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PACKAGED PUMP SETS

Duty/Standby – Duty/Assist Pump Sets

The local Davey agent is the Approved Assembler of Davey packaged pump sets. Davey packaged pump sets are 'made to order' and can be configured to meet the highest pumping standards with custom-made panels to meet all system control requirements. The Davey pump sets are ideally suited for residential water transfer and booster sets. Larger units are also available for high-rise buildings, commercial and agricultural applications.

- > Automatic 1 duty / 1 standby pump built to client specification
- > Automatic cyclic change-over to even out wear on pumps
- > Indicators include Power On, Run, Trip, Fuse Failure and Low Level lamps
- > Minimum run timer installed on all booster sets to limit the pumps from cycling
- > Copper/SS piping and galvanized base ensure good corrosion resistance
- > Provision for connecting dry running protection via a float switch
- > Automatic pump change-over on overload trip
- > Star Delta starter and door interlock isolators fitted to all panels for motors rated 3kW and above
- > Meets all the local electrical standards
- > Low voltage control circuit for ease of maintenance
- > Pump sets are fully assembled by authorized Davey agent in UAE and QA tested
- > Commissioning service offered free of charge for all pump sets
- > 12 month warranty included for pumps, panel and accessories
- > Stockist of spare parts for new and old models up to 7 years old
- > 3 year maintenance agreement available on request

For more information see the Commercial Pump Set section starting on page 56.



DAVEY

PRESSURE SYSTEMS

Pressure Systems
Pump Controls & Pressure Tanks
Rainwater Harvesting

AS/NZS 4020 CERTIFICATION

- > Davey's water pressure systems pumps (HP, HS, HM, XJ, XP & VM) including Torrium2 models have all been certified as AS/NZS 4020 compliant.
- > The AS/NZS 4020 Standard stipulates that products in contact with drinking water do not affect the taste or appearance of the water, do not support the growth of micro-organisms and do not release cytotoxic or mutagenic compounds or metals into the water.

Tested in compliance with

AS/NZS 4020 
for use in contact with safe drinking water

Pressure Systems



TORRIUM2 CONTROLLER

Torrium2 is an intelligent controller designed to supply pressure boosted water with constant flow and even water pressure to domestic households. It incorporates several levels of pump protection.

Tested in compliance with
AS/NZS 4020
 for use in contact with safe drinking water

Constant Flow and Even Water Pressure

To prevent annoying fluctuations in water temperature during showers, Torrium2 uses its intelligence to provide households with constant flow to give even water pressure.

PG - 1070

Quick Cut-in for Even Pressure

To give you strong pressure right from the start, Torrium2 is designed to cut in quickly when it senses demand for water. It cuts in when the pressure has dropped to 80% of the previous top (shut-off) pressure.

Greater Hydraulic Performance

For better hydraulic performance to supply more pressure with less wasted energy, Torrium2 has been designed with larger water pathways and no moving parts in the pathways. This performance versus loss equation is especially evident at higher flow rates.

Dry Run Protection

To protect the pump from damage due to dry running, Torrium2 stops the pump when it detects a loss of prime (no water supply) situation.

Auto Retry

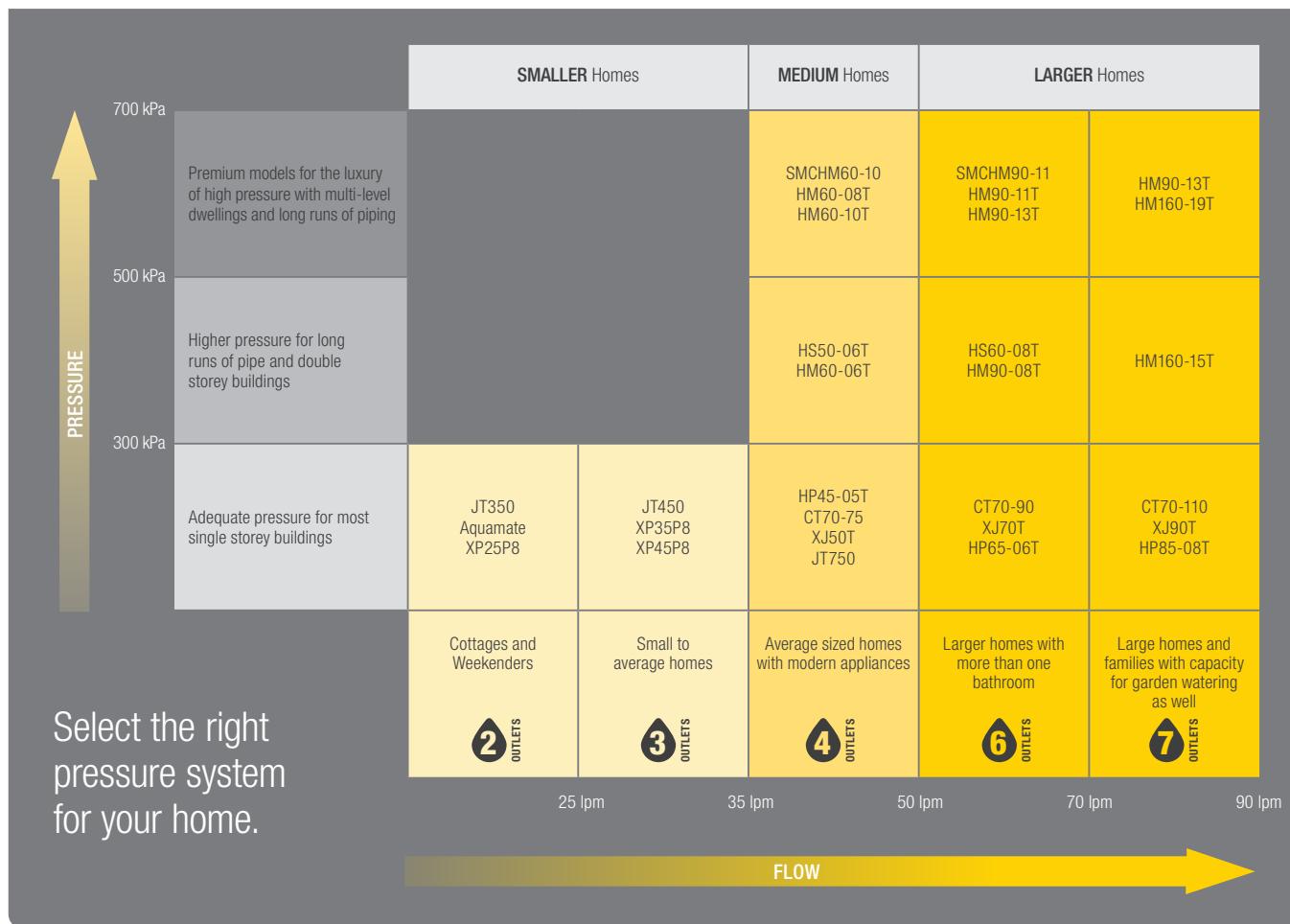
Auto-retry in Torrium2 allows the system to reset itself after a loss of prime, thus helping reduce system downtime.

Adaptive Starting

Torrium2 is clever enough to detect the difference between normal water demand and a small leak in the system, such as a dripping faucet or a leaking cistern. For very low flows, Torrium2 automatically adapts to reduce the cut-in pressure, which can be as low as 50% of its last shut-off pressure.

Torrium2 is available complete as part of a Davey Home Pressure System or can be purchased separately to upgrade an existing pump.

SELECT THE RIGHT TORRIUM2 HOME PRESSURE SYSTEM



PRESSURE SYSTEMS

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Variable Speed Systems



SPEEDMAN COMPACT WITH HM

- Variable speed constant pressure system incorporating horizontal multistage pump
- Energy saving and compact

May require pressure tank in certain applications

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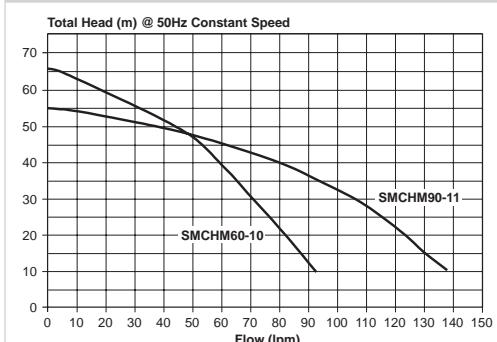
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for use in contact with safe drinking water

Part No.	Description	kW (P ₂)	Voltage	Inlet/Outlet	Max. Flow	Max. Pressure
SMCHM60-10	Speedman with HM60-10	0.94	240V	1 1/4"(F) / 1 1/4"(F)	90 lpm	650 kPa
SMCHM90-11	Speedman with HM90-11	1.05	240V	1 1/4"(F) / 1 1/4"(F)	130 lpm	550 kPa

SPECIFICATIONS

Part No.	Flow (lpm)	200kPa		400kPa		Part No.	Flow (lpm)	200kPa		400kPa	
		I (A)	P1 (kW)	I (A)	P1 (kW)			I (A)	P1 (kW)	I (A)	P1 (kW)
SMCHM60-10	20	2.73	0.37	4.5	0.65	SMCHM90-11	20	2.80	0.38	4.7	0.66
	50	4.64	0.66	7.0	1.04		50	3.86	0.54	6.5	0.96
	55	5.05	0.73	7.5	1.10		70	4.90	0.71	7.8	1.20
	60	5.50	0.80	8.0	1.20		90	6.30	0.93	—	—
	70	6.67	0.98	—	—		100	8.00	1.22	—	—
	80	7.80	1.20	—	—		—	—	—	—	—

HYDRAULIC PERFORMANCE





Torrium2 Controlled Systems

Davey HP & HS HOME PRESSURE SYSTEMS												
Part No.	Motor kW		Type of Controller	Pressure Tank	Normal Operating Pressure kPa psi	Suction Lift in metres/feet					Pressure Switch Settings kPa	Connection Size BSP inlet/outlet
	Input (P1)	Output (P2)				0 0	1 3.3	3 9.8	5 16.4	6 19.7		
HP45-05T CT70-75 Average sized homes with modern appliances	0.77 1.1	0.55 0.75	Torrium2 Torrium2	Not required Not required	200/29 200/29	63/831 100/1320	61/805 —	57/752 —	52/686 —	48/634 —	Adaptive Adaptive	1½" F / 1" M 1½" F / 1" M
HP65-06T CT70-90 For larger families and homes	0.90 1.3	0.60 0.90	Torrium2 Torrium2	Not required Not required	200/29 200/29	85/1122 138/1821	81/1069 —	75/990 —	66/871 —	62/818 —	Adaptive Adaptive	1½" F / 1" M 1½" F / 1" M
HP85-08T CT70-110 For larger single storey homes and farms	1.15 1.4	0.80 1.1	Torrium2 Torrium2	Not required Not required	200/29 200/29	125/1650 170/2244	121/1597 —	111/1465 —	98/1293 —	92/1214 —	Adaptive Adaptive	1½" F / 1" M 1½" F / 1" M
HS50-06T Average sized homes with two storeys or long runs of plumbing	0.89	0.60	Torrium2	Not required	290/42	48/634	46/647	42/554	39/515	37/488	Adaptive	1½" F / 1" M
HS60-08T Large double storey homes and garden watering	1.10	0.76	Torrium2	Not required	290/42	68/897	66/897	61/805	56/739	54/713	Adaptive	1½" F / 1" M

Part No.	Motor kW (P2)	Normal Operating Pressure kPa/psi	Suction Lift in metres/feet			Standard Adaptive Pressure Range (T models)	Pressure Settings (P models)	Inlet Size BSP(F)
			0 0	3 9.8	5 16.4			
			Output in litres/minute					
HM60-06T Average sized homes with modern appliances and double storeys	0.58	280	60	54	N/R	370-460 kPa	—	1¼"
HM60-08T Average sized homes with modern appliances and double storeys	0.72	360	58	52	N/R	450-570 kPa	—	1¼"
HM60-10T Multi level homes with modern appliances and long runs of piping	0.94	430	60	54	N/R	550-690 kPa	—	1¼"
HM90-08T Large multi storey dwellings, livestock, irrigation and commercial use	0.78	310	90	77	68	370-460 kPa	—	1¼"
HM90-11T Large two storey dwellings and garden water supply	1.05	420	86	75	66	460-580 kPa	—	1¼"
HM90-13T Large multi storey dwellings, livestock, irrigation and commercial use	1.40	480	87	79	72	550-690 kPa	—	1¼"
HM160-15T Farm and garden water supply, irrigation and commercial use	1.50	340	155	137	117	370-460 kPa	—	1½"
HM160-19T Farm and garden water supply etc., requiring higher pressure	1.80	400	158	144	130	480-600 kPa	—	1½"
HM270-19P Larger farm, irrigation and stock watering, caravan parks and small motels	1.90	250	260/	210	160	N/A	200-300 kPa	2"
HM270-25P Larger farm, irrigation and stock watering, caravan parks and small motels	2.50	340	263	225	197	N/A	250-400 kPa	2"

All T models have 1" BSP(M) discharges. All P models have 1" BSP(F) discharges, except HM270-19P & HM270-25P which have 1½" BSP(F) discharges.

Part No.	Motor kW		Type of Controller	Pressure Tank	Normal Operating Pressure kPa psi	Suction Lift in metres/feet					Pressure Switch Settings kPa	Connection Size BSP inlet/outlet
	Input (P1)	Output (P2)				0 0	1 3.3	3 9.8	5 16.4	6 19.7		
	Output in litres/minute					Output in litres/minute					Output in litres/minute	
XP25P8 JT350 Cottages & weekenders	0.54 0.52	0.20 0.37	Pressure Switch Torrium2	Top mounted 8 litre Not required	140/20 200/29	25 26	24 —	18 —	15 —	13 —	140-280 Adaptive	1" F / 1" M 1" F / 1" M
JT450 XP35P8 XP45P8 Small to average homes	0.68 0.62 0.62	0.49 0.45 0.45	Torrium2 Pressure Switch Pressure Switch	Not required Top mounted 8 litre Top mounted 8 litre	200/29 140/20 140/20	35 35 50	— 33 46	— 30 35	— 24 30	— 22 25	Adaptive 140-280 Adaptive	1" F / 1" M 1" F / 1" F 1" F / 1" F
Dynajet XJ50T Dynajet X50 Dynajet XJ50P JT50 Average sized homes with modern appliances	0.84 0.84 0.84 0.68	0.58 0.58 0.58 0.49	Torrium2 Pressure Switch Pressure Switch Torrium2	Not required Base mounted 35 litre Purchase separately Not required	180/26 180/26 180/26 180/26	45 45 45 50	43 43 43 —	36 36 36 —	30 30 30 —	27 27 27 —	Adaptive 180-390 180-390 Adaptive	1" F / 1" M 1" F / 1" F 1" F / 1" F 1" F / 1" M
Dynajet XJ70T Dynajet X70 Dynajet XJ70P JT70 For larger families and two storey homes	1.15 1.15 1.15	0.80 0.80 0.80	Torrium2 Pressure Switch Pressure Switch	Not required Base mounted 35 litre Purchase separately	210/30 210/30 210/30	66 66 66	62 62 62	57 57 57	45 45 45	40 40 40	Adaptive 210-420 210-420	1" F / 1" M 1½" F / 1" F 1½" F / 1" F
Dynajet XJ90T Dynajet X90 Dynajet XJ90P JT90 For large double storey homes and farms	1.40 1.40 1.40	1.10 1.10 1.10	Torrium2 Pressure Switch Pressure Switch	Not required Base mounted 35 litre Purchase separately	210/30 210/30 210/30	92 92 92	90 90 90	82 82 82	68 68 68	58 58 58	Adaptive 210-350 210-350	1½" F / 1" M 1½" F / 1" F 1½" F / 1" F



DAVEY HM WITH TORRIUM2

- All stainless steel pump and hydraulic components
- Suits high water temperatures
- High pressure applications
- Air purging valve for faster priming

Refer to bottom of page for Hydraulic Performance

PG - 1005

Tested in compliance with
AS/NZS 4020
 for use in contact with safe drinking water

Part No.	kW (P ₂)	Inlet/Outlet	Maximum Flow	Maximum Pressure	Torrium2
HM60-06T	0.58	1 ¹ / ₄ "(F) / 1"(M)	60 lpm	460 kPa	TT45
HM60-08T	0.72	1 ¹ / ₄ "(F) / 1"(M)	80 lpm	575 kPa	TT70
HM60-10T	0.94	1 ¹ / ₄ "(F) / 1"(M)	60 lpm	690 kPa	TT70
HM90-08T	0.78	1 ¹ / ₄ "(F) / 1"(M)	90 lpm	460 kPa	TT45
HM90-11T	1.05	1 ¹ / ₄ "(F) / 1"(M)	120 lpm	585 kPa	TT70
HM90-13T	1.40	1 ¹ / ₄ "(F) / 1"(M)	90 lpm	680 kPa	TT70
HM160-15T	1.50	1 ¹ / ₂ "(F) / 1"(M)	250 lpm	460 kPa	TT45
HM160-19T	1.80	1 ¹ / ₂ "(F) / 1"(M)	250 lpm	600 kPa	TT70



DAVEY HS WITH TORRIUM2

- Low power consumption, quiet and compact
- Four stage centrifugal pump for high pressure domestic applications
- Ideal for medium to large size single and multi-storey homes

Refer to bottom of page for Hydraulic Performance

PG - 1001

Tested in compliance with
AS/NZS 4020
 for use in contact with safe drinking water

Part No.	kW (P ₂)	Inlet/Outlet	Maximum Flow	Maximum Pressure	Torrium2
HS50-06T	0.60	1 ¹ / ₄ "(F) / 1"(M)	80 lpm	470 kPa	TT70
HS60-08T	0.76	1 ¹ / ₄ "(F) / 1"(M)	110 lpm	490 kPa	TT70



DAVEY HP WITH TORRIUM2

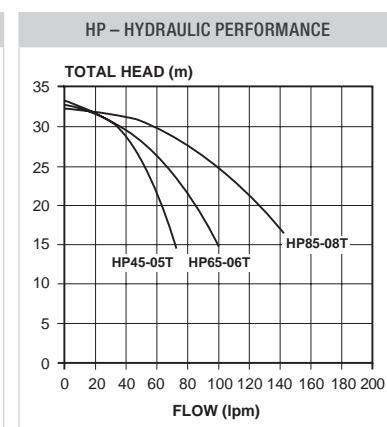
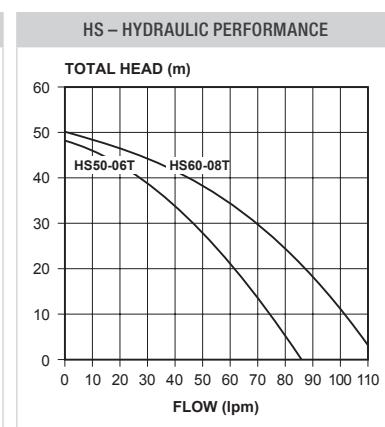
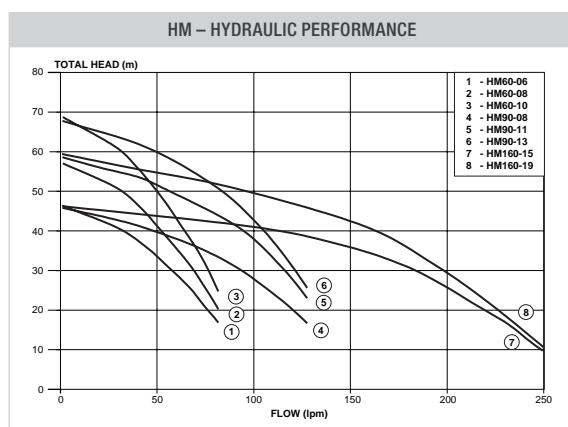
- Robust and compact
- Whisper quiet operation
- Strong even pressure for medium to large single storey homes

Refer to bottom of page for Hydraulic Performance

PG - 1001

Tested in compliance with
AS/NZS 4020
 for use in contact with safe drinking water

Part No.	kW (P ₂)	Inlet/Outlet	Maximum Flow	Maximum Pressure	Torrium2
HP45-05T	0.55	1 ¹ / ₄ "(F) / 1"(M)	70 lpm	330 kPa	TT45
HP65-06T	0.60	1 ¹ / ₄ "(F) / 1"(M)	100 lpm	330 kPa	TT45
HP85-08T	0.80	1 ¹ / ₄ "(F) / 1"(M)	140 lpm	330 kPa	TT45



Torrium2 Controlled Systems



DAVEY CT WITH TORRIUM2

- > Robust and compact, single stage all stainless steel pumps
- > Whisper quiet operation
- > Strong even pressure for medium to large single or multi-storey homes

Refer to bottom of page for Hydraulic Performance

PG - 1001

Tested in compliance with
AS/NZS 4020 for use in contact with safe drinking water

Part No.	kW (P ₂)	Inlet/Outlet	Maximum Flow	Maximum Pressure	Torrium2
CT70-75	0.75	1 ¹ / ₄ "(F) / 1"(M)	150 lpm	264 kPa	TT45
CT70-90	0.90	1 ¹ / ₄ "(F) / 1"(M)	200 lpm	294 kPa	TT45
CT70-110	1.10	1 ¹ / ₄ "(F) / 1"(M)	215 lpm	353 kPa	TT45



DAVEY JT WITH TORRIUM2

- > Robust and compact, single stage jet assisted pump
- > Designed for small to medium size, single and multi-storey homes
- > Stainless steel casing, shaft and impeller
- > 220V / 50Hz / Single phase

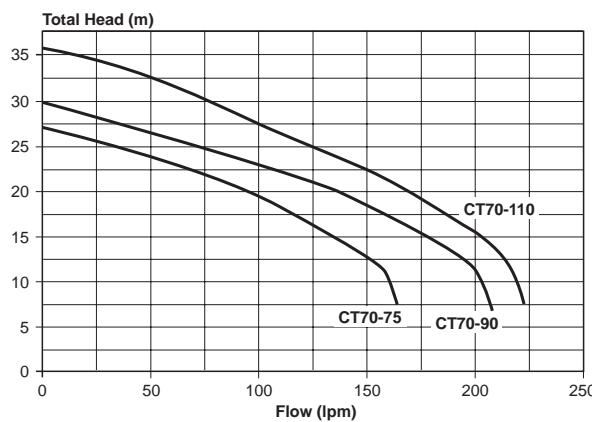
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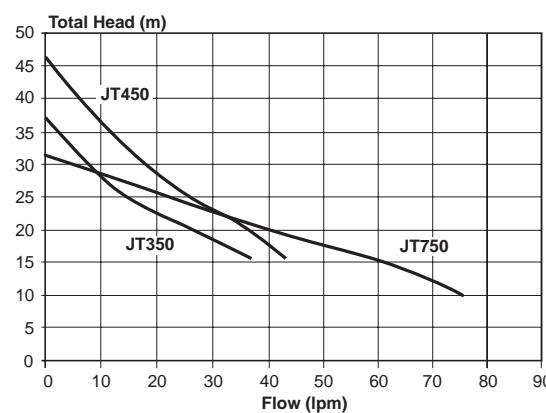
Tested in compliance with
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Part No.	kW (P ₂)	Inlet/Outlet	Max. Flow	Max. Pressure	Torrium2
JT350	0.37	1"(F) / 1"(M)	37 lpm	370 kPa	TT45
JT450	0.49	1"(F) / 1"(M)	43 lpm	460 kPa	TT45
JT750	0.49	1"(F) / 1"(M)	67 lpm	310 kPa	TT45

CT – HYDRAULIC PERFORMANCE



JT – HYDRAULIC PERFORMANCE



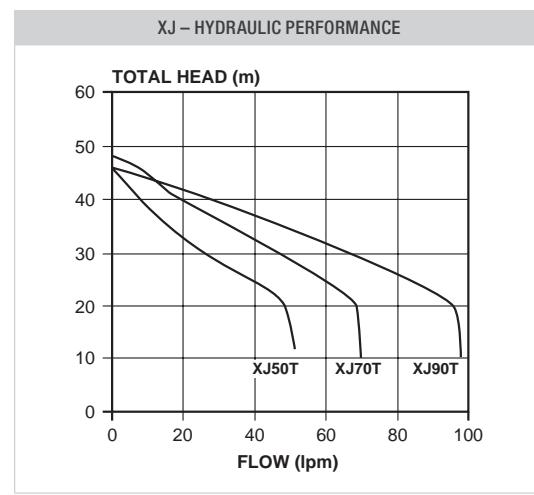
Tested in compliance with
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DAVEY XJ WITH TORRIUM2

- > Legendary Dynajet, single stage jet assisted pump
- > Designed for medium to large size, single and multi-storey homes
- > Suitable for use on a variety of water qualities

PG - 1001

Part No.	kW (P ₂)	Inlet/Outlet	Maximum Flow	Maximum Pressure	Torrium2
XJ50T	0.56	1"(F) / 1"(M)	50 lpm	450 kPa	TT45
XJ70T	0.80	1"(F) / 1"(M)	70 lpm	480 kPa	TT70
XJ90T	1.10	1 ¹ / ₄ "(F) / 1"(M)	90 lpm	450 kPa	TT45



Transfer & Jet Assisted Pumps

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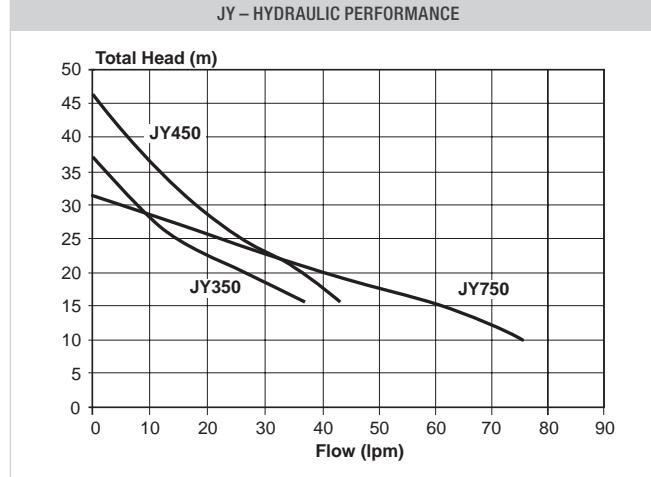


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 for use in contact with safe drinking water

DAVEY JY JET ASSISTED PUMP

- > Robust, compact stainless steel casing, shaft and impeller
- > Designed for small size homes

Part No.	kW (P ₂)	Inlet/Outlet	Max. Flow	Max. Pressure
JY350	0.37	1"(F) / 1"(M)	37 lpm	370 kPa
JY450	0.49	1"(F) / 1"(M)	43 lpm	460 kPa
JY750	0.49	1"(F) / 1"(M)	67 lpm	310 kPa

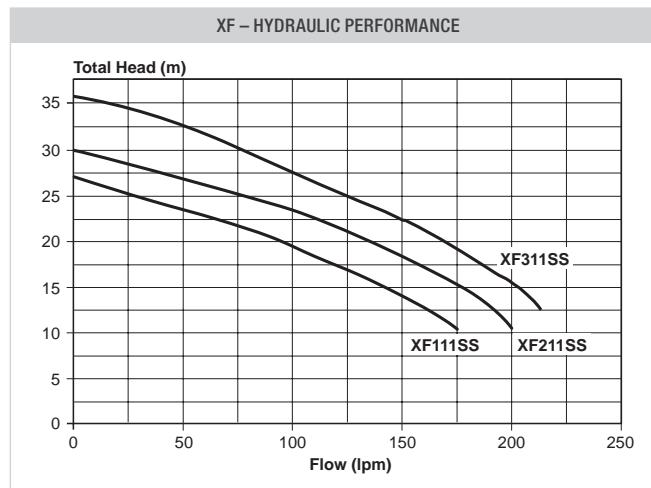


Tested in compliance with
AS/NZS 4020
 for use in contact with safe drinking water

DAVEY XF TRANSFER PUMP

- > Robust and compact, single stage all stainless steel pump
- > Designed for medium to large size, single and multi-storey homes
- > High flow

Part No.	kW (P ₂)	Voltage	Inlet/Outlet	Max. Flow	Max. Pressure
XF111SS	0.75	220/240	1 1/4" / 1"	150 lpm	270 kPa
XF211SS	0.90	220/240	1 1/4" / 1"	200 lpm	300 kPa
XF311SS	1.10	220/240	1 1/4" / 1"	215 lpm	360 kPa



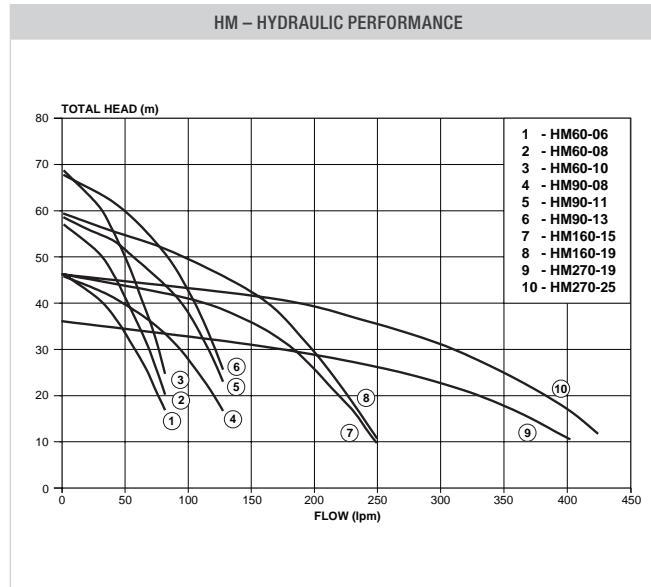
HM SERIES (PUMP ONLY)

- > Suitable for large flows and high pressure applications up to 425 lpm and 650 kPa pressure
- > Compact, all stainless steel pump and hydraulic components, also suited to high water temperatures
- > Also available with Torrium control, ready to go – refer page 7

Part No.	kW (P ₂)	Inlet	Outlet
HM60-06	0.58	1 1/4"	1"
HM60-08	0.72	1 1/4"	1"
HM60-10	0.94	1 1/4"	1"
HM90-08	0.78	1 1/4"	1"
HM90-11	1.05	1 1/4"	1"
HM90-13	1.4	1 1/4"	1"
HM160-15	1.5	1 1/2"	1 1/4"
HM160-19	1.8	1 1/2"	1 1/4"
HM270-19	1.9	2"	1 1/2"
HM270-25	2.5	2"	1 1/2"
Three Phase			
HM160-15/3	1.5	1 1/2"	1 1/4"
HM160-19/3	1.8	1 1/2"	1 1/4"
HM270-19/3	1.9	2"	1 1/2"
HM270-25/3	2.5	2"	1 1/2"

PG - 1020

Tested in compliance with
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 for use in contact with safe drinking water



Pressure Switch Controlled Systems



XP WITH PRESSURE SWITCH

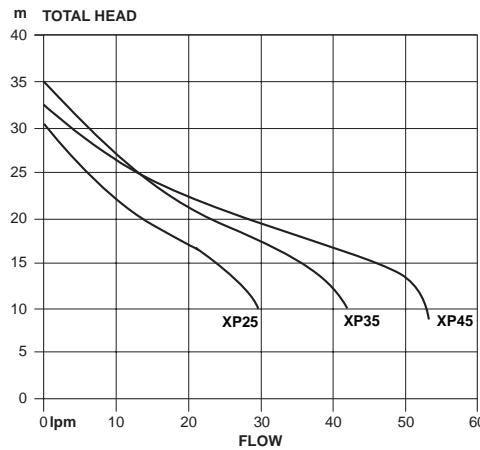
PG - 1001

- > Economical and compact
- > Pressure switch controlled including pressure tank as standard
- > Ideal for small domestic water applications
- > Adjustable spring loaded pressure switch for automatic control of water pressure systems.

Tested in compliance with
AS/NZS 4020 for use in contact with safe drinking water

Part No.	kW (P ₂)	Inlet/Outlet	Maximum Flow	Maximum Pressure
XP25P8	0.33	1"(F) / 1"(F)	25 lpm	310 kPa
XP35P8	0.45	1"(F) / 1"(F)	35 lpm	350 kPa
XP45P8	0.45	1"(F) / 1"(F)	45 lpm	320 kPa

XP – HYDRAULIC PERFORMANCE



AQUAMATE

PG - 1001

- > Economical and compact with an inbuilt pressure accumulator
- > Ideal for small pressure boosting applications

Tested in compliance with
AS/NZS 4020 for use in contact with safe drinking water

Part No.	Description	kW (P ₂)	Inlet/Outlet	Maximum Flow	Maximum Pressure
72111	Aquamate	0.2	1"(F) / 1"(M)	25 lpm	310 kPa



DAVEY HM WITH PRESSURE SWITCH

PG - 1005

- > All stainless steel pump and hydraulic components
- > Suits high water temperatures and high pressure applications
- > Consult Davey for correct pressure tank sizing for these models

Tested in compliance with
AS/NZS 4020 for use in contact with safe drinking water

Model No.	Description	kW (P ₂)	Inlet/Outlet	Maximum Flow	Maximum Pressure
HM270-19P	HM270-19 with pressure switch	1.90	2"(F) / 1½"(F)	270 lpm	360 kPa
HM270-25P	HM270-25 with pressure switch	2.50	2"(F) / 1½"(F)	270 lpm	460 kPa

Pressure Switch Controlled Systems



PG - 1001



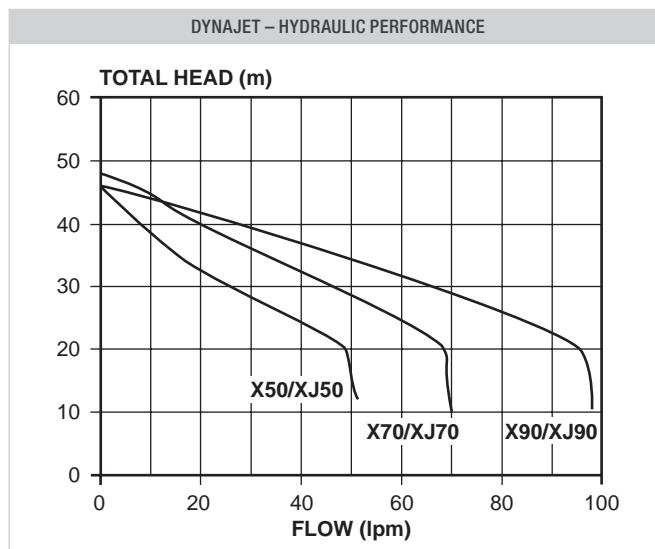
DYNAJET

- > Ideal for average to large sized, single and double storey homes
- > Pressure switch operated with various tank options available
- > Great for domestic irrigation applications

Tested in compliance with
AS/NZS 4020 for use in contact with safe drinking water

Part No.	Description	KW (P ₂)	Inlet/Outlet	Max. Flow	Max. Pressure
XJ50P	Dynajet XJ50P pump only	0.58	1"(F) / 1"(F)	50 lpm	460 kPa
XJ50P8	Dynajet XJ50P with 8P tank	0.58	1"(F) / 1"(F)	50 lpm	460 kPa
XJ50P18	Dynajet XJ50P with 18P tank	0.58	1"(F) / 1"(F)	50 lpm	460 kPa
XJ70P	Dynajet XJ70P pump only	0.80	1 ¹ / ₄ "(F) / 1"(F)	70 lpm	480 kPa
XJ70P8	Dynajet XJ70P with 8P tank	0.80	1 ¹ / ₄ "(F) / 1"(F)	70 lpm	480 kPa
XJ70P18	Dynajet XJ70P with 18P tank	0.80	1 ¹ / ₄ "(F) / 1"(F)	70 lpm	480 kPa
XJ90P	Dynajet XJ90P pump only	1.10	1 ¹ / ₄ "(F) / 1"(F)	90 lpm	460 kPa
XJ90P18	Dynajet XJ90P with 18P tank	1.10	1 ¹ / ₄ "(F) / 1"(F)	90 lpm	460 kPa
X50	Dynajet X50 with base mounted 40P tank	0.58	1"(F) / 1"(F)	50 lpm	460 kPa
X70	Dynajet X70 with base mounted 40P tank	0.80	1 ¹ / ₄ "(F) / 1"(F)	70 lpm	480 kPa
X90	Dynajet X90 with base mounted 40P tank	1.10	1 ¹ / ₄ "(F) / 1"(F)	90 lpm	460 kPa

Note: XJ pressure switch range not pictured





Pressure Tanks & Accessories



SUPERCELL STEEL TANKS WITH CAPTIVE DIAPHRAGMS

PG - 1060

- Supercell steel shell tanks include the latest internal designs for long tank life
- P and G model Supercells have FDA approved captive diaphragms with virgin polypropylene wetted area liners and patented stainless steel water inlets
- The exterior is finished in high quality polyurethane over an epoxy undercoat for years of reliable life
- The larger capacity G model Supercells also feature a patented controlled action diaphragm assembly which provides a separation between diaphragm and tank walls, thus extending tank service life
- HP models for higher pressure applications

Part No.	Description	Capacity (litres)	Nominal Draw-off (litres)	Maximum Pressure	Mounting Type	Inlet
24008P	Supercell 8P	8	3	1000 kPa	pipe	1"(M)
24018P	Supercell 18P	18	6.7	1000 kPa	pipe	1"(M)
24040P	Supercell 40P	40	14.1	1000 kPa	pipe	1"(M)
24060P	Supercell 60P	60	21.2	1000 kPa	free standing	1"(F)
24100P	Supercell 100P	100	37.5	1000 kPa	free standing	1"(F)
24200G	Supercell 200G	200	75	1000 kPa	free standing	1 1/4"(F)
24018PHP16	Supercell 18PHP16	18	6.7	1600 kPa	pipe	1"(M)
24080PHP16	Supercell 80PHP16	80	28.2	1600 kPa	free standing	1"(F)
24024HP25	Supercell 24HP25	24	9	2500 kPa	pipe	1" (M)
24100HP25	Supercell 100HP25	100	37.5	2500 kPa	free standing	1" (M)



SUPERCELL COMPOSITE TANKS WITH CAPTIVE DIAPHRAGMS

PG - 1060

- Outstanding durability against harsh environmental conditions
- A real alternative for coastal or high humidity locations

Part No.	Description	Capacity (litres)	Nominal Draw-off (litres)	Maximum Pressure	Mounting Type	Inlet
24060F	Supercell 60F	60	21.2	860 kPa	free standing	1" (M)
24080F	Supercell 80F	80	28.2	860 kPa	free standing	1" (M)
24100F	Supercell 100F	100	34.5	860 kPa	free standing	1" (M)
24130F	Supercell 130F	130	45.8	860 kPa	free standing	1" (M)
24200F	Supercell 200F	200	70.5	860 kPa	free standing	1 1/4" (M)
24250F	Supercell 250F	250	88.1	860 kPa	free standing	1 1/4" (M)



TANK ACCESSORIES

PG - 1060

Part No.	Description
Tank Connection Kit - Max. Working Pressure 1600 kPa	
21530	700mm hose with 2 x 1" nut & tail, 1 x 1 1/4" nut & tail & hose clips
Stainless Steel Braided Hoses - Max. Working Pressure 900 kPa	
A70MFC-BSP	700mm M/F Flex Connector 1" BSP
A70MFEC-BSP	700mm M/F Flex Elbow Connector 1" BSP
A100MFEC-BSP	1000mm M/F Flex Elbow Connector 1" BSP

PUMP CONTROLS & PRESSURE TANKS

Pressure Tanks & Accessories
Pump Controls

12
13-14



Pump Controls



TORRIUM2 CONTROLLER

PG - 1070

Part No.	Factory Set to Suit
TT45	HP45-05, HP65-06, HP85-08, HM60-06, HM90-08, HM160-15, XP450, XJ50, XJ90, JY350, JY450, JY750, CY70-75, CY70-90, CY70-110
TT70	HS50-06, HS60-08, HM60-08, HM60-10, HM90-11, HM90-13, HM 160-19, XJ70, 095S, 125S, 165S



PRESSURE CONTROLLERS

PG - 1070

Part No.	Factory Set to Suit
PC15XJ	XJ50, XJ70, 350PC
PCSJ15	HP45-05, HP65-06, JY350, JY450, JY750
PCSJ22	HS50-06, HS60-08
MPST15	JY350, JY450, JY750

LOSS OF PRIME PRESSURE SWITCHES

PG - 4010

Part No.	Factory Set to Suit
31982SP	Aquamate & XP350P, XP25P8
31981SP	XJ50P & XJ70P
49620SP	SJ35-04P
40135	Set 207-345kPa (range 138-552kPa)



Pump Controls

PG - 4010

STANDARD PRESSURE SWITCHES

Part No.	Factory Set to Suit
32283SP	HM60-06P, HM90-08P
32285SP	HM60-08P, HM90-11P
32286SP	HM60-10P
32287SP	HM90-13P
32288SP	HM270-25P
31300SP	Aquamate, XP25P2, XP25P8
31330SP	XP35P, XP35P8
31302SP	XJ50P
31303SP	XJ70P
31321SP	XJ90P
31316SP	Dynajet 53 Series
41445	Medium Pressure (diff 138-276 kPa, cut out up to 517 kPa)
41446	High Pressure (diff 650-862 kPa, cut out up to 1034 kPa)

PG - 1070

THREE PHASE PRESSURE SWITCH KITS

These kits include inlet checkvalve, discharge tee, pressure gauge, fittings and installation & operating instructions.
The correctly selected kit will allow for conversion of a three phase HM pump into an automatic pressure switch controlled pressure system, connected via a magnetic contactor with M10 or "quick trip" overloads, purchased separately. Davey CB boxes are ideal for this purpose.

Part No.	Description	Suits Pump Discharge
32345	Kit, Pressure Switch, HM60/90 3ph	1" BSP (M)
32346	Kit, Pressure Switch, HM160 3ph	1¼" BSP (M)

PG - 2035

KELCO

Part No.	Description
F25-B	Flow switch, 40W, 1A

PG - 2035

FLOAT SWITCH

Part No.	Description
FS750-10	Float switch - 10 metre PVC lead

PG - 4010

DAVEY PRESSURE GAUGE

Part No.	Description
49092	Oil filled , 0-1000kPa

DAVEY

FARM & IRRIGATION

Washdown & Small Irrigation
Electric Transfer Pumps
High Performance Engine Driven
Shallow & Deep Well Pumps
Effluent Pumps



WASHDOWN & SMALL IRRIGATION PUMPS

Dynaflo 6000 Series

16

Washdown & Small Irrigation Pumps

Designed for medium flow applications, Davey Dynaflo pumps are ideal for applications such as dairy washdown, spearpoints, small irrigation systems and general water transfer.



DYNAFLO 6000 SERIES

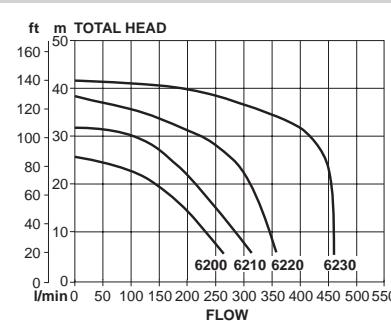
- > Rugged economical single stage centrifugal pumps
- > The robust motor and pump design can handle frequent starts for a long and reliable service life
- > Designed for water transfer and supply, tank filling, garden reticulation and washdown applications
- > 240/480 models supplied with a 15amp plug
- > Stainless steel = SS316

Part No.	Description	Casing	Product Group	kW (P ₂)	Voltage	Inlet/Outlet	Max. Flow	Max. Pressure
62001	Dynaflo 6200	Noryl	1033	1.0	220/250	1½" / 1¼"	270 lpm	250 kPa
62101	Dynaflo 6210	Noryl	1033	1.6	220/250	1½" / 1¼"	315 lpm	310 kPa
62103	Dynaflo 6210	Noryl	1033	1.6	415*	1½" / 1¼"	315 lpm	310 kPa
62201	Dynaflo 6220	Cast Iron	1034	2.2	240/480	2" / 1½"	360 lpm	380 kPa
62203	Dynaflo 6220	Cast Iron	1034	2.2	415*	2" / 1½"	360 lpm	380 kPa
62303	Dynaflo 6230	Cast Iron	1034	3.2	415*	2" / 1½"	460 lpm	410 kPa
62201SS	Dynaflo 6220 316SS**	Cast 316SS	1034	2.2	240/480	2" / 1½"	360 lpm	380 kPa
62203SS	Dynaflo 6220 316SS**	Cast 316SS	1034	2.2	415*	2" / 1½"	360 lpm	380 kPa
62303SS	Dynaflo 6230 316SS**	Cast 316SS	1034	3.2	415*	2" / 1½"	460 lpm	410 kPa

* All 415V models must be wired in with a contactor incorporating quick trip (M10 rated) thermal overload

**Seawater compatible

DYNAFLO HYDRAULIC PERFORMANCE



DYNAFLO PERFORMANCE

Model	Motor (kW) Input (P1)	Output (P2)	Head (m)	Max	Total Head metres/feet												Connection Inlet/Outlet
				5	16.4	10	32.8	15	49.2	20	65.6	25	82.0	30	98.4	35	114.3
				Capacity in litres/minute													
6200	1.57	1.0	25.5	269	233	193	142	24	-	-	-	-	-	-	-	-	1½" F / 1¼" F
6210	2.1	1.6	31.6	314	283	248	212	167	100	-	-	-	-	-	-	-	1½" F / 1¼" F
6220	3.2	2.2	38.7	356	344	327	309	280	212	115	-	-	-	-	-	-	2" F / 1½" F
6230	3.7	3.2	41.2	457	457	457	454	442	407	323	176	-	-	-	-	-	2" F / 1½" F



ELECTRIC TRANSFER PUMPS

Electric Transfer Pumps

17-20

Electric Transfer Pumps



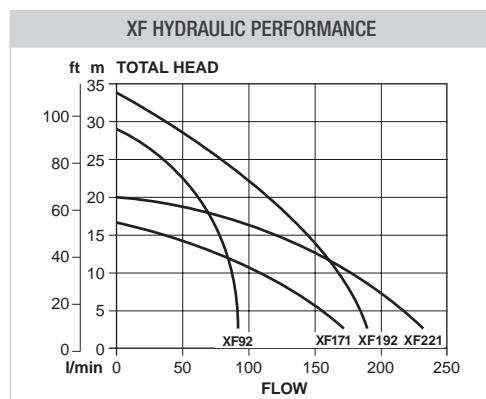
XF SERIES ELECTRIC PUMPS

PG - 1032

- > Single and two stage centrifugal pumps made from corrosion resistant components
- > Ideal for pumping clean, non-volatile liquids without fibres or solids
- > Applications include irrigation, aquaculture, hydroponics, water transfer and washdown

Part No.	Description	kW (P ₂)	Voltage	Inlet/Outlet	Max. Flow	Max. Pressure
71101	XF171	0.53	220/250	1" F / 1" M	175 lpm	170 kPa
71201	XF221	0.70	220/250	1" F / 1" M	225 lpm	200 kPa
71401	XF92	0.58	220/250	1" F / 1" F	98 lpm	280 kPa
71301	XF192	0.80	220/250	1" F / 1" F	190 lpm	330 kPa
71101S	XF171S - includes silicone carbide seal	0.53	220/250	1" F / 1" M	175 lpm	170 kPa
71101D	XF171D* Dog Spa Pump	0.53	220/250	1" F / 1" M	175 lpm	170 kPa
71301S	XF192S - includes silicone carbide seal and 316SS pump casing	0.80	220/250	1" F / 1" F	190 lpm	330 kPa

*Pump designed for pumping aromatic hydrocarbons in suspension



Model	Total Head metres/feet													Connection Inlet/Outlet BSP
	Motor (kW)		Head (m)	Total	3	10	6	20	9	30	12	39	15	
	Input (P1)	Output (P2)												
XF171	0.78	0.53	16	175	150	120	90	35						1" F / 1" M
XF221	1.05	0.70	20	225	203	177	150	118	72					1" F / 1" M
XF92	0.84	0.58	28	93	90	87	83	75	64	50	32	12		1" F / 1" F
XF192	1.15	0.80	33	194	181	170	150	139	123	106	87	66	33	1" F / 1" F

Electric Transfer Pumps

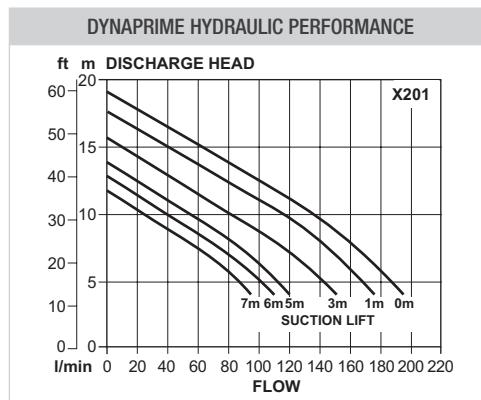


DYNAPRIME

- > Economical and compact single stage, self priming, open impeller pump
- > Suitable for pumping clean or grey water with some small fibres or soft solids
- > Applications include water supply and transfer and emptying of water tanks or septic systems

PG - 1032

Part No.	Description	kW (P ₂)	Voltage	Inlet/Outlet	Max. Flow	Max. Pressure
74101	Dynaprime X201	0.63	220/250	1½" / 1½"	195 lpm	180 kPa



Model	Motor (kW)		Head (m)	Total Head metres/feet												Connection Inlet/Outlet								
	Input (P1)	Output (P2)		3	10	6	20	9	30	12	39	15	49	18	59	21	69	24	79	27	89	30	99	
				Capacity in litres/minute																				
X201	0.92	0.63	19	200	188	147	107	62	17														1½" F/1½" F	

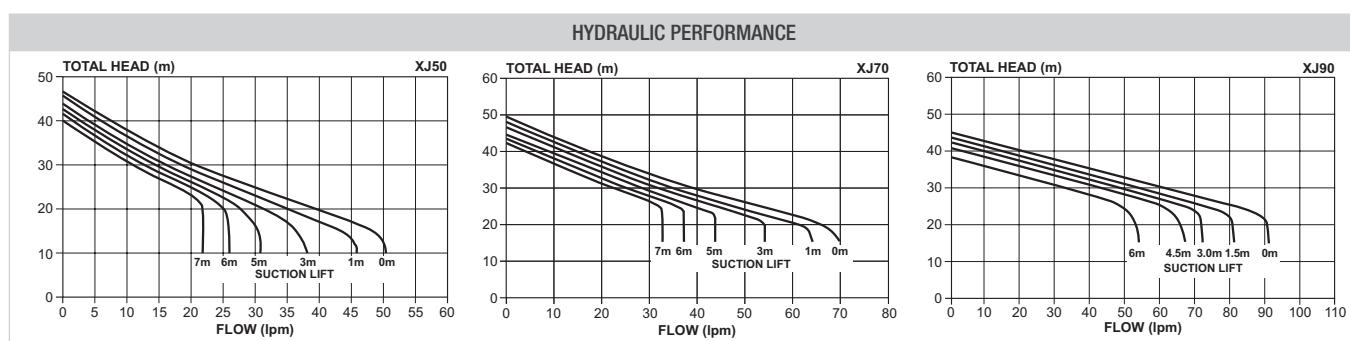


DYNAJET PUMPS

- > Economical and compact 50, 70 and 90 lpm pumps
- > Single stage, jet assisted centrifugal pumps
- > Ideal for domestic irrigation from shallow wells or sand spears, water transfer, pressure boosting
- > Easily convertible to a pressure system using Davey Torrium or pressure switch control – refer page 13.

Tested in compliance with
AS/NZS 4020 for use in contact with safe drinking water

Model No.	Description	kW (P ₂)	Voltage	Inlet/Outlet	Max. Flow	Max. Pressure
XJ50	Dynajet XJ50	0.58	220/250	1" / 1"	50 lpm	460 kPa
XJ70	Dynajet XJ70	0.80	220/250	1" / 1"	70 lpm	480 kPa
XJ90	Dynajet XJ90	1.10	220/250	1½" / 1"	90 lpm	460 kPa



Electric Transfer Pumps



PG - 1020



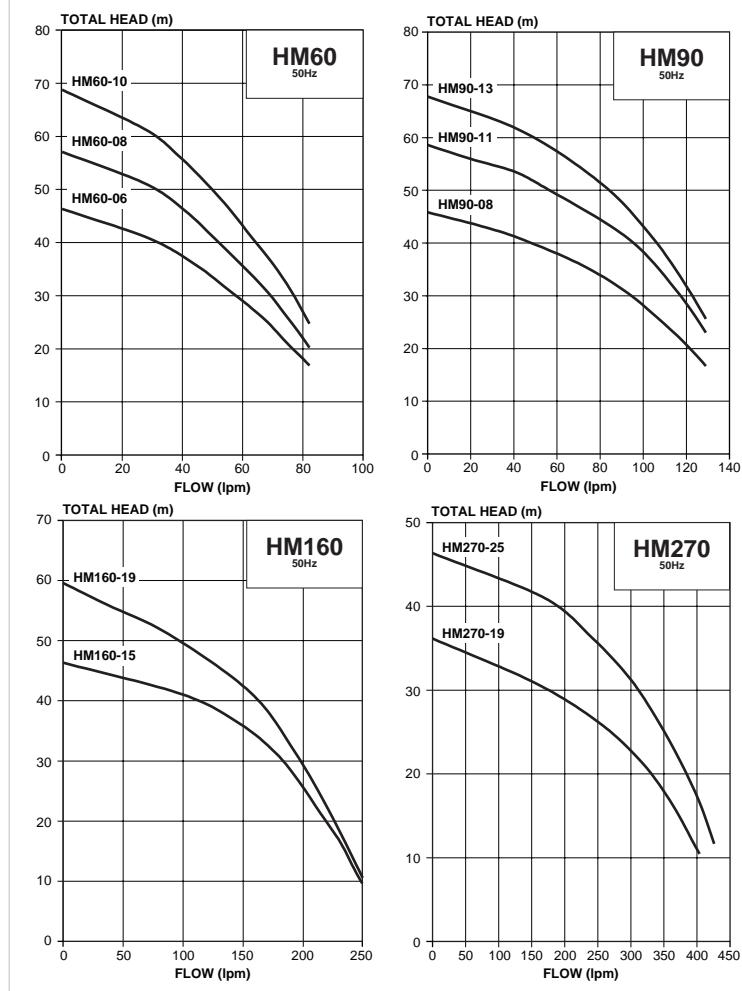
HM SERIES

- > Suitable for large flows and high pressure applications up to 425 lpm and 650 kPa pressure
- > Compact, all stainless steel pump and hydraulic components, also suited to high water temperatures
- > Easily convertible to a pressure system using Davey Torrium or pressure switch control – refer page 13.

Tested in compliance with
AS/NZS 4020
 for use in contact with safe drinking water

Model No.	kW (P ₂)	Inlet	Outlet
HM60-06	0.58	1 1/4"	1"
HM60-08	0.72	1 1/4"	1"
HM60-10	0.94	1 1/4"	1"
HM90-08	0.78	1 1/4"	1"
HM90-11	1.05	1 1/4"	1"
HM90-13	1.4	1 1/4"	1"
HM160-15	1.5	1 1/2"	1 1/4"
HM160-19	1.8	1 1/2"	1 1/4"
HM270-19	1.9	2"	1 1/2"
HM270-25	2.5	2"	1 1/2"
Three Phase			
HM160-15/3	1.5	1 1/2"	1 1/4"
HM160-19/3	1.8	1 1/2"	1 1/4"
HM270-19/3	1.9	2"	1 1/2"
HM270-25/3	2.5	2"	1 1/2"

HYDRAULIC PERFORMANCE



Electric Transfer Pumps



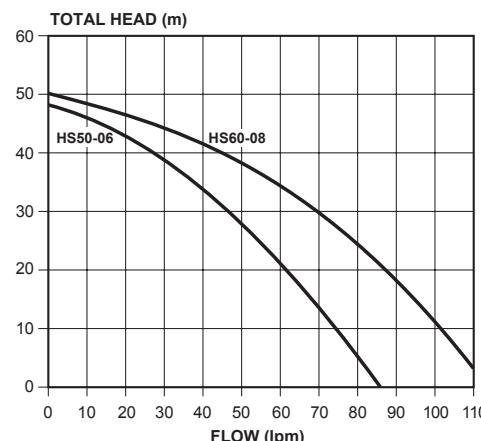
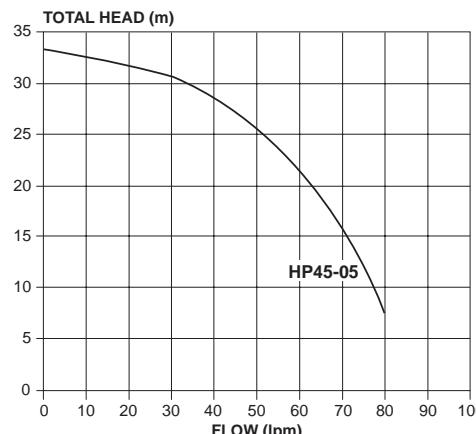
HP AND HS SERIES

- > Robust multistage centrifugal pumps for pressure boosting and water transfer in domestic applications
- > Offer excellent corrosion resistance with their 304SS pump shaft and casing
- > The range offers flows up to 110 lpm and 500 kPa of pressure

Tested in compliance with
AS/NZS 4020 for use in contact with safe drinking water

Part No.	Description	kW (P ₂)	Voltage	Inlet	Outlet	Product Group
HP45-05	Manual HP45-05 Pump	0.55	220/240	1 1/4" F	1" M	1104
HS50-06	Manual HS50-06 Pump	0.60	220/240	1 1/4" F	1" M	1104
HS60-08	Manual HS60-08 Pump	0.76	220/240	1 1/4" F	1" M	1020

HYDRAULIC PERFORMANCE



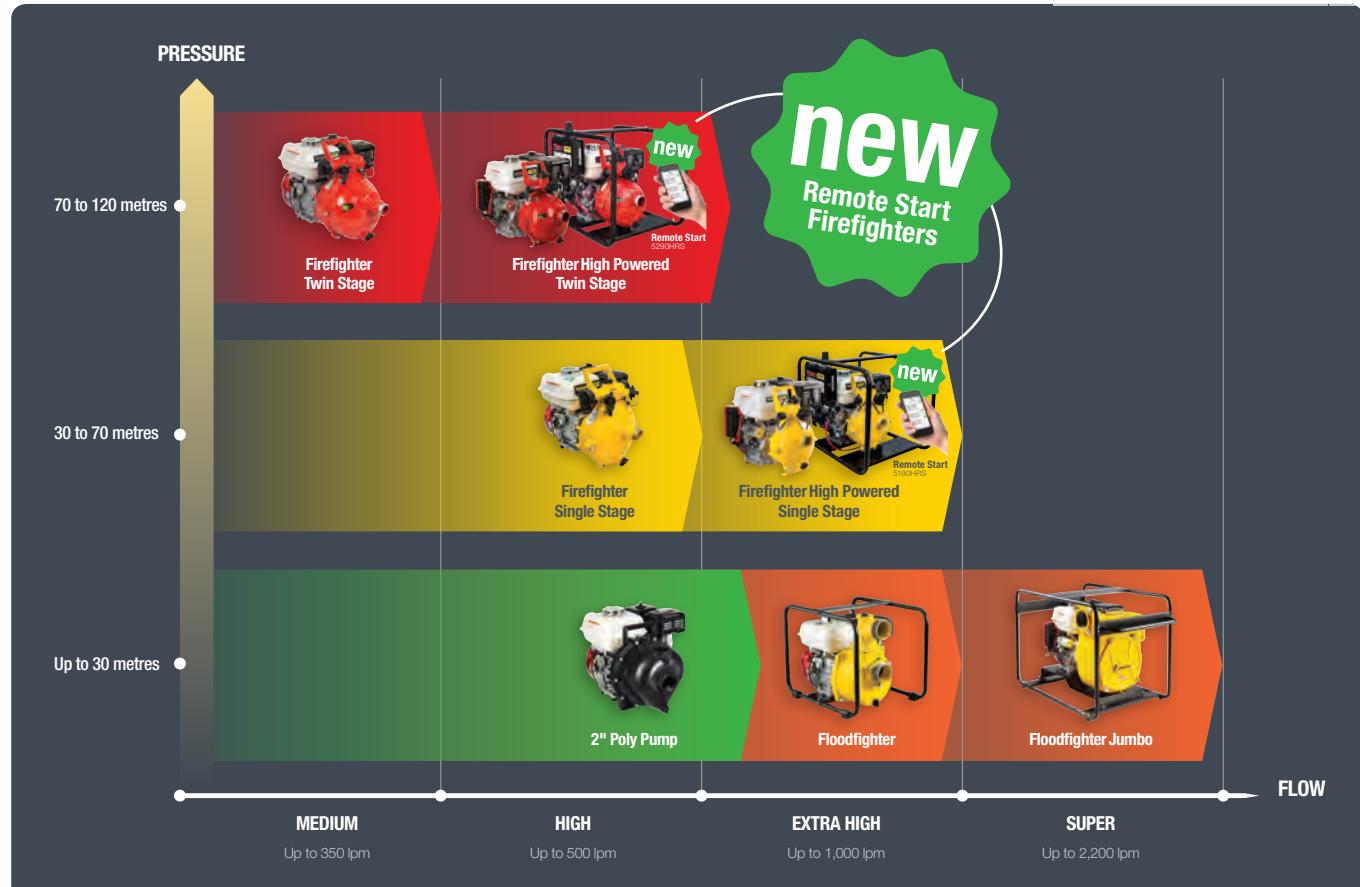


HIGH PERFORMANCE ENGINE DRIVEN PUMPS

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Bare Shaft Firefighters & Floodfighter Pumps	25
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Selection Guide

SELECT THE RIGHT ENGINE DRIVEN PUMP



All Davey spark ignition (petrol) engines (except GP160) in this trade catalogue meet the proposed Australian Emissions Standards as well as the existing European and US emissions regulations.

NEW Remote Start Firefighter

INTRODUCING THE NEW DAVEY REMOTE START FIREFIGHTER

For added security in a bushfire situation, or to eliminate travel time to a remotely located pump, the Davey Remote Start Firefighter provides a number of options for starting and stopping; manually, remotely via SMS or automatically.

To activate the pump, you can either:

1. Send an SMS START command to the Remote Start Firefighter to START the Firefighter on the pre-set speed you have selected, OR;
2. Utilise the automatic start facility either with a float switch for a tank filling or a heat sensor system installed on your home.

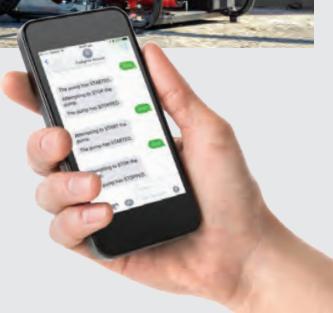
The NEW Remote Start Firefighter is also so intelligent, that it sends you a pump status report via SMS once it is started or stopped!

Multiple users can be registered to operate and receive SMS feedback. All registered users receive SMS feedback and warnings, such as:

- > Pump Start and Pump Stop
- > Battery Low
- > General Status
- > Engine Service and SIM Subscription reminders

Powered by Honda's electronically managed iGX270 petrol engine, the engine has dual preset speeds (3600rpm and 2800rpm) adjustable via a toggle switch on the side of the control centre. For all SMS or timer shutdown events the control centre will automatically set the run speed to the low setting for 15 seconds before allowing the engine to stop.

Contact your local Davey Distributor for details regarding connection and network options.



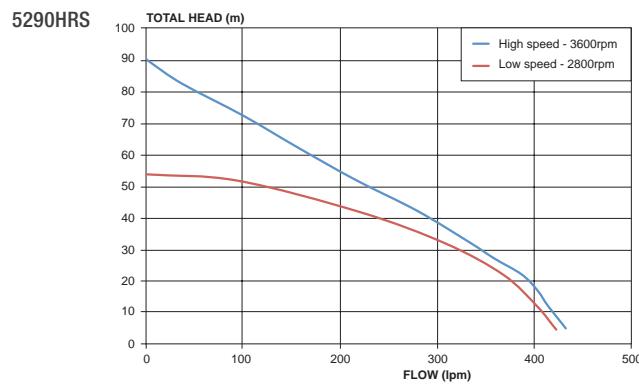
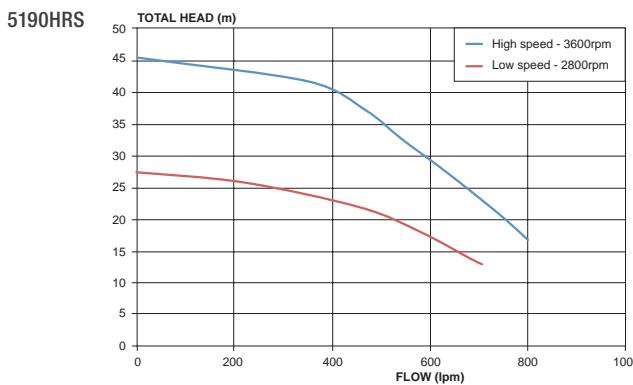
REMOTE START FIREFIGHTER MODELS

- > Davey dependability now with Remote Start
- > Starts and stops remotely with your phone
- > Perfect for ultimate peace-of-mind asset protection



Model No.	Description	Product Group
5190HRS	Single Stage Remote Start Firefighter	1540
5290HRS	Twin Stage Remote Start Firefighter	1541

REMOTE START FIREFIGHTER PERFORMANCE



Firefighter Pumps



Firefighter®

SINGLE AND TWIN STAGE FIREFIGHTER MODELS

- > Solid, class leading performance, Australian designed and made, no.1 in Australia and sold worldwide
- > Powered by industry leading engine manufacturers with the choice of petrol or diesel engines, with key or electric start options
- > Single and twin versions for the choice of higher pressure or higher flow up to 900 lpm

PG - 1540

PG - 1541

Engine	Engine Capacity (cc)	Inlet /Outlet	Firefighter Single Stage	Firefighter Twin Stage
Honda Petrol Engines				
Honda GX160 (4 Way Outlet)	163	1½" / 1½" (4 way)	5155H	5255H
Honda GX160 (3 Way Outlet)	163	1½" / 1½" (3 way)	5155H3	
	163	2" / 1½" (3 way)		5255HQ
	163	2" / 2" (3 way)	5155H23W	5255H23W
Honda GX200 (4 Way Outlet)	196	1½" / 1½" (4 way)	5165H	5265H
Honda GX200 (3 Way Outlet)	196	1½" / 1½" (3 way)	5165H3	
	196	2" / 2" (3 way)	5165H23W	5265H23W
	196	1½" / 1½" (3 way)		5265H3
Honda GX200 (3 Way Outlet, Viton Seal)	196	1½" / 1½" (3 way)	5165HV13W	5265HV13W
	196	2" / 2" (3 way)	5165HV3	5265HV3
Honda GX200 Electric Start (4 Way Outlet)	196	1½" / 1½" (4 way)	5165HE	5265HE
Honda GX270 Electric Start (3 Way Outlet)	270	2" / 2" (3 way)	5190HE	5290HE
Honda GX390 Electric Start (3 Way Outlet)	389	2" / 2" (3 way)	5113HE	5213HE

Yanmar Diesel Engines

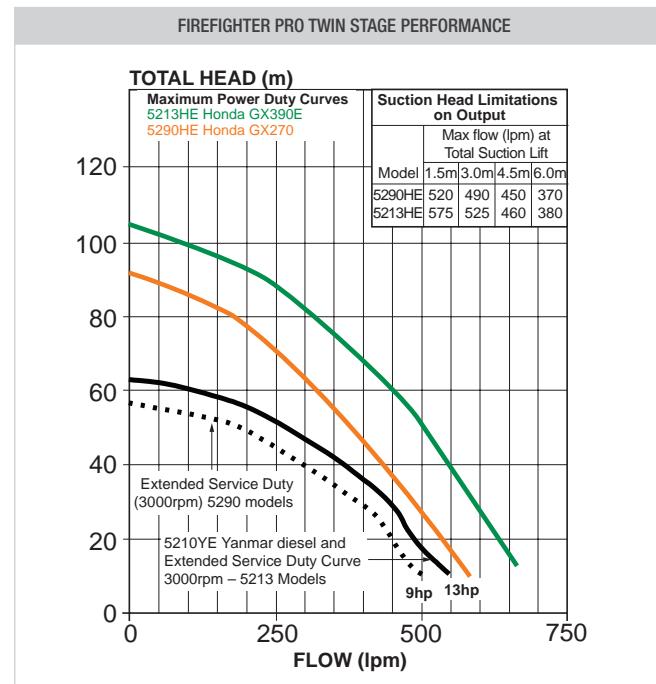
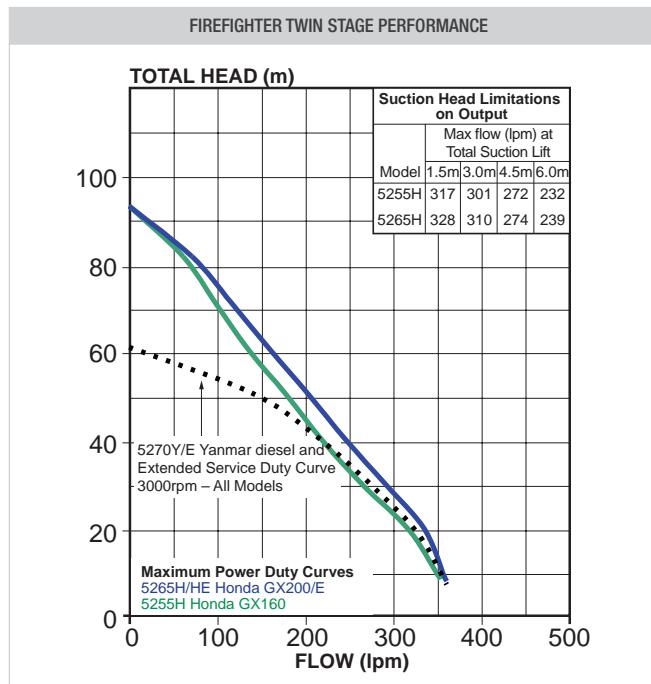
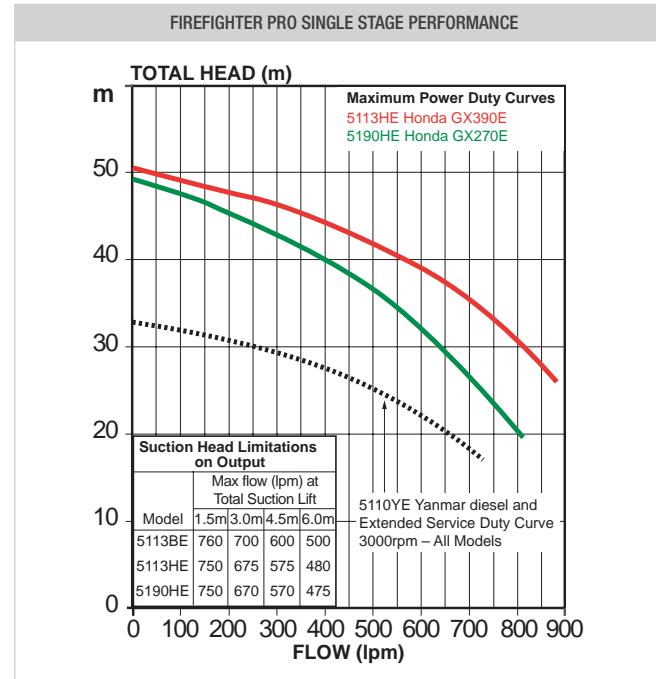
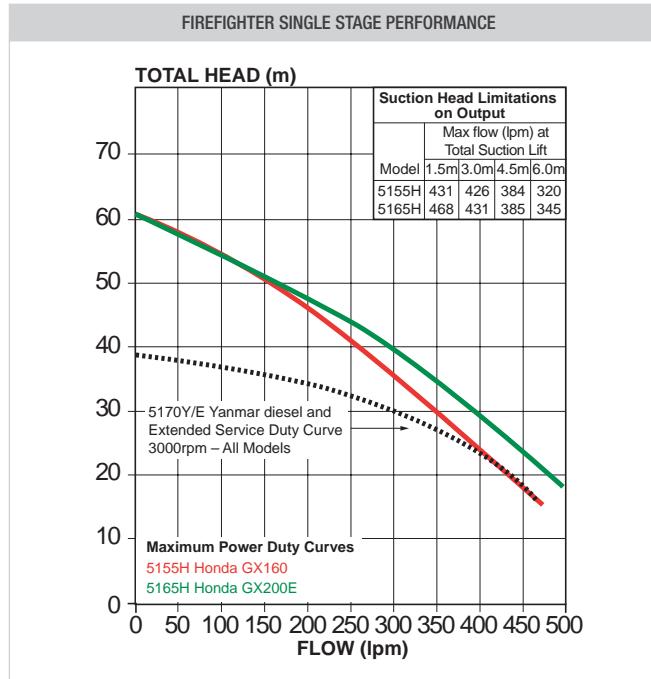
PG - 1543

Yanmar L48N Diesel (4 Way Outlet)	219	1½" / 1½" (4 way)		5248Y
Yanmar L70N Diesel + Deluxe Frame (4 Way Outlet)	320	1½" / 1½" (4 way)	5170Y	5270Y
Yanmar L70N Diesel Electric Start + Deluxe Frame (4 Way Outlet)	320	1½" / 1½" (4 way)	5170YE	5270YE
Yanmar L100N Diesel Electric Start + Deluxe Frame (3 Way Outlet)	435	2" / 2" (3 way)	5110YE	5210YE
	435	2" / 2" (3 way)		5210YE/HP
	435	2" / 1½" (3 way)		5210YEQ

*Electric Start models DO NOT include batteries or leads

ENGINE OPTIONS							
Type	Honda				Yanmar Diesel Engine Options		
	163cc GX160	196cc GX200	270cc GX270	389cc GX390	219cc L48	320cc L70A/E	435cc L100A/E
Firefighter Single Stage Models	5155H	5165H 5165HE	5190HE	5113HE		5170Y 5170YE	5110YE
Firefighter Twin Stage Models	5255H	5265H 5265HE	5290HE	5213HE	5248Y	5270Y 5270YE	5210YE
"Out of box" governed max engine speed @ no load	3800 rpm				3600 rpm	3000 rpm	
Fuel tank (litres)	3.6	3.6	6	6.5	2.4	3.5	5.5
Running time per tank @ full load @ 3600 rpm	1.73 hrs	2.05 hrs	1.9 hrs	2 hrs	1.7 hrs	1.6 hrs	2.5 hrs
Low oil protection	NO						
Exhaust spark arrestor YES NO – optional from engine dealers	NO						
dBA @ 3600 rpm @ full load	85 @ 4m	86 @ 4m	79 @ 7m	78 @ 7m	79.5 @ 7m	80.5 @ 7m	82.5 @ 7m

Firefighter Pumps & CKD Kits



CKD KITS

PG - 1542

Part No.	Description	Shaft	Nominal hp	Pack Qty
5134C	FF Single Stage CKD	3/4"	5 - 7	4
5158C	FF Single Stage CKD	5/8"	5 - 7	4
5110C	FF Single Stage CKD	1"	9 - 13	4
5110C/Y	FF Single Stage CKD	1" Yanmar	10	4
5234C	FF Twin Stage CKD	3/4"	5 - 7	4
5258C	FF Twin Stage CKD	5/8"	5 - 7	4
5210C	FF Twin Stage CKD	1"	9 - 13	4
5210C/Y	FF Twin Stage CKD	1" Yanmar	10	4
5210CL	FF Twin Stage CKD	1"	13	4

Bare Shaft Firefighters & Floodfighters



DAVEY Firefighter®

BARE SHAFT FIREFIGHTER MODELS

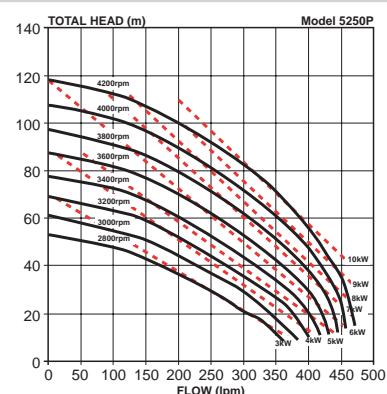
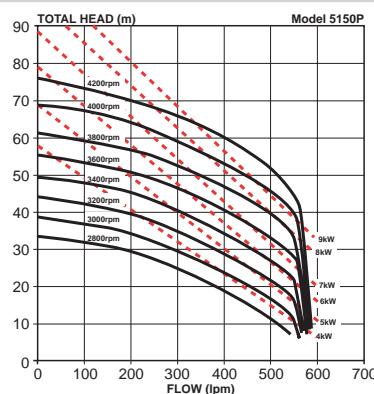
- > Designed to be direct coupled to a petrol or diesel engine, electric motor or belt driven
- > 'V3' models come with Viton seal, o-rings, gaskets and caps fitted for improved chemical resistance for spraying applications
- > Can be driven up to speeds of 4250rpm

PG - 1540

PG - 1541

Engine	Engine Capacity (cc)	Inlet /Outlet	Firefighter Single Stage	Firefighter Twin Stage
Bare Shaft (4 Way Outlet, Standard Seals)	N/A	1½" / 1½" (4 way)	5150P	5250P
Bare Shaft (3 Way Outlet, Viton Seals)	N/A	2" / 2" (3 way)		5250PV3

BARE SHAFT FIREFIGHTER PERFORMANCE



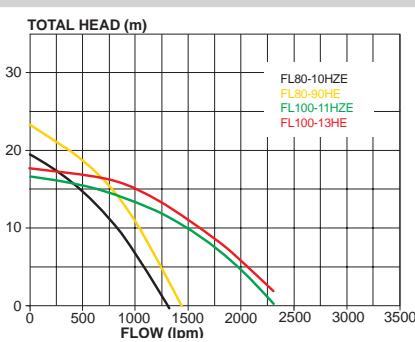
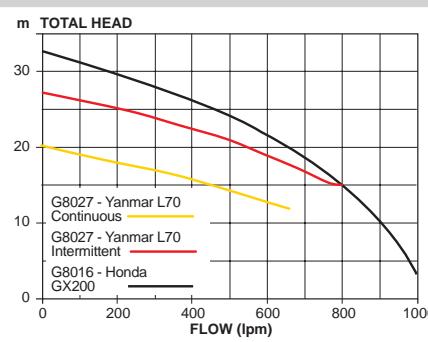
DAVEY Floodfighter®

DAVEY FLOODFIGHTER

- > Rugged, economical open impeller self priming pumps
- > Ideal for moving large volumes of water, including flood recovery
- > Flow rate up to 2200 lpm
- > All petrol models feature low oil level protection as standard. Jumbo Floodfighters and diesel powered Floodfighters are fitted with a Silicone Carbide mechanical seal for extra long life when pumping dirty water

Model No.	Inlet/Outlet	Fuel Type	Engine Capacity (cc)	Engine	Max. Solids	Product Group
G8016	3" BSP	Petrol	196	Honda GX200 & Frame	32mm	1544
G8016E	3" BSP	Petrol	196	Honda GX200 Electric Start & Frame	32mm	1544
G8027/SiC	3" BSP	Diesel	320	Yanmar Diesel & Deluxe Frame	32mm	1544
G8027E/SiC	3" BSP	Diesel	320	Yanmar Diesel Electric Start & Deluxe Frame	32mm	1544
Jumbo Floodfighters (Subject to extended lead times)						
FL80-90HE	3" BSP	Petrol	270	Honda GX270 Electric Start & Deluxe Frame	32mm	1545
FL80-10HZE	3" BSP	Diesel	462	Hatz 1B40E Electric Start & Deluxe Frame	32mm	1545
FL100-13HE	4" BSP	Petrol	389	Honda GX390 Electric Start & Deluxe Frame	50mm	1545
FL100-11HZE	4" BSP	Diesel	517	Hatz 1B50E Electric Start & Deluxe Frame	50mm	1545

FLOODFIGHTER PERFORMANCE

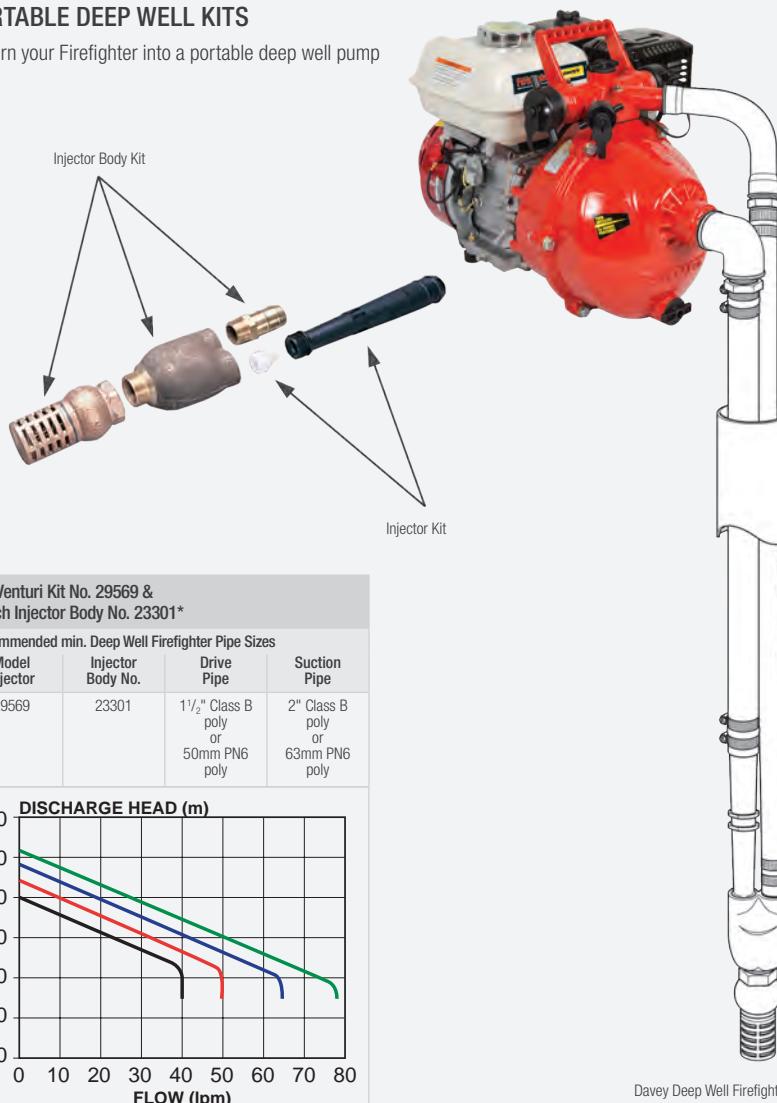


Portable Deep Well Kits

Jet/Venturi Kit No. 29429 & 4 inch Injector Body No. 23300*			
Recommended min. Deep Well Firefighter Pipe Sizes			
Model Injector	Injector Body No.	Drive Pipe	Suction Pipe
29429	23300	1½" Class B poly or 40mm PN6 poly	1½" Class B poly or 50mm PN6 poly
DISCHARGE HEAD (m)			

PORTABLE DEEP WELL KITS

- > Turn your Firefighter into a portable deep well pump



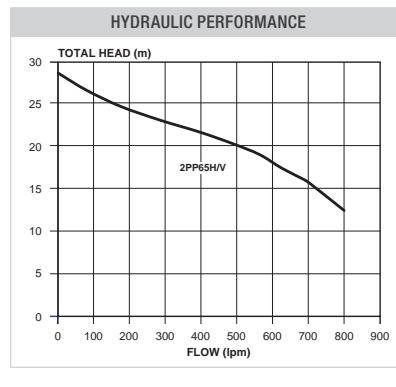
Jet/Venturi Kit No. 29468 & 4 inch Injector Body No. 23300*			
Recommended min. Deep Well Firefighter Pipe Sizes			
Model Injector	Injector Body No.	Drive Pipe	Suction Pipe
29468	23300	1½" Class B poly or 40mm PN6 poly	2" Class B poly or 63mm PN6 poly
DISCHARGE HEAD (m)			

Jet/Venturi Kit No. 29569 & 5 inch Injector Body No. 23301*			
Recommended min. Deep Well Firefighter Pipe Sizes			
Model Injector	Injector Body No.	Drive Pipe	Suction Pipe
29569	23301	1½" Class B poly or 50mm PN6 poly	2" Class B poly or 63mm PN6 poly
DISCHARGE HEAD (m)			

*If used in difficult installations consult your Davey Dealer for technical advice and assistance.

— 12M DEPTH TO WATER — 21M DEPTH TO WATER
— 30M DEPTH TO WATER — 40M DEPTH TO WATER

Engine Driven Poly Pumps



PG - 1547

2" POLY PUMP

- > Constructed of strong 30% glass filled polyester components and EPDM elastomers to pump most agricultural fertiliser chemicals
- > Provides high flow rates up to 600 lpm
- > Lightweight with an integrated carry handle makes it easily portable
- > Powered by a genuine Honda GX200 engine for superb performance and proven reliability
- > Fitted with Viton Seal for increased chemical resistance

Part No.	Description	Engine Capacity (cc)	Inlet/Outlet
2PP65HV	2" Poly Pump with Viton Seal	Honda GX200 / 196cc	2"(F) / 2"(F)



SHALLOW & DEEP WELL PUMPS

Shallow Well Jet Pumps
Deep Well Jet Pumps

27-30
28-31

Shallow & Deep Well Jet Pumps

The Davey range of quality shallow well pumps and pressure systems is ideal for supplying high pressure water, from garden sprinklers through to stock watering and washdown applications.



SHALLOW WELL JET PUMPS

- Rugged single stage jet assisted pump with unique composite casing, fitted with pressure switch
- Offers versatility with venturi options available to adjust to required duty
- Designed for high ambient temperatures and extremes in supply voltage, they are ideal for remote areas
- Suitable for drawing water from depths up to 7.5 metres with flow rate up to 165 lpm

Kit includes jet and venturi and suction housing

Description	Product Group	kW (P ₂)	Max. Flow	Part No.	Part No.
95S Shallow Well Jet - 22690 Injector	1012	1.1	95	095S1	
95S Shallow Well Jet - 22691 Injector	9012	1.1	95	K95S691	
125S Shallow Well Jet - 22693 Injector	1012	1.4	125	125S1	
125S Shallow Well Jet - 22694 Injector	9012	1.4	125	K125S694	
125S Shallow Well Jet - 22695 Injector	9012	1.4	125	K125S695	
165S Shallow Well Jet - 22697 Injector	1012	1.8	165	165S1	165S3
165S Shallow Well Jet - 22698 Injector	9012	1.8	165	K165S698	K165S3698
165S Shallow Well Jet - 22699 Injector	9012	1.8	165	K165S699	K165S3699

Shallow & Deep Well Jet Pumps



DEEP WELL JET PUMPS

- > Rugged single stage jet assisted pump with unique composite casing, fitted with pressure switch for bores down to 42 metres
- > Versatile with venturi options to adjust to required depths and duties up to 122 lpm
- > Suitable for horizontal offset applications and fitted standard with ADR valve to protect against loss of prime from over pumping

Select pump kit, then body assembly
to suit the well size

Kit includes jet, venturi, injector body kits and ADR valve

Description	Suits well size	Product Group	kW (P ₂)	Max. Flow	1 x 220–250V	3 x 415V
					Part No.	Part No.
95D Deep Well Pump only	4"	1012	1.1	-	095D1	
95D Deep Well Jet - 22469 Injector	4"	9012	1.1	85	K95D469	
95D Deep Well Jet - 22470 Injector	4"	9012	1.1	49	K95D470	
125D Deep Well Pump only	4"	1012	1.4	-	125D1	
125D Deep Well Jet - 22471 Injector	4"	9012	1.4	96	K125D471	
125D Deep Well Jet - 22472 Injector	4"	9012	1.4	63	K125D472	
125D Deep Well Jet - 22570 Injector	5"	9012	1.4	87	K125D570	
165D Deep Well Pump only	4"	1012	1.8	-	165D1	165D3
165D Deep Well Jet - 22473 Injector	4"	9012	1.8	107	K165D473	K165D3473
165D Deep Well Jet - 22474 Injector	4"	9012	1.8	63	K165D474	K165D3474
165D Deep Well Jet - 22475 Injector	4"	9012	1.8	25	K165D475	K165D3475
165D Deep Well Jet - 22571 Injector	5"	9012	1.8	122	K165D571	K165D3571
165D Deep Well Jet - 22572 Injector	5"	9012	1.8	64	K165D572	K165D3572
165D Deep Well Jet - 22573 Injector	5"	9012	1.8	37	K165D573	K165D3573



PRIME JET PUMP WITH INJECTOR

- > Rugged single stage jet assisted pump fitted with pressure switch
- > Shallow well draw to 7.5 metres*, deep well down to 50 metres
- > Versatile with venturi options to adjust to required depths and duties

Description	Product Group	Suits well size	kW (P ₂)	Part No.	Part No.
Prime Jet 240 - Bare Pump	1010		2.5 / 2.3	48501	48503
Shallow Well					
Prime Shallow Jet 240 - 22680 Injector	9012		2.5 / 2.3	KPJ240680	KPJ2403680
Prime Shallow Jet 240 - 22681 Injector	9012		2.5 / 2.3	KPJ240681	KPJ2403681
Prime Shallow Jet 240 - 22682 Injector	9012		2.5 / 2.3	KPJ240682	KPJ2403682
Prime Shallow Jet 240 - 22683 Injector	9012		2.5 / 2.3	KPJ240683	KPJ2403683
Deep Well					
Prime Deep Well Jet 240 - 22427 Injector	9012	4"	2.5 / 2.3	KPJ240427	KPJ2403427
Prime Deep Well Jet 240 - 22428 Injector	9012	4"	2.5 / 2.3	KPJ240428	KPJ2403428
Prime Deep Well Jet 240 - 22468 Injector	9012	4"	2.5 / 2.3	KPJ240468	KPJ2403468
Prime Deep Well Jet 240 - 22566 Injector	9012	5"	2.5 / 2.3	KPJ240566	KPJ2403566
Prime Deep Well Jet 240 - 22567 Injector	9012	5"	2.5 / 2.3	KPJ240567	KPJ2403567
Prime Deep Well Jet 240 - 22568 Injector	9012	5"	2.5 / 2.3	KPJ240568	KPJ2403568
Prime Deep Well Jet 240 - 22569 Injector	9012	5"	2.5 / 2.3	KPJ240569	KPJ2403569

* Suction lift measured at Sea Level



Shallow & Deep Well Jet Pumps

OFF SET FLANGE

Part No.	Product Group	Description
26363	1012	Off Set Flange for 2 pipe horizontal systems

INJECTOR ASSEMBLY

Part No.	Product Group	Description
23100	1012	Deep Well 4"
23125	1012	Deep Well 5"

INJECTORS

Part No.	Product Group	Description
Shallow Well		
22690	1012	95S Shallow Well Jet
22691	1012	95S Shallow Well Jet
22693	1012	125S Shallow Well Jet
22694	1012	125S Shallow Well Jet
22695	1012	125S Shallow Well Jet
22697	1012	165S Shallow Well Jet
22698	1012	165S Shallow Well Jet
22699	1012	165S Shallow Well Jet
22680	1012	Prime Shallow Jet 240
22681	1012	Prime Shallow Jet 240
22682	1012	Prime Shallow Jet 240
22683	1012	Prime Shallow Jet 240
Deep Well		
22469	1012	95D Deep Well Jet
22470	1012	95D Deep Well Jet
22471	1012	125D Deep Well Jet
22472	1012	125D Deep Well Jet
22570	1012	125D Deep Well Jet
22473	1012	165D Deep Well Jet
22474	1012	165D Deep Well Jet
22475	1012	165D Deep Well Jet
22571	1012	165D Deep Well Jet
22572	1012	165D Deep Well Jet
22573	1012	165D Deep Well Jet
22427	1012	Prime Deep Well Jet 240
22428	1012	Prime Deep Well Jet 240
22468	1012	Prime Deep Well Jet 240
22566	1012	Prime Deep Well Jet 240
22567	1012	Prime Deep Well Jet 240
22568	1012	Prime Deep Well Jet 240
22569	1012	Prime Deep Well Jet 240



Shallow Well Jet Pumps

SHALLOW WELL PUMPS																				
Pump Model	Jet Kit No.	Total Suction Head m ft	Delivery Head in metres/feet																Maximum Shut-Off Pressure kPa	Pressure Switch Setting kPa psi
			26	85	28	92	34	112	38	125	41	135	48	157	55	180	62	203		
			260	38	280	41	340	49	380	55	410	59	480	70	550	80	620	90		
95S 1ph 1.6kW *	22690*	0 0	95	20.8	91	20.0	60	13.1	42	9.2	29	6.3							480 70	
	1.5	5	86	18.9	83	18.2	55	12.0	40	8.7	27	5.9							476 69	260 38
	4.0	13	70	15.3	69	15.1	45	9.8	30	6.5	17	3.7							450 65	to to
	6.0	20	55	12.0	55	12.0	37	8.1	22	4.8	10	2.1							430 62	380 55
	7.5	25	42	9.2	42	9.2	34	7.4	15	3.2									412 60	
	22691	0 0					65	14.2	53	11.6	46	10.1	31	6.8	19	4.1			680 98	
	1.5	5					60	13.1	50	10.9	43	9.4	29	6.3	17	3.7			670 97	340 49
	4.0	13					48	10.5	41	9.0	35	7.6	24	5.2	14	3.0			645 93	to to
	6.0	20					38	8.3	37	8.1	32	7.0	21	4.6	11	2.4			630 91	510 74
	7.5	25					31	6.8	31	6.8	28	6.1	20	4.3	10	2.1			620 90	
125S 1ph 2.1kW *	22693*	0 0	126	27.7	126	27.7	100	21.9	72	15.8	51	11.2							482 70	
	1.5	5	113	24.8	113	24.8	84	18.4	64	14.0	45	9.8							470 68	260 38
	4.0	13	93	20.4	93	20.4	70	15.3	50	10.9	28	6.1							445 64	to to
	6.0	20	70	15.3	70	15.3	59	12.9	36	7.9	11	2.4							425 62	380 55
	7.5	25	57	12.5	57	12.5	43	9.4	18	3.9									400 58	
	22694	0 0					90	19.7	78	17.1	67	14.7	47	10.3	28	6.1			660 96	
	1.5	5					82	18.0	73	16.0	63	13.8	43	9.4	24	5.2			650 94	340 49
	4.0	13					67	14.7	66	14.5	56	12.3	37	8.1	19	4.1			630 91	to to
	6.0	20					53	11.6	53	11.6	52	11.4	34	7.4	16	3.5			615 89	510 74
	7.5	25					44	9.6	44	9.6	33	7.2	15	3.2					605 88	
8.5A 2.1kW *	22695	0 0								60	13.1	45	9.8	31	6.8	20	4.3		780 113	
	1.5	5								54	11.8	39	8.5	28	6.1	17	3.7		750 109	410 59
	4.0	13								48	10.5	36	7.9	25	5.4	15	3.2		730 106	to to
	6.0	20								38	8.3	33	7.2	23	5.0	13	2.8		710 103	590 86
	7.5	25								31	6.8	28	6.1	19	4.1	10	2.1		690 100	
	22697*	0 0	165	36.2	165	36.2	105	23.0	77	16.9	62	13.6							490 71	
	1.5	5	144	31.6	144	31.6	90	19.7	67	14.5	53	11.6							480 70	260 38
	4.0	13	120	26.3	120	26.3	82	18.0	58	12.7	38	8.3							454 66	to to
	6.0	20	90	19.7	90	19.7	76	16.7	52	11.4	26	5.7							440 64	380 55
	7.5	25	70	15.3	70	15.3	60	13.1	32	7.0									415 60	
165S 10.0A 3ph 2.3kW *	22698	0 0					112	24.6	88	19.3	76	16.7	51	11.2	26	5.7			630 91	
	1.5	5					100	21.9	82	18.0	71	15.6	47	10.3	22	4.8			622 90	340 49
	4.0	13					88	19.3	75	16.4	64	14.0	41	9.0	16	3.5			598 87	510 74
	6.0	20					70	15.3	64	14.0	57	12.5	32	7.0	8	1.7			572 83	
	7.5	25					54	11.8	54	11.8	50	10.9	26	5.7					552 80	
	22699	0 0									53	11.6	42	9.2	30	6.5	24	5.3	830 120	
	1.5	5									50	10.9	39	8.5	28	6.1	22	4.8	823 119	480 70
	4.0	13									48	10.5	36	7.9	25	5.4	20	4.4	805 117	to to
	6.0	20									43	9.4	34	7.4	23	5.0	17	3.7	795 115	660 96
	7.5	25									34	7.6	32	7.0	21	4.6	16	3.5	778 113	
Prime Jet 240 1ph 3.2kW *	22680	0 0					228	50.1	164	36.0	130	28.5							470 68	
	1.5	5					208	45.7	150	32.9	112	24.6							455 66	240 35
	4.0	13					165	36.2	114	25.0	75	16.4							435 63	to to
	6.0	20					132	29.0	82	18.0	46	10.1							415 60	370 54
	7.5	25					108	23.7	64	14.0	31	6.8							405 59	
	22681	0 0	234	51.5	192	42.2	178	39.1	157	34.5	128	28.1	78	17.1	46	10.1			570 83	
	1.5	5	211	46.4	170	37.3	164	36.0	146	32.1	114	25.0	64	14.0					555 80	300 44
	4.0	13	167	36.7	134	29.4	127	27.9	118	25.9	88	19.3	45	9.8					535 78	to to
	6.0	20	133	29.3	108	23.7	104	22.8	98	21.5	74	16.2	34	7.4					515 75	470 68
	7.5	25	108	23.7	86	18.9	86	18.9	86	18.9	66	14.5	22	4.8					500 73	
14.0A 3ph 3.0kW *	22682	0 0							130	28.5	110	24.1	78	17.1	46	10.1			735 107	
	1.5	5							117	25.7	98	21.5	66	14.5	36	7.9			710 103	400 58
	4.0	13							94	20.6	81	17.8	48	10.5	19	4.1			670 97	to to
	6.0	20							75	16.4	68	14.9	36	7.9	6	1.3			635 92	590 86
	7.5	25							62	13.6	58	12.7	28	6.1					610 88	
	22683	0 0								101	22.2	77	16.9	50	10.9	41	9.1	790 115		
	1.5	5								90	19.7	74	16.2	46	10.1	35	7.8	770 112	500 73	
	4.0	13								72	18.8	58	12.7	34	7.4	25	5.6	740 107	to to	
	6.0	20								57	12.5	48	10.5	26	5.7	18	4.0	720 104	690 100	
	7.5	25								34	7.4	45	9.8	21	4.6	13	2.9	700 102		

★ Input kW (P₁) ✕ Output kW (P₂)

IMPORTANT INFORMATION

* Denotes standard configuration. Models 95S, 125S & 165S may be converted to higher pressure by fitting relevant Jet & Venturi.

Specify Jet Kit No. when ordering Prime Jet 240.

> Plumbing Connections: Inlet – 1½" (38 mm) BSP Female. Outlet – 1¼" (32mm) BSP Female – all models.

> Pumps are supplied with pressure switches connected, suitable



Deep Well Jet Pumps

DEEP WELL PUMPS

Pump Model	Injector Kit No.	Shut Off Pressure	Outlet Pressure	Depth to water metres/feet																	
				6	9	12	15	18	21	24	27	30	33	36	39	42	45	50			
				20	30	39	49	59	69	79	89	98	108	118	128	138	148	164			
Output per minute in litres/gallons																					
95D 1ph 1.6kW *	22469 (4") 100mm	140 550 280 420	20 80 40 60	85 57 12.5 21	18.6 49 10.7 4.6	73 49 10.7 16	16.0 35 2.8 3.5	64 40 8.7 11	14.0 32 7.0 2.4	55 46 12.0 25	10.1 5.4										
	22470 (4") 100mm	140 645 280 420	20 93 40 60		49 34 16	10.7 7.4 3.5	43 29 12	9.4 6.3 2.8	39 27 12	8.5 5.9 2.6	30 21 6.5 18	26 18 5.7 3.9	5.7 3.5 23 13	23 16 5.0 2.8	5.0 18 18 3.9	18 13 3.9 2.8					
125D 1ph 2.1kW *	22471 (4") 100mm	210 575 280 420	30 83 40 60	96 77 16.9 34	21.1 16.9 65 7.4	85 65 14.2 5.7	16.0 57 47 20	60 43 13.1 14	13.1 10.3 59 3.0	51 39 11.2 3.0											
	22472 (4") 100mm	210 660 350 480	30 96 50 70		63 39 19	13.8 8.5 4.1	55 34 16	12.0 7.4 3.5	49 29 12	10.7 6.3 2.6	42 24 10	9.2 5.2 2.1	36 21 7.9	29 18 3.9	6.3 3.0 14	25 22 5.4	22 11 4.8				
	22570 (5") 125mm	210 650 350 480	30 94 50 70		87 56 29	19.1 12.3 6.3	80 51 26	17.5 11.2 5.7	70 43 21	15.3 9.4 4.6	61 37 17	13.4 8.1 3.7	53 33 13	11.6 7.2 2.8	45 23 19	9.8 5.0 4.1	37 15 3.2	8.1 2.1 2.4	27 21 2.4		
165D 1ph 2.4kW *	22473 (4") 100mm	210 620 350 480	30 90 50 70	107 50 13.1 27	23.5 10.9 5.9	93 40 50 20	20.4 9.2 4.3	83 35 10	18.2 7.6 2.1	71 29 10	15.6 7.6 2.1	59 63 23	12.9 6.3 5.0								
	22474 (4") 100mm	210 635 350 480	30 92 50 70			63 40 19	13.8 8.7 4.1	54 34 14	11.8 7.4 3.0	46 28 10	10.1 6.1 2.1	40 24 20	40 20 4.3	8.7 5.2 16	35 20 3.5	7.6 12 2.6	27 24 5.2				
	22475 (4") 100mm	210 750 350 480	30 109 50 70																		
3ph 10.0A 2.3kW *	22571 (5") 125mm	210 590 350 480	30 86 50 70	122 74 16.2 27	26.8 62 13.6 5.9	111 62 51 18	24.4 11.2 11.2 3.9	98 51 40 11	21.5 11.2 40 2.4	87 40 29	19.1 8.7 6.3	70 20 15.3 20	15.3 12.3 4.3								
	22572 (5") 125mm	210 630 350 480	30 91 50 70									64 38 18	14.0 8.3 3.9	57 33 14	12.5 7.2 3.0	49 28 10	10.7 6.1 2.1	42 24 20	9.2 5.2 4.3	37 15 3.2	8.1 15 3.2
	22573 (5") 125mm	210 540 280 350	30 78 40 50																		
Prime Jet 240 1ph 3.2kW *	22427 (4") 100mm	210 550 350 480	30 80 50 70	165 104 22.8 70	36.2 80 17.5 3.5	134 62 45 16	29.4 13.6 9.8 3.5	110 62 45 15	24.1 13.6 9.8 3.2	81 45 39 9	17.8 9.8 8.5 1.9	59 39 8.5 1.9	12.9 8.5 8.5 1.9								
	22428 (4") 100mm	210 350 815 480	30 50 118 70			81 53 11.6 27	17.8 45 4.5 5.9	77 45 9.8 21	16.9 37 3.7 4.6	72 8.1 30 15	15.8 8.1 6.5 2.9	60 47 22 16	13.0 12.5 3.5 9	48 47 29 1.9	10.5 10.5 8.7 1.9	40 40 32 22	8.7 7.0 7.0 4.8				
	22566 (5") 125mm	210 525 350 480	30 76 50 70	194 116 25.5 70	42.6 96 21.1 6.5	166 96 72 10	36.5 11.2 15.8 2.1	132 51 41 10	29.0 9.0 12.7 2.1												
3ph 14.0A 3.0kW *	22567 (5") 125mm	210 560 350 480	30 81 50 70			158 98 33	34.7 21.5 7.2	130 84 20	28.5 18.4 4.3	108 64 48	23.7 14.0 10.5	84 64 28	18.4 14.0 6.1	64 44 28	14.0 14.0 6.1						
	22568/22468 (5") 125mm (4") 100mm	210 830 350 620	30 120 50 90			101 69 15.1 35	22.2 21.1 61 7.6	95 86 61 29	20.8 18.9 13.4 6.3	88 73 51 21	19.3 16.0 11.2 4.6	82 64 41 15	18.0 14.0 9.0 3.2	71 48 37 9	15.6 10.5 9.8 3.2	62 40 37 26	13.6 11.2 9.8 5.7	51 41 29 12	51 41 26		
	22569 (5") 125mm	210 830 350 620	30 120 50 90																		

★ Input kW (P₁) ♦ Output kW (P₂)

IMPORTANT INFORMATION

- Pump outlet: 1 1/4" (32 mm) BSP Female. 'Automatic Demand Response' valve fitted as standard on all complete pump models.
- Suction pipe sizes: 1 1/2" and 1 1/4" I.D imperial polypipe for injector kit nos 22469 – 22475 and 22427 – 22428. 2" and 1 1/2" I.D Imperial polypipe for injector kit nos 22570 – 22573 and 22569 – 22567. 2" and 1 1/4" I.D Imperial polypipe for injector kit no. 22468.
- Max. shut-off pressures are at shallowest depth to water for each injector. Reduce by 10kPa for every 1 metre of extra depth to water.
- All performances are with injector submergence of 3m and minimum pipe length of 12m.
- All pipe fittings and hose clips are included with deep well injectors.
- For offset applications, performance will be reduced if suction pipe lengths exceed depths indicated for borehole installations.
- Consult your Davey dealer for recommendations on pipe sizes.
- Pumps are supplied with pressure switches connected, suitable for automatic pressure system operation in conjunction with Davey Supercell tanks.
- To convert litres/min to gallons/hour multiply by 13.2. All imperial data is an approximation of metric figures. Specifications subject to change without notice.
- All single phase models supplied with plug and lead for 10amp (Prime Jet 240, 15amp) 220/250 volt 50Hz operation. Prime Jet 240 only may be re-connected for use on nominal 480 volt 50Hz single phase supply. 3 phase 415 volt available in models 165D and Prime Jet 240 only – specify when ordering.



EFFLUENT PUMPS

Mukmova Effluent Pumps

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Mukmova Effluent Pumps

Davey Effluent pumps are single stage open vane, semi vortex self priming centrifugal pumps driven by single or three phase TEFC motors. They are ideal for pumping effluent water or water containing soft solids in suspension, such as dairy or piggery waste, liquid food transfer and general water transfer.



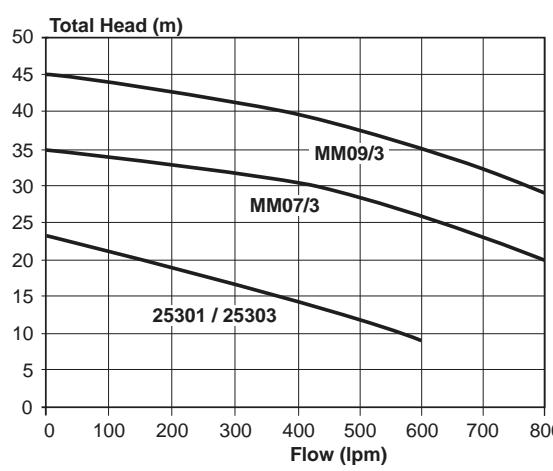
MUKMOVA EFFLUENT PUMPS

PG - 1050

- Ideal for pumping effluent water or water containing soft solids in suspension
- Semi vortex open vane impeller allows safe pumping of soft solids with little chance of blockage
- Flow rates up to 800 lpm and head up to 45 metres

Part No.	Description	kW (P ₂)	Voltage	Phase	Inlet / Outlet	Max. Flow	Max. Pressure
25301	Mukmova	2.1	240/480	1	2½" F / 2" F	600 lpm	230 kPa
25303	Mukmova	2.0	415	3	2½" F / 2" F	600 lpm	230 kPa
Jumbo Mukmova							
MM07/3	Jumbo Mukmova	7.5	415	3	2" F / 2" F	800 lpm	350 kPa
MM09/3	Jumbo Mukmova	9.2	415	3	2" F / 2" F	800 lpm	450 kPa

HYDRAULIC PERFORMANCE



DAVEY

WASTEWATER & SUMP PUMPS

Pond Pumps
Sump Pumps
Control Systems
Accessories
Circulator Pumps

POND PUMPS

Dynapond

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Pond Pumps

Davey's Dynapond Pond Pumps are specially designed for fully submerged, 24 hours a day, 7 days a week operation. Ideal for large domestic, small commercial fountains, waterfalls, Koi (Japanese Carp) and fish ponds, as well as recirculation applications in freshwater aquaculture.



Vertical or horizontal installation

DYNAPOND PUMPS

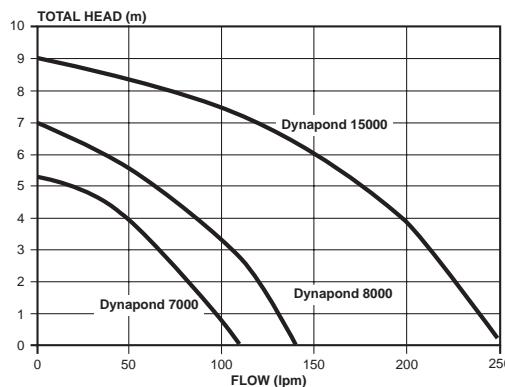
- Submersible pond pumps with adjustable inlet strainer
- Designed for continuous operation – 24 hours a day, 7 days week
- Suitable for fish ponds, freshwater aquaculture, water features and fountains

Vertical or horizontal installation

PG - 1052

Model No.	Description	kW (P ₂)	Voltage	Outlet
DYNAPOND7000	110 lpm pond pump	0.20	240	1 ¹ / ₄ " (F)
DYNAPOND8000	140 lpm pond pump suitable for clear seawater	0.28	240	1 ¹ / ₄ " (F)
DYNAPOND15000	250 lpm pond pump	0.75	240	1 ¹ / ₄ " (F)

HYDRAULIC PERFORMANCE



FLOW REQUIRED PER METRE WIDTH OF WATERFALL

Depth of water at top of waterfall	FLOW	
	(lpm)	(l/hr)
5mm	45	0.45
10mm	100	0.78
15mm	200	0.58
20mm	300	0.80

SUMP PUMPS

Selection Guide	35
Sump Pumps	36-42
Control Systems	43-44
Accessories	44

SELECTION GUIDE

SEDIMENT / MURKINESS →

SUITABLE FLUID	Rainwater	Drainage		Dirty Water / Greywater	Wastewater / Effluent / Sewage				Sludge & Slurries
PUMPS									
FLUIDS / APPLICATIONS									
Fountains	✗	✗	✗	✓	-	-	-	-	-
Rainwater (e.g. tank to garden or home)	✓	✓	✓	✓	✓	-	✓	-	-
Stormwater and surface run off water	✓	✓	✓	✓	✓	✓	✓	✗	✗
Greywater with nil or few small soft solids (e.g. Septic tank pumpouts)	✓	✗	✗	✓	✓	✓	✓	✓	✓
Dirty water with less than 1% small hard solids – some wear can be expected (e.g. site dewatering, swimming pool drainage, stormwater pumping)	✓	✗	✗	✓	✓	✓	✓	✗	✓
Water with up to 10% soft solids in suspension – max. particle size is 80% of pump outlet (e.g. Semi screened raw sewage, stock effluent, grease traps)	✗	✗	✗	✗	✗	✓	✓	✓	✓
Water with medium volumes of hair in suspension (e.g. greywater, abattoir wash down, dog washing, animal washing)	✗	✗	✗	✗	✗	✗	✓	✓	✗
Water with stringy materials in suspension (e.g. laundromats, cotton & wool mills, food factories)	✗	✗	✗	✗	✗	✗	✗	✓	✗
Raw sewage including sanitary products	✗	✗	✗	✗	✗	✗	✗	✓	✗
Slurries with up to 35mm particles in suspension up to 70% by weight (e.g. sand and slurries, building site water, mine site water)	✗	✗	✗	✗	✗	✗	✗	✗	✓

✓ Suitable Selection

— Better alternatives available

✗ Not Recommended

Sump Pumps

POND PUMPS

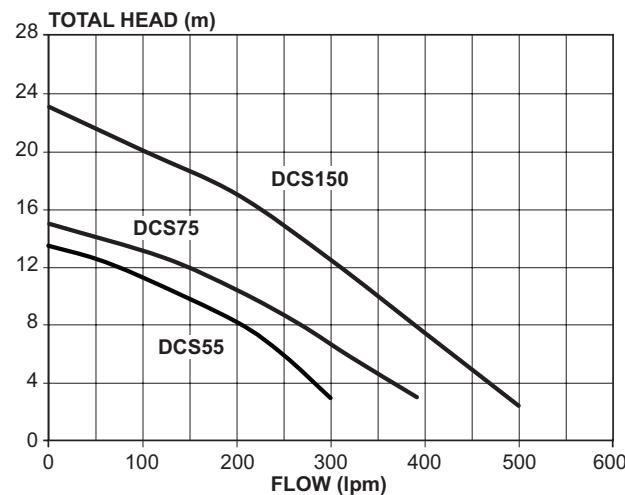
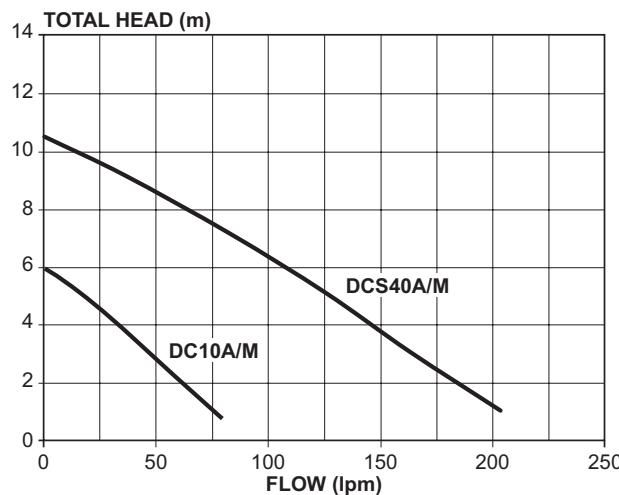


DOUBLE CASE PUMPS

- DC10 models are able to pump clean water of neutral pH containing up to 10% of small soft organic solids (<10mm OD)
- DCS40 models and above are able to pump sewage or 'grey water' of neutral pH containing up to 10% of small soft organic solids (<10mm OD)
- Suitable for fish ponds or aquaculture applications
- "A" models include auto float switch

Model No.	kW	Voltage	Outlet	Product Group
DC10A	0.1	220/240	1"	1051
DC10M	0.1	220/240	1"	1051
DCS40A	0.4	220/240	2"	1051
DCS40M	0.4	220/240	2"	1051
DCS55A	0.55	220/240	2"	2010
DCS55M	0.55	220/240	2"	2010
DCS75A	0.75	220/240	2"	2010
DCS75M	0.75	220/240	2"	2010
DCS150	1.5	220/240	2"	2010

HYDRAULIC PERFORMANCE



SUMP PUMPS

CIRCULATOR PUMPS

Sump Pumps

DAVEY

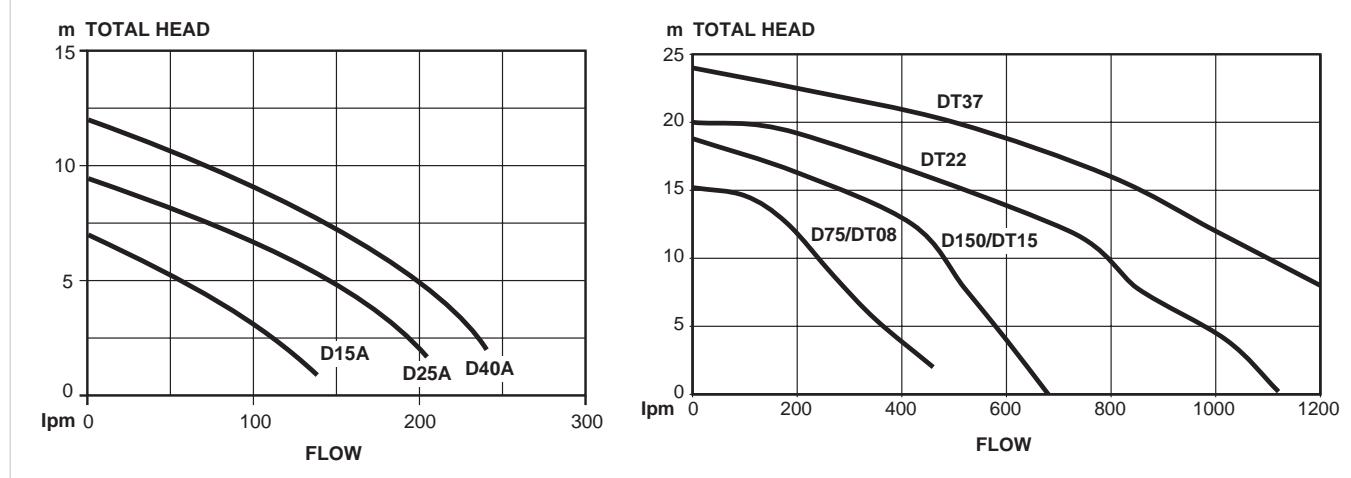


GENERAL PURPOSE DEWATERING PUMPS

- > Davey dewatering pumps are less susceptible to blockage
- > Attractive, lasting appearance with an open impeller, centrifugal design
- > Suitable for applications such as moving rainwater, surface water and storm water
- > "A" models include auto float switch

Model No.	KW	Voltage	Outlet	Product Group
D15A	0.15	220/240	1 1/4"	1051
D25A	0.25	220/240	1 1/2"	1051
D40M	0.4	220/240	2"	1051
D40A	0.4	220/240	2"	1051
D75M	0.75	220/240	2"	2010
D75A	0.75	220/240	2"	2010
D150	1.5	220/240	3"	2010
DT08	0.75	415	2"	2010
DT15	1.5	415	3"	2010
DT22	2.2	415	3"	2010
DT37	3.7	415	4"	2010
316SS Models				
DT15/SS	1.5	415	3"	2010
DT22/SS	2.2	415	3"	2010

HYDRAULIC PERFORMANCE



POND PUMPS

SUMP PUMPS

CIRCULATOR PUMPS

Sump Pumps

POND PUMPS



HIGH PRESSURE DRAINAGE PUMPS

- > Able to pump clean water of neutral pH (i.e. rainwater)
- > Designed for pumping clean rainwater and activated by an automatic float
- > D53A/B model offers extra pressure for pumping up to a second storey
- > D42A/B, D42A/B20, D53A/B and D53A/B20 can be converted to automatic water pressure systems by adding a TT45/S 'Plug & Play' Torrium2 – see page 11

Model No.	kW	Stages	Voltage	Outlet	Product Group
D23A/B	0.2	1	220/240	1"	1051
D42A/B	0.6	2	220/240	1"	1051
D53A/B	0.84	3	220/240	1"	1051
20m Lead Options					
D42A/B20 (20m power lead)	0.6	2	220/240	1"	1105
D53A/B20 (20m power lead)	0.84	3	220/240	1"	1105



MULTI-PURPOSE VORTEX PUMPS

- > Suitable for pumping clean water or grey water containing some small, soft solids
- > The vortex, open impeller design is less susceptible to blockages
- > "A" models include auto float switch
- > VAGMA model supplied with vertical float to suit more confined spaces

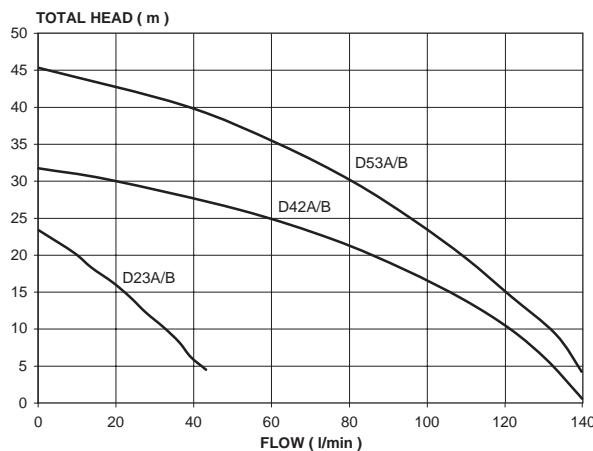
Rail Kit purchased separately – refer page 74

Model No.	kW	Rail Kit	Voltage	Outlet	Product Group
D15VA	0.15	N/A	220/240	1 1/4"	1051
K5D15VAGMA^	0.15	N/A	220/240	1 1/4"	9063
D25VA	0.25	N/A	220/240	1 1/2"	1051
D40VA	0.4	N/A	220/240	2"	1051
D75VA	0.75	N/A	220/240	3"	2010
D150V	1.5	SR80	220/240	3"	2010
DT08V	0.75	N/A	415	3"	2010
DT15V	1.5	SR80	415	3"	2010

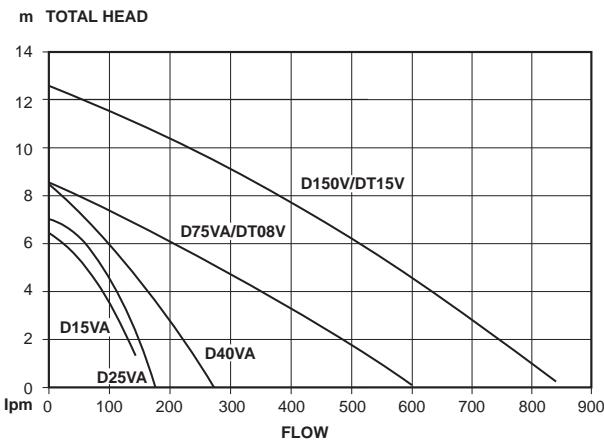
[^] VAGMA model available as a 5 pack only, list price of \$1,833 is for 5 units. Not sold separately

CIRCULATOR PUMPS

HIGH PRESSURE DRAINAGE PUMPS PERFORMANCE



MULTI-PURPOSE VORTEX PUMPS PERFORMANCE





SINGLE CHANNEL WASTE PUMPS

PG - 2010

- > High head, single channel, stormwater and sewage handling, submersible sump pumps
- > Capable of pumping soft solids in suspension up to 2150 lpm
- > A choice of single or three phase motors. Installing with slide rail kits is recommended
- > "A" models include auto float switch

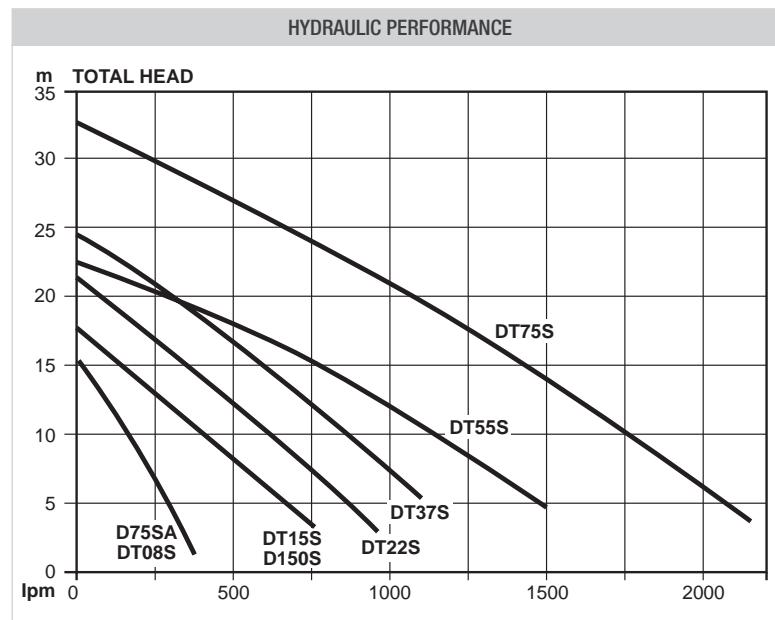
Rail Kit purchased separately – refer page 74

Model No.	KW	Rail Kit	Voltage	Outlet
D75SA	0.75	SR50	220/240	2"
D150S	1.5	SR80	220/240	3"
DT08S	0.75	SR50	415	2"
DT15S	1.5	SR80	415	3"
DT22S	2.2	SR80	415	3"
DT37S	3.7	SR100	415	4"
DT55S	5.5	SR100	415	4"
DT75S	7.5	SR100	415	4"

316 Stainless Steel Models

Model No.	KW	Rail Kit	Voltage	Outlet
DT08S/SS	0.75	SR50SS	415	2"
DT15S/SS	1.5	SR80SS	415	3"
DT22S/SS	2.2	SR80SS	415	3"
DT37S/SS	3.7	SR100SS	415	4"
DT55S/SS*	5.5	SR100SS	415	4"
DT75S/SS*	7.5	SR100SS	415	4"

Models listed with * may not be stocked. Delivery times can be confirmed at time of order



Sump Pumps

POND PUMPS



CUTTER/SHREDDER PUMPS

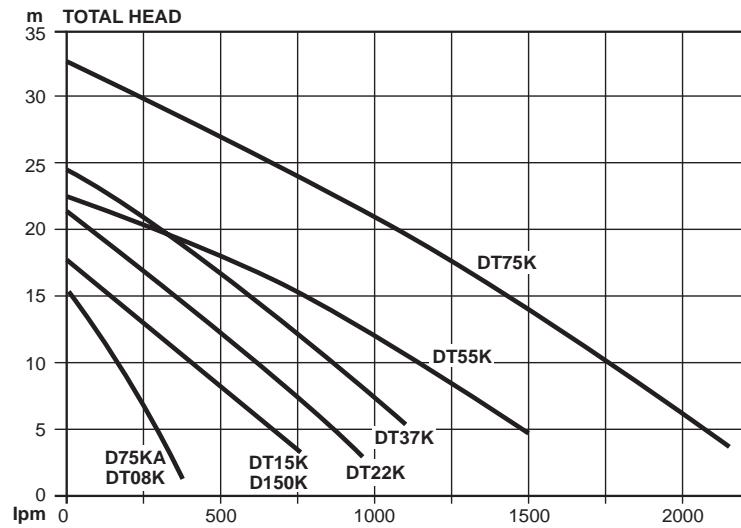
PG - 2010

- Single channel, sewage handling submersible sump pump with capacity up to 2150 lpm
- Contains a cutting impeller, for handling long or string like materials
- Available with a choice of single or three phase motors
- "A" models include auto float switch

Rail Kit purchased separately – refer page 74

Model No.	kW	Rail Kit	Voltage	Outlet
D75KM	0.75	SR50	220/240	2"
D75KA	0.75	SR50	220/240	2"
DT08K	0.75	SR50	415	2"
DT15K	1.5	SR80	415	3"
DT22K	2.2	SR80	415	3"
DT37K	3.7	SR100	415	3"
DT55K	5.5	SR100	415	4"
DT75K	7.5	SR100	415	4"

HYDRAULIC PERFORMANCE



SUMP PUMPS

CIRCULATOR PUMPS



GRINDER PUMPS

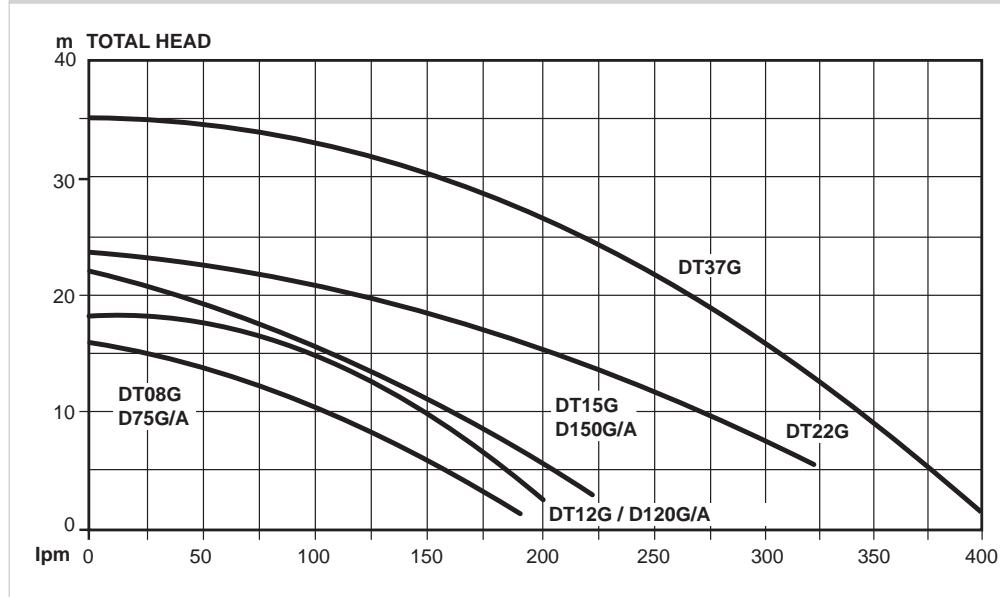
PG - 2010

- > Submersible pump consisting of a solids handling grinder inlet
- > High head open impeller to pump grey and black water, septic effluent and sewage disposal
- > Capacity up to 290 lpm and can handle sanitary and rubber products
- > "A" models include auto float switch

Rail Kit purchased separately – refer page 74

Model No.	kW	Rail Kit	Voltage	Outlet
D75G	0.75	SR50	220/240	1½"
D75GA	0.75	SR50	220/240	1½"
D120G	1.2	SR50	220/240	1½"
D120GA	1.2	SR50	220/240	1½"
D150G	1.5	SR50	220/240	1½"
D150GA	1.5	SR50	220/240	1½"
DT08G	0.75	SR50	415	1½"
DT12G	1.2	SR50	415	1½"
DT15G	1.5	SR50	415	1½"
DT22G	2.2	SR50	415	2"
DT37G	3.7	SR50	415	2"

HYDRAULIC PERFORMANCE



Sump Pumps

POND PUMPS



SLUDGE/SLURRY PUMPS

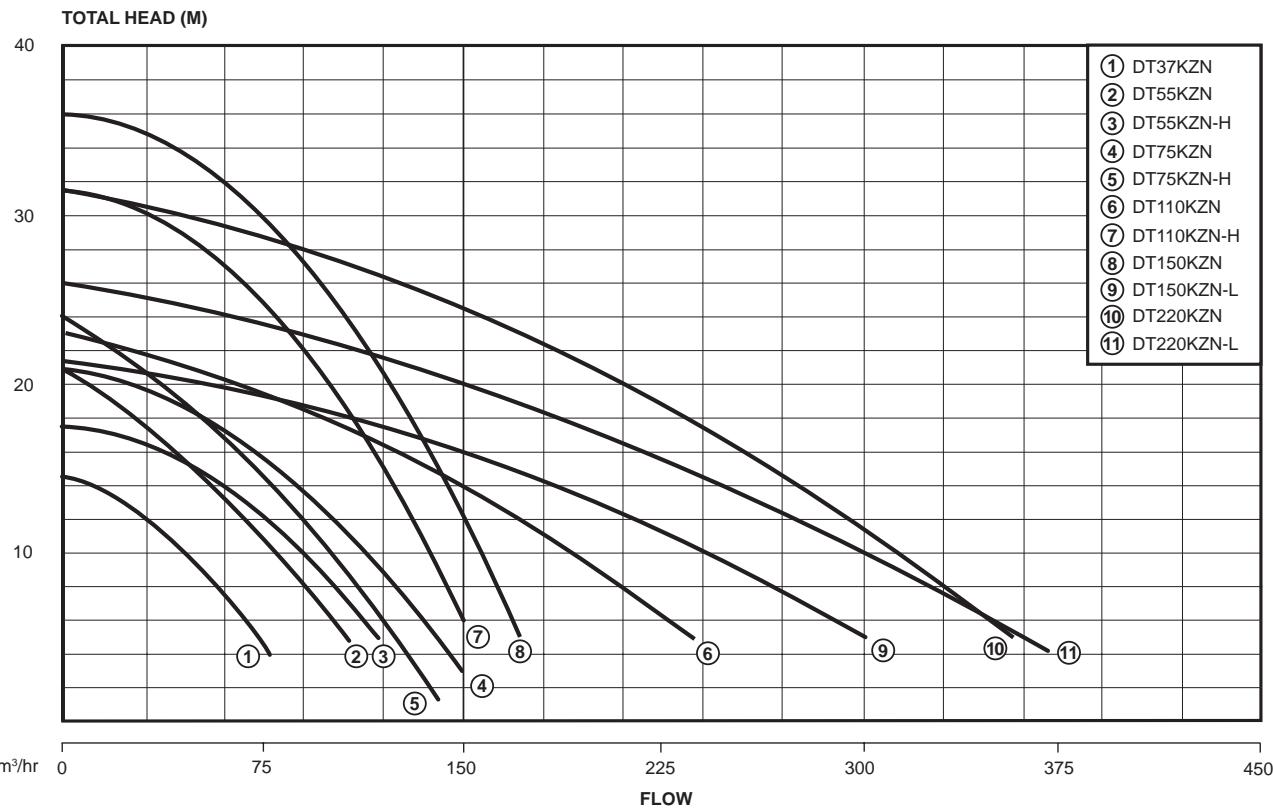
PG - 2010

- > KZN model sump pumps are a commercial, heavy duty, top discharge, dewatering pump
- > Designed for pumping very dirty water and farm wastes
- > Featuring heavy duty inlet agitators they are suitable for pumping sludge and slurries

Model No.	KW	Voltage	Outlet
DT37KZN	3.7	415	3"
DT55KZN	5.5	415	4"
DT55KZN-H	5.5	415	3"
DT75KZN	7.5	415	4"
DT75KZN-H	7.5	415	4"
DT110KZN	11.0	415	4"
DT110KZN-H*	11.0	415	4"
DT150KZN	15.0	415	6"
DT150KZN-L*	15.0	415	6"
DT220KZN*	22.0	415	8"
DT220KZN-L*	22.0	415	8"

Models listed with * may not be stocked. Delivery times can be confirmed at time of order.

HYDRAULIC PERFORMANCE



CIRCULATOR PUMPS



SUMPMMASTER DUAL PUMP CONTROLLER FOR FLOAT SWITCH ONLY OPERATION

PG - 2035

- SumpMaster Mini 2C for control of up to two D40M or two D75M sump pumps
- The Davey SumpMaster controller can control one or two pumps with the assistance of float switches
- Multiple functions with full alarm and BMS interface and suitable for operating a broad range of pumps
- SumpMaster and floats sold separately

Description	Pump Only	SumpMaster 2 Pump controller		Metal Enclosure with Soft Starters
		1 x 240V 50Hz	3 x 415V 50Hz	
Dewatering	2 x D75M	0.75	DSM-F2-0.75	
	2 x DT08	0.75	DSM-F2-1.2/3	
	2 x D150	1.5	DSM-F2-1.5/3	
	2 x DT15	1.5	DSM-F2-2.2/3	
	2 x DT22	2.2	DSM-F2-3.7/3	
	2 x DT37	3.7		DSM-F2-5.5/3SS
	2 x DT55	5.5		DSM-F2-7.5/3SS
	2 x DT75	7.5		
Dewatering Vortex	2 x D150V	1.5	DSM-F2-1.5	
	2 x DT08V	0.75	DSM-F2-1.2/3	
	2 x DT15V	1.5	DSM-F2-1.5/3	
Wastewater	2 x D150S	1.5	DSM-F2-1.5	
	2 x DT08S	0.75	DSM-F2-1.2/3	
	2 x DT15S	1.5	DSM-F2-1.5/3	
	2 x DT22S	2.2	DSM-F2-2.2/3	
	2 x DT37S	3.7	DSM-F2-3.7/3	
	2 x DT55S	5.5		DSM-F2-5.5/3SS
	2 x DT75S	7.5		DSM-F2-7.5/3SS
Cutter	2 x D75KM	0.75	DSM-F2-0.75	
	2 x DT08K	0.75	DSM-F2-1.2/3	
	2 x DT15K	1.5	DSM-F2-1.5/3	
	2 x DT22K	2.2	DSM-F2-2.2/3	
	2 x DT37K	3.7	DSM-F2-3.7/3	
	2 x DT55K	5.5		DSM-F2-5.5/3SS
Grinder	2 x DT75K	7.5		DSM-F2-7.5/3SS
	2 x D75G	0.75	DSM-F2-0.75	
	2 x D120G	1.2	DSM-F2-1.2	
	2 x D150G	1.5	DSM-F2-1.5	
	2 x DT08G	0.75		DSM-F2-1.2/3
	2 x DT12G	1.2		DSM-F2-1.2/3
	2 x DT15G	1.5		DSM-F2-1.5/3
Sludge/Slurry	2 x DT22G	2.2		DSM-F2-2.2/3
	2 x DT37G	3.7		DSM-F2-3.7/3
	2 x DT37KZN	3.7	DSM-F2-3.7/3	
	2 x DT55KZN	5.5		DSM-F2-5.5/3SS
	2 x DT75KZN	7.5		DSM-F2-7.5/3SS

Model No.	Description	Enclosure Type	Voltage	Amps Range / Pump
DSM-MINI-0.4	SumpMaster Mini 400W	Plastic	240V	up to 3.7
DSM-MINI-0.75	SumpMaster Mini 750W	Plastic	240V	8
DSM-F2-0.75	SumpMaster 0.75kW	Plastic	240V	8 to 10
DSM-F2-1.2	SumpMaster 1.2kW	Plastic	240V	10 to 13
DSM-F2-1.2/3	SumpMaster 1.2kW	Plastic	415V	1.6 to 2.5
DSM-F2-1.5	SumpMaster 1.5kW	Plastic	240V	13 to 16
DSM-F2-1.5/3	SumpMaster 1.5kW	Plastic	415V	2.5 to 4
DSM-F2-2.2/3	SumpMaster 2.2kW	Plastic	415V	4.0 to 6.0
DSM-F2-3.7/3	SumpMaster 3.7kW	Plastic	415V	6 to 8
DSM-F2-5.5/3SS	SumpMaster 5.5kW*	Metal	415V	10 to 13
DSM-F2-7.5/3SS	SumpMaster 7.5kW*	Metal	415V	13 to 17

See overleaf for SumpMaster Mini Kits *5.5 and 7.5kW controllers include soft starters



Control Systems

POND PUMPS



SUMPMMASTER MINI KITS

PG - 2035

Model No.	Description
KDS2D40M	Kit includes SumpMaster Mini control box, 2 x D40M dewatering pumps and 3 x FS750-10 floats

HIGH LEVEL ALARM – PLASTIC ENCLOSURE	
Part No.	Description
DSM-HLO	High Level Alarm with outputs for BMS etc.
DSM-HLOM	Includes alarm mute and neon shut off

PG - 2035

FLOAT SWITCHES

Part No.	Description	Product Group
FS750-10	8 amp Float Switch with 10 metre H07RNF lead - 3 wire, rubber (includes weight)	2035
GL90/3W	4 amp Float Switch with 3 metre H07RNF lead - 3 wire, rubber (includes weight)	1070

SUMP PUMPS

Accessories



SLIDE RAIL KITS

PG - 2010

- Slide rail kits assist with the safe installation and removal of sump pumps
- Available to suit vortex, single channel, cutter and grinder pump models
- Highly recommended for commercial installations

Note: 3", 4" and 6" slide rail kit requires an elbow

Part No.	Rail Size (Nominal Bore) (Rails not included)	Suits	Outlet
SR50	1" Pipe	Grinder & 2" Sewage	1 ¹ / ₄ " or 2"
SR80	1 ¹ / ₄ " Pipe	3" Sewage	3"
SR100	1 ¹ / ₂ " Pipe	4" Sewage	4"
SR150	1 ¹ / ₂ " Pipe	6" Sewage	6"
316SS Models			
SR50SS	1" Pipe	Grinder & 2" Sewage	2"
SR80SS	1 ¹ / ₄ " Pipe	3" Sewage	3"
SR100SS	1 ¹ / ₂ " Pipe	4" Sewage	4"

CIRCULATOR PUMPS



CIRCULATOR PUMPS



PG - 1036

CIRCULATOR PUMPS

- > For circulation of hot or cold water in heating, air conditioning or cooling systems
- > Operating range of -20°C to 120°C

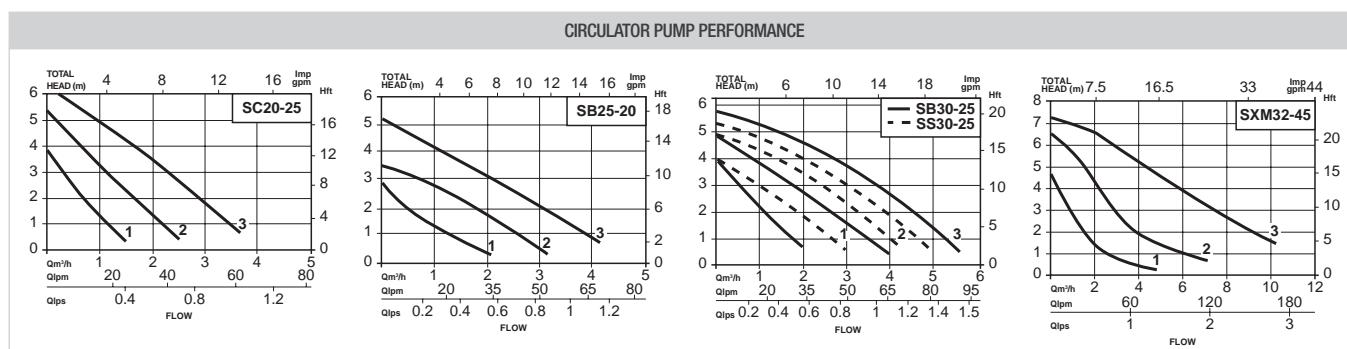
Model No.	Description	Port to Port	Union Size
These models include union sets with gaskets			
SC20-25	Cast iron casing, 2m³/hr	130 mm	1" BSP
SB25-20	Bronze casing, 2.5m³/hr	150 mm	3/4" BSP
SB30-25	Bronze casing, 3m³/hr	180 mm	1" BSP
SS30-25	Stainless steel casing, 3m³/hr	180 mm	1" BSP
Model No.	Description	Port to Port	Union Size
SXM32-45	Cast iron casing, 7m³/hr - Union set sold separately	180 mm	2" port for 1 1/4" BSP
48088	RU33-42 union set	UNIONS	1 1/4" BSP

PG - 1070

DUAL CIRCULATOR PUMP CONTROLLER

- > Twin pump control with auto pump changeover every 12 hours, pump run and fault lights and separate pump on/off/ auto switching. Includes run, alarm and up to 4 BMS outputs.

Model No.	Description
DHWC-2	Dual Circulator Pump Controller

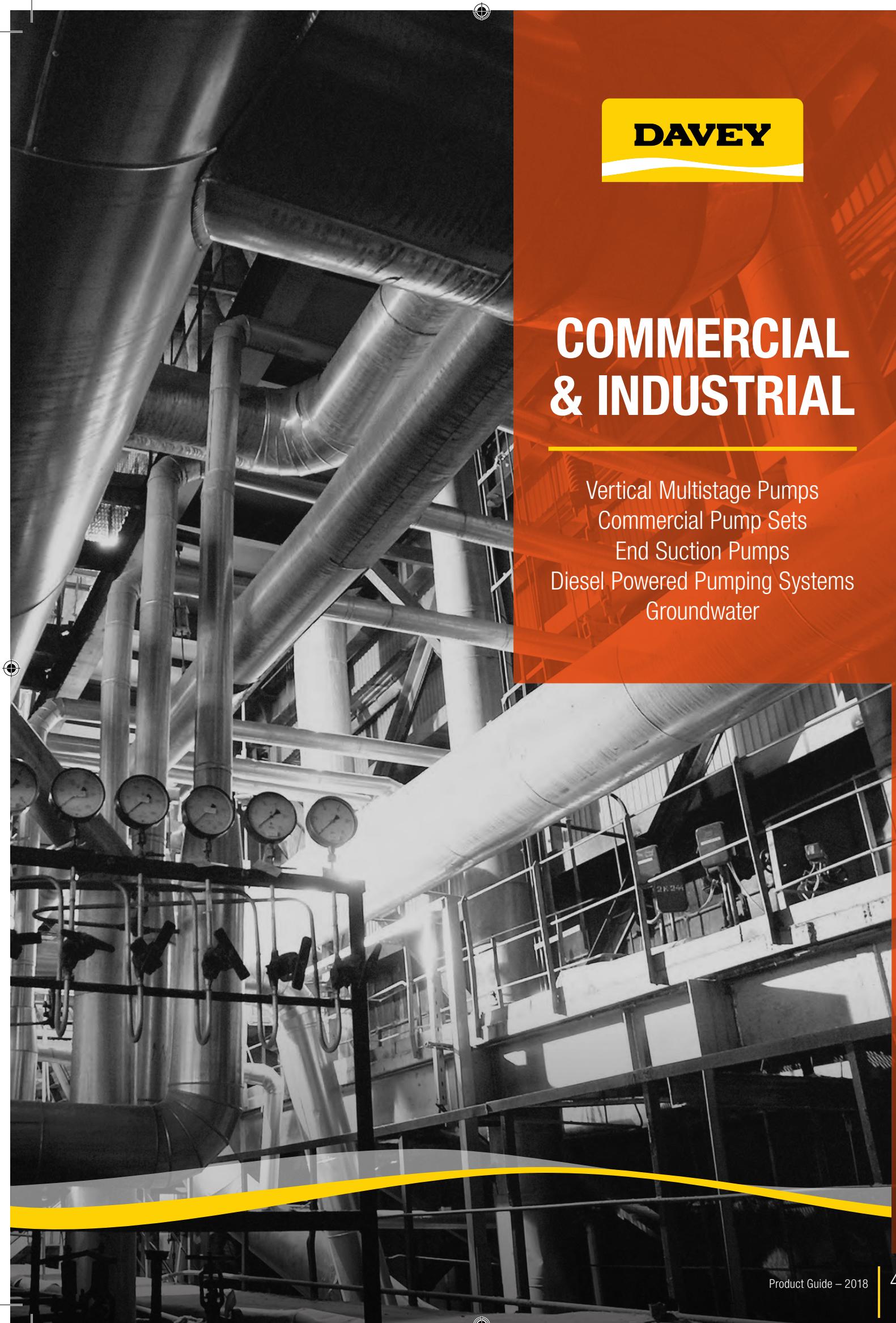




DAVEY

COMMERCIAL & INDUSTRIAL

Vertical Multistage Pumps
Commercial Pump Sets
End Suction Pumps
Diesel Powered Pumping Systems
Groundwater





VERTICAL MULTISTAGE PUMPS

VM Series Pumps

48-53

Vertical Multistage Pumps



VM SERIES PUMPS

- > Single phase motors up to 2.2kW are 240V and incorporate thermal overload
- > All single phase 480V ('/480 models') and all three phase motors must be wired in with a contactor incorporating quicktrip thermal (M10 rated) overloads
- > All pumps include stainless steel screwed counter flanges with gaskets, bolts and washers

PG - 2022

Tested in compliance with
AS/NZS 4020 for use in contact with safe drinking water

VM1 SERIES – Companion Flange: 1¼"

kW (P ₂)	Single Phase Unit - Model No.
0.75	VM1-15
1.1	VM1-17
1.5	VM1-21
1.5	VM1-23
1.5	VM1-25

VM2 SERIES – Companion Flange: 1¼"

PG - 2022

kW (P ₂)	Single Phase Unit - Model No.	Three Phase Unit - Model No.
0.37	VM2-2	VM2-2/3
0.37	VM2-3	VM2-3/3
0.55	VM2-4	VM2-4/3
0.55	VM2-5	VM2-5/3
0.75	VM2-6	VM2-6/3
0.75	VM2-7	VM2-7/3

VM3 SERIES – Companion Flange: 1¼"

PG - 2022

kW (P ₂)	Single Phase Unit - Model No.	Three Phase Unit - Model No.
0.75	VM3-8	VM3-8/3
1.1	VM3-12	VM3-12/3
1.5	VM3-15	VM3-15/3
1.5	VM3-17	VM3-17/3
2.2	VM3-19	VM3-19/3
2.2	VM3-23	VM3-23/3
3.0	VM3-29/480	VM3-29/3

Vertical Multistage Pumps



PG - 2022

VM5 SERIES – Companion Flange: 1¼"

KW (P ₂)	Single Phase Unit - Model No.	Three Phase Unit - Model No.
0.75	VM5-4	VM5-4/3
1.1	VM5-5	VM5-5/3
1.5	VM5-7	VM5-7/3
1.5	VM5-8	VM5-8/3
2.2	VM5-10	VM5-10/3
3.0	VM5-12/480	VM5-12/3
3.0	VM5-14/480	VM5-14/3
3.0	VM5-16/480	VM5-16/3
4.0		VM5-19/3
5.5		VM5-22/3

PG - 2022

VM10 SERIES – Companion Flange: 1½"

KW (P ₂)	Single Phase Unit - Model No.	Three Phase Unit - Model No.
1.5	VM10-4	VM10-4/3
2.2	VM10-5	VM10-5/3
2.2	VM10-6	VM10-6/3
3.0	VM10-7/480	VM10-7/3
3.0	VM10-8/480	VM10-8/3
4.0		VM10-9/3
4.0		VM10-10/3
5.5		VM10-12/3
5.5		VM10-14/3
7.5		VM10-16/3
7.5		VM10-18/3
7.5		VM10-20/3

PG - 2023

VM16 SERIES – Companion Flange: 2"

KW (P ₂)	Three Phase Unit - Model No.
2.2	VM16-2/3
3.0	VM16-3/3
4.0	VM16-4/3
5.5	VM16-5/3
5.5	VM16-6/3
7.5	VM16-8/3
11.0	VM16-12/3
15.0	VM16-14/3

PG - 2023

VM20 SERIES – Companion Flange: 2"

KW (P ₂)	Three Phase Unit - Model No.
1.1	VM20-1/3
2.2	VM20-2/3
4	VM20-3/3
5.5	VM20-4/3
5.5	VM20-5/3
7.5	VM20-6/3
7.5	VM20-7/3
11	VM20-8/3
11	VM20-10/3
15	VM20-12/3
15	VM20-14/3
18.5	VM20-17/3

Vertical Multistage Pumps

VM32 SERIES – Companion Flange: 2½"

PG - 2023

kW (P₂)	Three Phase Unit - Model No.
3.0	VM32-2A/3
5.5	VM32-3/3
7.5	VM32-4/3
11.0	VM32-5/3
11.0	VM32-6/3
15.0	VM32-8/3
18.5	VM32-10/3
22.0	VM32-12/3

VM42 SERIES – Companion Flange: 3"

PG - 2023

kW (P₂)	Three Phase Unit - Model No.
4	VM42-1/3
7.5	VM42-2/3
11	VM42-3/3
15	VM42-4/3
18.5	VM42-5/3
22	VM42-6/3
30	VM42-7/3
30	VM42-8/3
37	VM42-9/3
37	VM42-10/3
45	VM42-11/3
45	VM42-12/3

VM65 SERIES – Companion Flange: 4"

PG - 2023

kW (P₂)	Three Phase Unit - Model No.
7.5	VM65-2A/3
11	VM65-2/3
15	VM65-3A/3
18.5	VM65-4B/3
22	VM65-4/3
30	VM65-5A/3
30	VM65-6B/3

VM90 SERIES – Companion Flange: 4"

PG - 2023

kW (P₂)	Three Phase Unit - Model No.
18.5	VM90-3A/3
22	VM90-3/3
30	VM90-4A/3
30	VM90-4/3
37	VM90-5/3
45	VM90-6/3

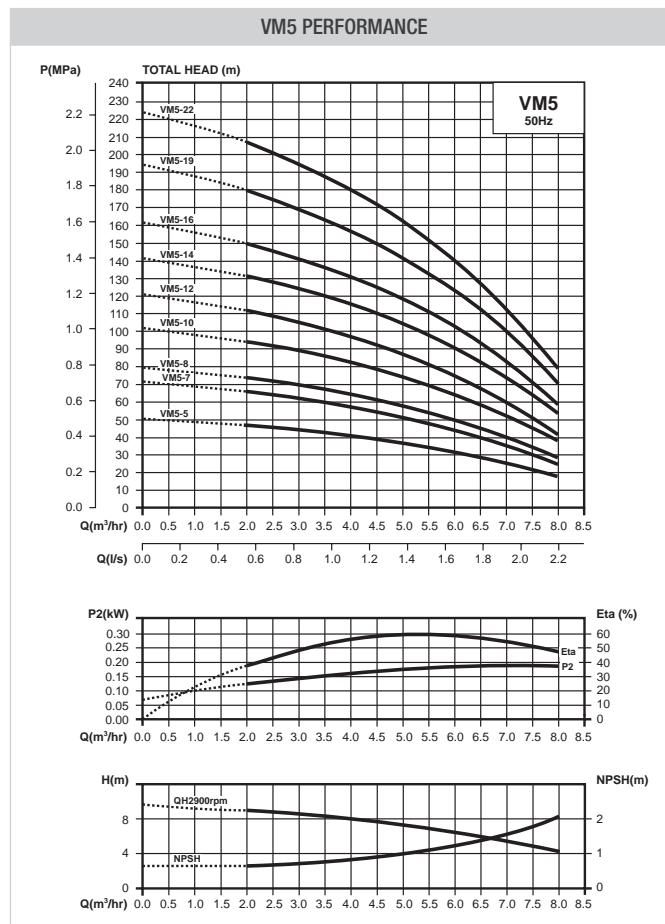
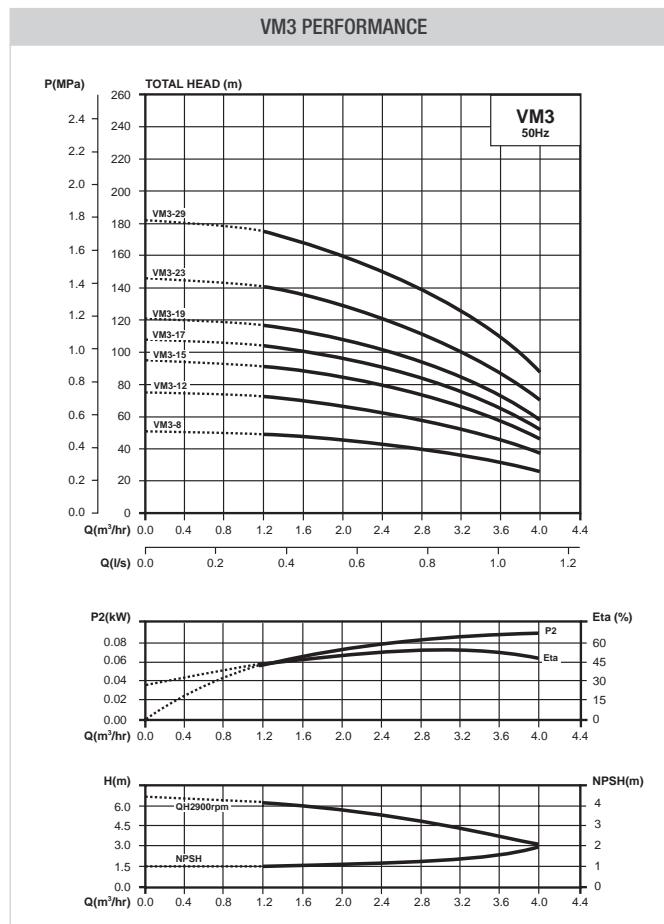
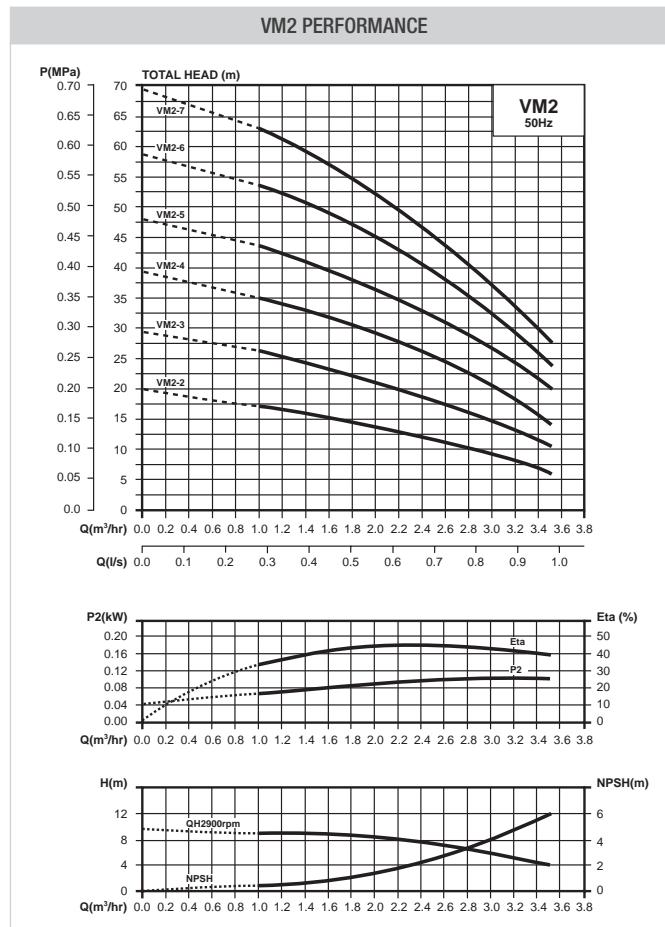
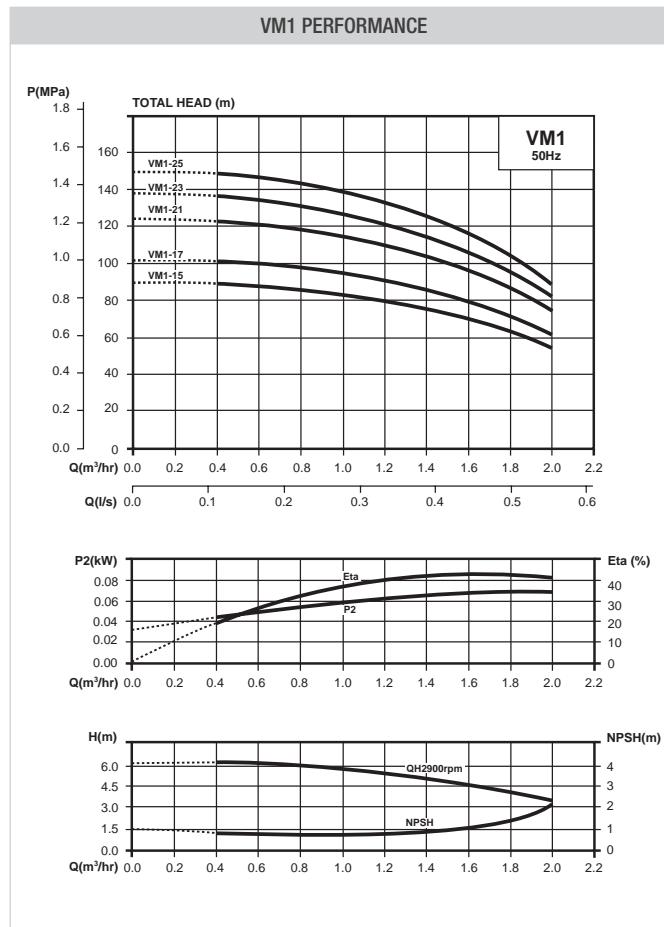
MOTOR TO SUIT DAVEY VM SERIES

PG - 4001

kW (P₂)	Single Phase Motor Models	Three Phase Motor Models
0.75	400645	400603
1.1	401357	400604
1.5	401358	400605
2.2	401359	400606
3.0	48237	400607
4.0	48238	400608
5.5		400609
7.5		400610
11		400611
15		400612
18.5		400613
22		400614
30		400615

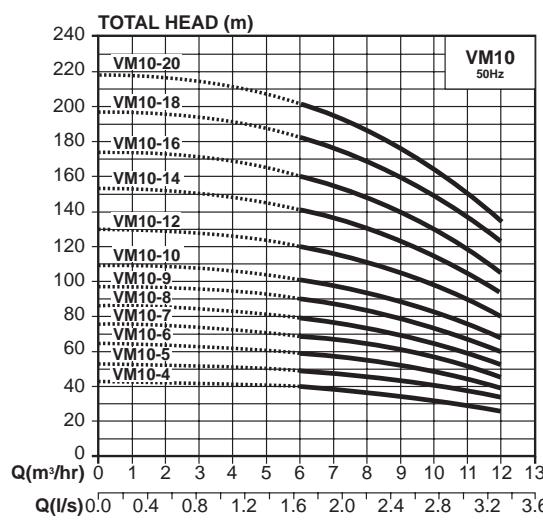
Vertical Multistage Pumps

DAVEY

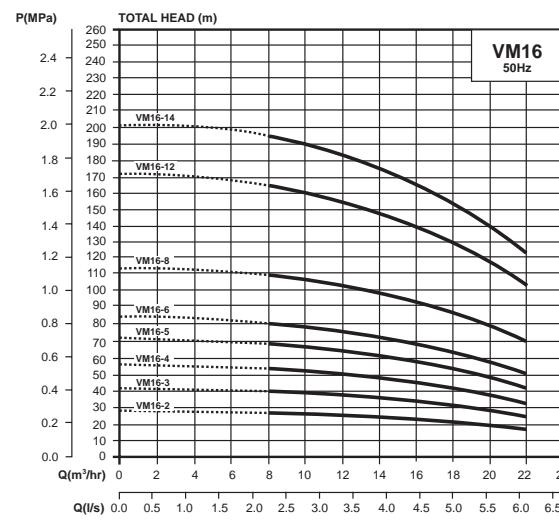


Vertical Multistage Pumps

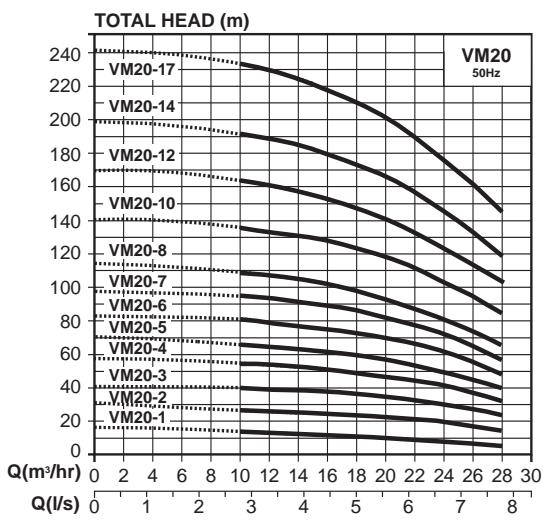
VM10 PERFORMANCE



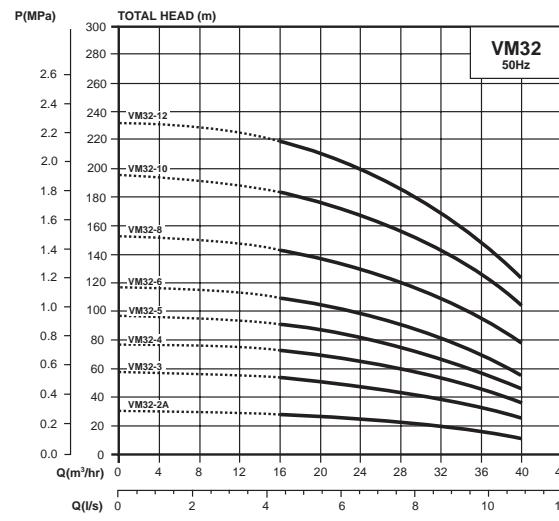
VM16 PERFORMANCE



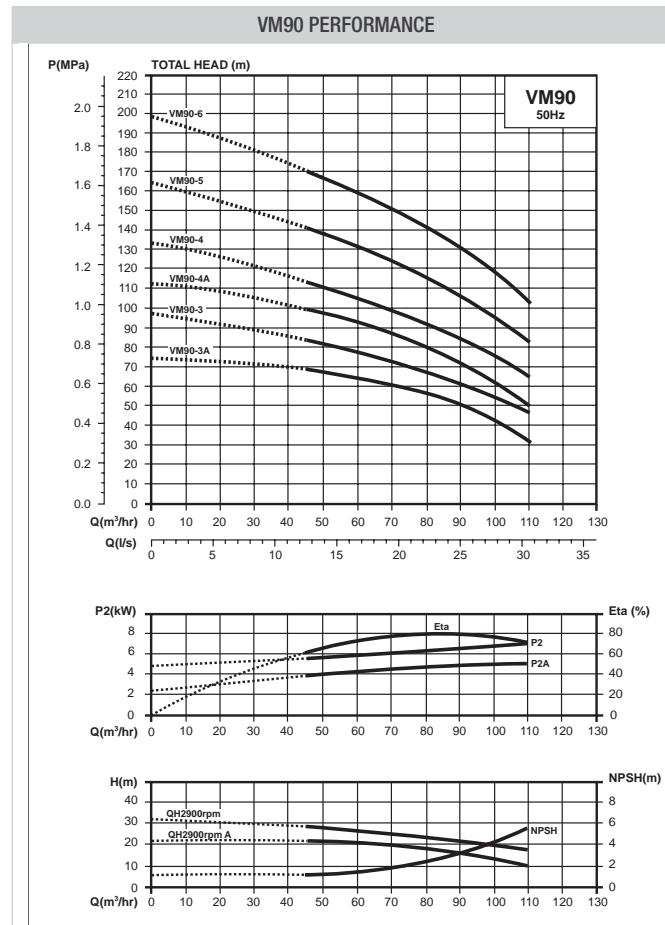
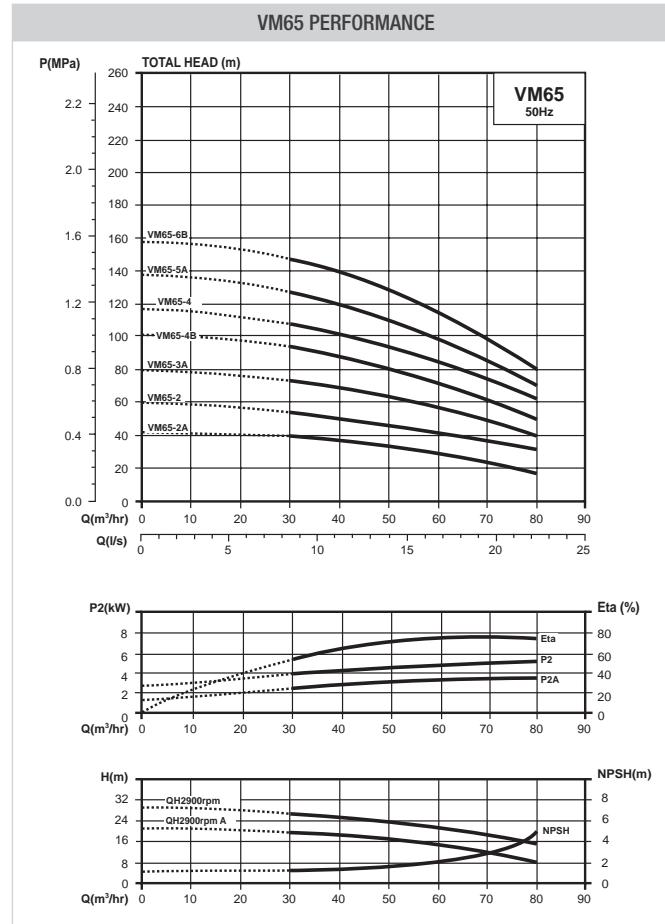
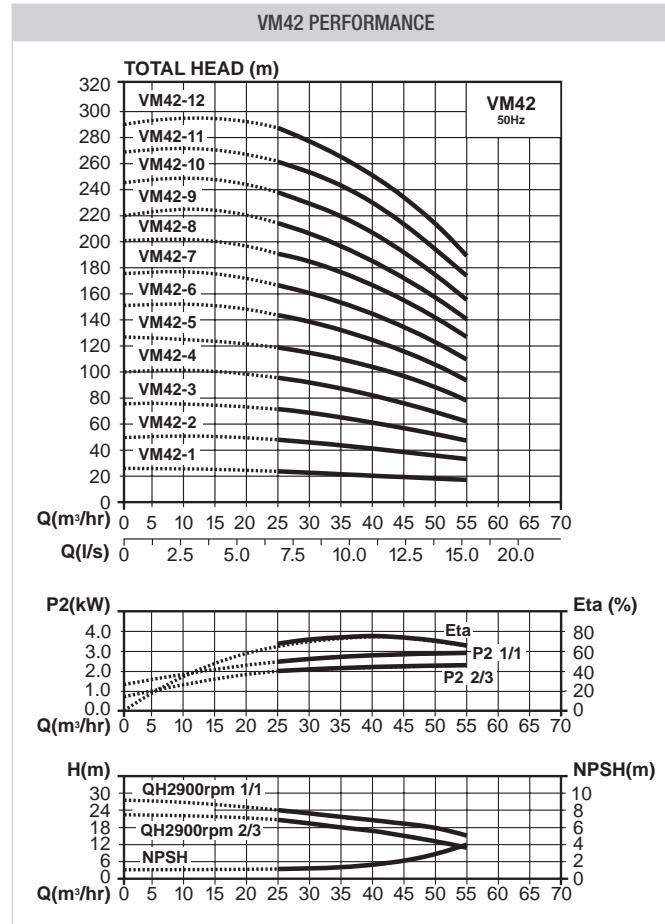
VM20 PERFORMANCE



VM32 PERFORMANCE



Vertical Multistage Pumps





COMMERCIAL PUMP SETS

NEW Monsoon IQ Booster	54-56
Variable Speed Pump Sets	57-58
Fixed Speed Pump Sets	59-61
RainBankPRO	62

NEW Monsoon IQ Booster



The **NEW** Monsoon IQ booster system is our latest pump set package featuring an intuitive touchscreen with remote monitoring and control, plus system optimisation for pressure boosting applications.

Monsoon IQ takes user experience to a whole new level.

EASE OF USE

The Monsoon IQ touchscreen interface has been specifically designed from user feedback to be easy to navigate, understand and adjust either on-site or remotely. The charts and status function enables quick view and fault identification. All communications are in user friendly language.

CONNECTIVITY

The Davey Monsoon IQ system comes ready to connect to the cloud via mobile network. The system also contains connection points for SCADA and BMS connection. The Monsoon IQ Cloud allows you to remotely control, optimise and monitor your system easily from any connected device.

TAILORED SOLUTION

At Davey, we understand no two jobs are the same. That's why we have a team of sales engineers and a specialised production department to tailor the pump set for your needs.

PROTECTION

The Monsoon IQ controller has many built-in features to help protect your pump set and reticulation network, such as our soft fill and limit features, which help protect against water surges and loss of prime.

APPLICATIONS

Designed to meet the daily demands of a variety of installations, including:

- > High rise building pressure boosting
- > Cold water pump set
- > Commercial rainwater harvesting
- > Crop and vineyard irrigation
- > Golf course and sports field irrigation
- > Municipal water supply substations
- > Commercial building water supply

NEW Monsoon IQ Booster



new

MONSOON IQ BOOSTER VARIABLE SPEED PUMP SETS

PG - 2007

- > Easy to use touchscreen interface
- > Ready to connect to the cloud via mobile network
- > Connection points for SCADA and BMS connection
- > Remotely control, optimise and monitor your system easily from any connected device
- > Built-in features to help protect your pump set and reticulation network, such as our soft fill and limit features, which help protect against water surges and loss of prime
- > Installation applications include: high rise building pressure boosting, cold water pump set, commercial rainwater harvesting, crop and vineyard irrigation, golf course and sports field irrigation, municipal water supply substations and commercial building water supply

Tested in compliance with
AS/NZS 4020

for use in contact with safe drinking water

Model	kW(P ₂)	Tank	Part No.	Connection Size
2 Pump Systems				
2MIQV-VM3-8 V1-A-A-A-A	0.75	18L/1600kpa	2MIQ3-8-3-A	2"BSP
2MIQV-VM3-12 V1-A-A-A-A	1.1	18L/1600kpa	2MIQ3-12-3-A	2"BSP
2MIQV-VM3-17 V1-A-A-A-A	1.5	18L/1600kpa	2MIQ3-17-3-A	2"BSP
2MIQV-VM3-23 V1-A-A-A-A	2.2	18L/1600kpa	2MIQ3-23-3-A	2"BSP
2MIQV-VM5-5 V1-A-A-A-A	1.1	18L/1600kpa	2MIQ5-5-3-A	2"BSP
2MIQV-VM5-8 V1-A-A-A-A	1.5	18L/1600kpa	2MIQ5-8-3-A	2"BSP
2MIQV-VM5-10 V1-A-A-A-A	2.2	18L/1600kpa	2MIQ5-10-3-A	2"BSP
2MIQV-VM5-14 V1-A-A-A-A	3	18L/1600kpa	2MIQ5-14-3-A	2"BSP
2MIQV-VM10-4 V1-A-A-A-A	1.5	18L/1600kpa	2MIQ10-4-3-A	DN80 Table E
2MIQV-VM10-6 V1-A-A-A-A	2.2	18L/1600kpa	2MIQ10-6-3-A	DN80 Table E
2MIQV-VM10-8 V1-A-A-A-A	3	18L/1600kpa	2MIQ10-8-3-A	DN80 Table E
2MIQV-VM10-10 V1-A-A-A-A	4	18L/1600kpa	2MIQ10-10-3-A	DN80 Table E
2MIQV-VM10-14 V1-A-A-A-A	5.5	18L/1600kpa	2MIQ10-14-3-A	DN80 Table E
2MIQV-VM16-2 V1-A-A-A-A	2.2	80L/1600kpa	2MIQ16-2-3-A	DN80 Table E
2MIQV-VM16-3 V1-A-A-A-A	3	80L/1600kpa	2MIQ16-3-3-A	DN80 Table E
2MIQV-VM16-4 V1-A-A-A-A	4	80L/1600kpa	2MIQ16-4-3-A	DN80 Table E
2MIQV-VM16-6 V1-A-A-A-A	5.5	80L/1600kpa	2MIQ16-6-3-A	DN80 Table E
2MIQV-VM16-8 V1-A-A-A-A	7.5	80L/1600kpa	2MIQ16-8-3-A	DN80 Table E
2MIQV-VM16-11 V1-A-A-A-A	11	80L/1600kpa	2MIQ16-11-3-A	DN80 Table E
2MIQV-VM20-2 V1-A-A-A-A	2.2	80L/1600kpa	2MIQ20-2-3-A	DN80 Table E
2MIQV-VM20-3 V1-A-A-A-A	4	80L/1600kpa	2MIQ20-3-3-A	DN80 Table E
2MIQV-VM20-5 V1-A-A-A-A	5.5	80L/1600kpa	2MIQ20-5-3-A	DN80 Table E
2MIQV-VM20-7 V1-A-A-A-A	7.5	80L/1600kpa	2MIQ20-7-3-A	DN80 Table E
2MIQV-VM20-10 V1-A-A-A-A	11	80L/1600kpa	2MIQ20-10-3-A	DN80 Table E
2MIQV-VM32-2A V1-A-A-A-A	3	80L/1600kpa	2MIQ32-2A-3-A	DN100 Table E
2MIQV-VM32-3 V1-A-A-A-A	5.5	80L/1600kpa	2MIQ32-3-3-A	DN100 Table E
2MIQV-VM32-4 V1-A-A-A-A	7.5	80L/1600kpa	2MIQ32-4-3-A	DN100 Table E
2MIQV-VM32-6 V1-A-A-A-A	11	80L/1600kpa	2MIQ32-6-3-A	DN100 Table E
2MIQV-VM32-8 V1-A-A-A-A	15	80L/1600kpa	2MIQ32-8-3-A	DN100 Table E
2MIQV-VM42-2 V1-A-A-A-A	7.5	80L/1600kpa	2MIQ42-2-3-A	DN150 Table E
2MIQV-VM42-3 V1-A-A-A-A	11	80L/1600kpa	2MIQ42-3-3-A	DN150 Table E
2MIQV-VM42-4 V1-A-A-A-A	15	80L/1600kpa	2MIQ42-4-3-A	DN150 Table E

3 Pump Systems

3MIQV-VM3-8 V1-A-A-A-A	0.75	18L/1600kpa	3MIQ3-8-3-A	DN80 Table E
3MIQV-VM3-12 V1-A-A-A-A	1.1	18L/1600kpa	3MIQ3-12-3-A	DN80 Table E
3MIQV-VM3-17 V1-A-A-A-A	1.5	18L/1600kpa	3MIQ3-17-3-A	DN80 Table E
3MIQV-VM3-23 V1-A-A-A-A	2.2	18L/1600kpa	3MIQ3-23-3-A	DN80 Table E
3MIQV-VM5-5 V1-A-A-A-A	1.1	18L/1600kpa	3MIQ5-5-3-A	DN80 Table E
3MIQV-VM5-8 V1-A-A-A-A	1.5	18L/1600kpa	3MIQ5-8-3-A	DN80 Table E
3MIQV-VM5-10 V1-A-A-A-A	2.2	18L/1600kpa	3MIQ5-10-3-A	DN80 Table E
3MIQV-VM5-14 V1-A-A-A-A	3	18L/1600kpa	3MIQ5-14-3-A	DN80 Table E
3MIQV-VM10-4 V1-A-A-A-A	1.5	18L/1600kpa	3MIQ10-4-3-A	DN80 Table E



NEW Monsoon IQ Booster

VERTICAL MULTISTAGE PUMPS

COMMERCIAL PUMP SETS

END SUCTION PUMPS

DIESEL POWERED PUMPING SYSTEMS

GROUNDWATER

Model	KW(P ₂)	Tank	Part No.	Connection Size
3 Pump Systems continued				
3MIQV-VM10-6 V1-A-A-A-A	2.2	18L/1600kpa	3MIQ10-6-3-A	DN80 Table E
3MIQV-VM10-8 V1-A-A-A-A	3	18L/1600kpa	3MIQ10-8-3-A	DN80 Table E
3MIQV-VM10-10 V1-A-A-A-A	4	18L/1600kpa	3MIQ10-10-3-A	DN80 Table E
3MIQV-VM10-14 V1-A-A-A-A	5.5	18L/1600kpa	3MIQ10-14-3-A	DN80 Table E
3MIQV-VM16-2 V1-A-A-A-A	2.2	80L/1600kpa	3MIQ16-2-3-A	DN100 Table E
3MIQV-VM16-3 V1-A-A-A-A	3	80L/1600kpa	3MIQ16-3-3-A	DN100 Table E
3MIQV-VM16-4 V1-A-A-A-A	4	80L/1600kpa	3MIQ16-4-3-A	DN100 Table E
3MIQV-VM16-6 V1-A-A-A-A	5.5	80L/1600kpa	3MIQ16-6-3-A	DN100 Table E
3MIQV-VM16-8 V1-A-A-A-A	7.5	80L/1600kpa	3MIQ16-8-3-A	DN100 Table E
3MIQV-VM16-11 V1-A-A-A-A	11	80L/1600kpa	3MIQ16-11-3-A	DN100 Table E
3MIQV-VM20-2 V1-A-A-A-A	2.2	80L/1600kpa	3MIQ20-2-3-A	DN125 Table E
3MIQV-VM20-3 V1-A-A-A-A	4	80L/1600kpa	3MIQ20-3-3-A	DN125 Table E
3MIQV-VM20-5 V1-A-A-A-A	5.5	80L/1600kpa	3MIQ20-5-3-A	DN125 Table E
3MIQV-VM20-7 V1-A-A-A-A	7.5	80L/1600kpa	3MIQ20-7-3-A	DN125 Table E
3MIQV-VM20-10 V1-A-A-A-A	11	80L/1600kpa	3MIQ20-10-3-A	DN125 Table E
3MIQV-VM32-2A V1-A-A-A-A	3	80L/1600kpa	3MIQ32-2A-3-A	DN125 Table E
3MIQV-VM32-3 V1-A-A-A-A	5.5	80L/1600kpa	3MIQ32-3-3-A	DN125 Table E
3MIQV-VM32-4 V1-A-A-A-A	7.5	80L/1600kpa	3MIQ32-4-3-A	DN125 Table E
3MIQV-VM32-6 V1-A-A-A-A	11	80L/1600kpa	3MIQ32-6-3-A	DN125 Table E
3MIQV-VM42-2 V1-A-A-A-A	7.5	80L/1600kpa	3MIQ42-2-3-A	DN150 Table E
3MIQV-VM42-3 V1-A-A-A-A	11	80L/1600kpa	3MIQ42-3-3-A	DN150 Table E

4 Pump Systems

4MIQV-VM3-8 V1-A-A-A-A	0.75	18L/1600kpa	4MIQ3-8-3-A	DN80 Table E
4MIQV-VM3-12 V1-A-A-A-A	1.1	18L/1600kpa	4MIQ3-12-3-A	DN80 Table E
4MIQV-VM3-17 V1-A-A-A-A	1.5	18L/1600kpa	4MIQ3-17-3-A	DN80 Table E
4MIQV-VM3-23 V1-A-A-A-A	2.2	18L/1600kpa	4MIQ3-23-3-A	DN80 Table E
4MIQV-VM5-5 V1-A-A-A-A	1.1	18L/1600kpa	4MIQ5-5-3-A	DN80 Table E
4MIQV-VM5-8 V1-A-A-A-A	1.5	18L/1600kpa	4MIQ5-8-3-A	DN80 Table E
4MIQV-VM5-10 V1-A-A-A-A	2.2	18L/1600kpa	4MIQ5-10-3-A	DN80 Table E
4MIQV-VM5-14 V1-A-A-A-A	3	18L/1600kpa	4MIQ5-14-3-A	DN80 Table E
4MIQV-VM10-4 V1-A-A-A-A	1.5	18L/1600kpa	4MIQ10-4-3-A	DN100 Table E
4MIQV-VM10-6 V1-A-A-A-A	2.2	18L/1600kpa	4MIQ10-6-3-A	DN100 Table E
4MIQV-VM10-8 V1-A-A-A-A	3	18L/1600kpa	4MIQ10-8-3-A	DN100 Table E
4MIQV-VM10-10 V1-A-A-A-A	4	18L/1600kpa	4MIQ10-10-3-A	DN100 Table E
4MIQV-VM10-14 V1-A-A-A-A	5.5	18L/1600kpa	4MIQ10-14-3-A	DN100 Table E
4MIQV-VM16-2 V1-A-A-A-A	2.2	80L/1600kpa	4MIQ16-2-3-A	DN125 Table E
4MIQV-VM16-3 V1-A-A-A-A	3	80L/1600kpa	4MIQ16-3-3-A	DN125 Table E
4MIQV-VM16-4 V1-A-A-A-A	4	80L/1600kpa	4MIQ16-4-3-A	DN125 Table E
4MIQV-VM16-6 V1-A-A-A-A	5.5	80L/1600kpa	4MIQ16-6-3-A	DN125 Table E
4MIQV-VM16-8 V1-A-A-A-A	7.5	80L/1600kpa	4MIQ16-8-3-A	DN125 Table E
4MIQV-VM20-2 V1-A-A-A-A	2.2	80L/1600kpa	4MIQ20-2-3-A	DN150 Table E
4MIQV-VM20-3 V1-A-A-A-A	4	80L/1600kpa	4MIQ20-3-3-A	DN150 Table E
4MIQV-VM20-5 V1-A-A-A-A	5.5	80L/1600kpa	4MIQ20-5-3-A	DN150 Table E
4MIQV-VM20-7 V1-A-A-A-A	7.5	80L/1600kpa	4MIQ20-7-3-A	DN150 Table E
4MIQV-VM32-2A V1-A-A-A-A	3	80L/1600kpa	4MIQ32-2A-3-A	DN150 Table E
4MIQV-VM32-3 V1-A-A-A-A	5.5	80L/1600kpa	4MIQ32-3-3-A	DN150 Table E
4MIQV-VM32-4 V1-A-A-A-A	7.5	80L/1600kpa	4MIQ32-4-3-A	DN150 Table E
4MIQV-VM42-2 V1-A-A-A-A	7.5	80L/1600kpa	4MIQ42-2-3-A	DN200 Table E

Variable Speed Pump Sets



MONSOON 1V VARIABLE SPEED SINGLE PUMP SETS - SINGLE PHASE

PG - 2006

- Variable speed, constant pressure single pump system comprising of VM pump, Monsoon Controller, VSD and pressure tank
- Set point can be easily adjusted to suit specific applications and incorporates no flow pump protection
- Models below show small cross-section of possible models – contact Davey for more information

Tested in compliance with
AS/NZS 4020 for use in contact with safe drinking water

Variable Speed – Single Pump Systems

Model	kW(P ₂)	Tank	Part No.
VM3-8	0.75	18 litre / 1000 kPa	1M1V3-8-18
VM3-12	1.1	18 litre / 1000 kPa	1M1V3-12-18
VM3-15	1.5	18 litre / 1000 kPa	1M1V3-15-18
VM5-8	1.5	18 litre / 1000 kPa	1M1V5-8-18
VM5-10	2.2	18 litre / 1000 kPa	1M1V5-10-18
VM10-6	2.2	18 litre / 1000 kPa	1M1V10-6-18



MONSOON LITE

VARIABLE SPEED SINGLE PUMP WITH DRIVE - THREE PHASE

PG - 2009

- Fully integrated Davey single VM pump for incoming three phase 415V supply fitted with on-pump variable speed drive system specifically programmed for each model

Tested in compliance with
AS/NZS 4020 for use in contact with safe drinking water

Model	kW(P ₂)	Part No.
VM3-15/3	1.5	VM3-15/3ML
VM3-17/3	1.5	VM3-17/3ML
VM5-7/3	1.5	VM5-7/3ML
VM5-8/3	1.5	VM5-8/3ML
VM5-10/3	2.2	VM5-10/3ML
VM5-12/3	3	VM5-12/3ML
VM5-14/3	3	VM5-14/3ML
VM5-16/3	3	VM5-16/3ML
VM10-4/3	1.5	VM10-4/3ML
VM10-5/3	2.2	VM10-5/3ML
VM10-6/3	2.2	VM10-6/3ML
VM10-7/3	3	VM10-7/3ML
VM10-8/3	3	VM10-8/3ML
VM10-9/3	4	VM10-9/3ML
VM10-10/3	4	VM10-10/3ML
VM16-2/3	2.2	VM16-2/3ML
VM16-3/3	3	VM16-3/3ML
VM16-4/3	4	VM16-4/3ML
VM16-5/3	5.5	VM16-5/3ML
VM16-6/3	5.5	VM16-6/3ML
VM16-8/3	7.5	VM16-8/3ML
VM32-2A/3	3	VM32-2A/3ML
VM32-3/3	5.5	VM32-3/3ML
VM32-4/3	7.5	VM32-4/3ML
VM32-5/3	11	VM32-5/3ML
VM32-6/3	11	VM32-6/3ML

END SUCTION PUMPS

DIESEL POWERED PUMPING SYSTEMS

GROUNDWATER

VERTICAL MULTISTAGE PUMPS

Variable Speed Pump Sets



MONSOON COMPACT 1V VARIABLE SPEED SINGLE PUMP SETS - THREE PHASE

PG - 2009

Tested in compliance with
AS/NZS 4020 for use in contact with safe drinking water

Model	KW(P ₂)	Part No.
VM3-15/3	1.5	1MLV3-15/3-18
VM3-17/3	1.5	1MLV3-17/3-18HP
VM5-7/3	1.5	1MLV5-7/3-18
VM5-8/3	1.5	1MLV5-8/3-18
VM5-10/3	2.2	1MLV5-10/3-18
VM5-12/3	3	1MLV5-12/3-18HP
VM5-14/3	3	1MLV5-14/3-18HP
VM5-16/3	3	1MLV5-16/3-18HP
VM10-4/3	1.5	1MLV10-4/3-18
VM10-5/3	2.2	1MLV10-5/3-18
VM10-6/3	2.2	1MLV10-6/3-18
VM10-7/3	3	1MLV10-7/3-18
VM10-8/3	3	1MLV10-8/3-18
VM10-9/3	4	1MLV10-9/3-18
VM10-10/3	4	1MLV10-10/3-18HP
VM16-2/3	2.2	1MLV16-2/3-60
VM16-3/3	3	1MLV16-3/3-60
VM16-4/3	4	1MLV16-4/3-60
VM16-5/3	5.5	1MLV16-5/3-60
VM16-6/3	5.5	1MLV16-6/3-60
VM16-8/3	7.5	1MLV16-8/3-80HP
VM32-2A/3	3	1MLV32-2A/3-60
VM32-3/3	5.5	1MLV32-3/3-60
VM32-4/3	7.5	1MLV32-4/3-60
VM32-5/3	11	1MLV32-5/3-60
VM32-6/3	11	1MLV32-6/3-80HP

*Tank size is included in the part number, "-18" denotes 24018P, "-18HP" denotes 24018PHP16, "-60" denotes 24060P, "-80HP" denotes 24080HP



MONSOON VARIABLE SPEED DRIVE

PG - 2009

- Complete with 0-25 bar transducer, 2 metre pressure tube and fitting, back-up battery, Davey I&O & programming
- Suitable for Davey VM, CS and CM pump ranges

Note: See pages 64 and 75 for more information on the Monsoon Variable Speed Drive

Part No.	Part No.	Part No.	Part No.
MC1-1	MC5-5	MC22	MC75
MC1-5	MC7-5	MC30	MC90
MC2-2	MC11	MC37	MC110
MC3	MC15	MC45	MC132
MC4	MC18.5	MC55	

Models listed are a guide to the Davey product offering. Special build systems are also available tailored to required duty requirements.



VM PRESSURE SWITCH SYSTEMS

- Base mounted vertical multistage centrifugal pump with stainless steel hydraulic components
- Suitable for pumping clean, non aggressive liquids for high pressure and high flow
- Supplied complete on a base with VM pump, pressure switch, pressure tank and isolating valves
- 100P models have a free standing tank beside base

PG - 2006

Tested in compliance with
AS/NZS 4020
 for use in contact with safe drinking water

Model No.	Description	kW (P ₂)	Inlet/Outlet	Max. Flow
Single Pump single phase (3* or 4* denotes 3kW or 4kW motor is 480V single phase)				
VM3-8-100	VM3-8 with 100P tank	0.75	1¼"(F) / 1¼"(F)	66 lpm
VM3-12-18	VM3-12 with 18P tank	1.1	1¼"(F) / 1¼"(F)	66 lpm
VM3-12-100	VM3-12 with 100P tank	1.1	1¼"(F) / 1¼"(F)	66 lpm
VM3-15-18	VM3-15 with 18P tank	1.1	1¼"(F) / 1¼"(F)	66 lpm
VM3-15-100	VM3-15 with 100P tank	1.5	1¼"(F) / 1¼"(F)	66 lpm
VM3-23-18	VM3-23 with 18P tank	1.5	1¼"(F) / 1¼"(F)	66 lpm
VM5-5-100	VM5-5 with 100P tank	1.1	1¼"(F) / 1¼"(F)	133 lpm
VM5-7-18	VM5-7 with 18P tank	1.5	1¼"(F) / 1¼"(F)	133 lpm
VM5-8-18	VM5-8 with 18P tank	1.5	1¼"(F) / 1¼"(F)	133 lpm
VM5-8-100	VM5-8 with 100P tank	1.5	1¼"(F) / 1¼"(F)	133 lpm
VM5-10-18	VM5-10 with 18P tank	2.2	1¼"(F) / 1¼"(F)	133 lpm
VM5-10-100	VM5-10 with 100P tank	2.2	1¼"(F) / 1¼"(F)	133 lpm
VM5-12-18	VM5-12 with 18P tank	3*	1¼"(F) / 1¼"(F)	133 lpm
VM5-14-18	VM5-14 with 18P tank	3*	1¼"(F) / 1¼"(F)	133 lpm
VM5-16-18	VM5-16 with 18P tank	3*	1¼"(F) / 1¼"(F)	133 lpm
VM10-4-100	VM10-4 with 100P tank	1.5	1½"(F) / 1½"(F)	200 lpm
VM10-5-18	VM10-5 with 18P tank	2.2	1½"(F) / 1½"(F)	200 lpm
VM10-5-100	VM10-5 with 100P tank	2.2	1½"(F) / 1½"(F)	200 lpm
VM10-6-100	VM10-6 with 100P tank	2.2	1½"(F) / 1½"(F)	200 lpm
VM10-6-18	VM10-6 with 18P tank	2.2	1½"(F) / 1½"(F)	200 lpm
VM10-8-18	VM10-8 with 18P tank	3*	1½"(F) / 1½"(F)	200 lpm
VM10-8-100	VM10-8 with 100P tank	3*	1½"(F) / 1½"(F)	200 lpm
Single Pump three phase - appropriate magnetic contactor/starter required				
VM3-8/3-18	VM3-8/3 with 18P tank	0.75	1¼"(F) / 1¼"(F)	66 lpm
VM3-8/3-100	VM3-8/3 with 100P tank	0.75	1¼"(F) / 1¼"(F)	66 lpm
VM3-12/3-18	VM3-12/3 with 18P tank	1.1	1¼"(F) / 1¼"(F)	66 lpm
VM3-12/3-100	VM3-12/3 with 100P tank	1.1	1¼"(F) / 1¼"(F)	66 lpm
VM3-15/3-18	VM3-15/3 with 18P tank	1.5	1¼"(F) / 1¼"(F)	66 lpm
VM3-15/3-100	VM3-15/3 with 100P tank	1.5	1¼"(F) / 1¼"(F)	66 lpm
VM3-19/3-18	VM3-19/3 with 18P tank	2.2	1¼"(F) / 1¼"(F)	66 lpm
VM5-5/3-100	VM5-5/3 with 100P tank	1.1	1¼"(F) / 1¼"(F)	133 lpm
VM5-7/3-100	VM5-7/3 with 100P tank	1.5	1¼"(F) / 1¼"(F)	133 lpm
VM5-8/3-18	VM5-8/3 with 18P tank	1.5	1¼"(F) / 1¼"(F)	133 lpm
VM5-8/3-100	VM5-8/3 with 100P tank	1.5	1¼"(F) / 1¼"(F)	133 lpm
VM5-10/3-18	VM5-10/3 with 18P tank	2.2	1¼"(F) / 1¼"(F)	133 lpm
VM5-10/3-100	VM5-10/3 with 100P tank	2.2	1¼"(F) / 1¼"(F)	133 lpm
VM5-12/3-18	VM5-12/3 with 18P tank	3	1¼"(F) / 1¼"(F)	133 lpm
VM5-16/3-18	VM5-16/3 with 18P tank	3	1¼"(F) / 1¼"(F)	133 lpm
VM10-4/3-18	VM10-4/3 with 18P tank	1.5	1½"(F) / 1½"(F)	200 lpm
VM10-4/3-100	VM10-4/3 with 100P tank	1.5	1½"(F) / 1½"(F)	200 lpm
VM10-6/3-18	VM10-6/3 with 18P tank	2.2	1½"(F) / 1½"(F)	200 lpm
VM10-6/3-100	VM10-6/3 with 100P tank	2.2	1½"(F) / 1½"(F)	200 lpm
VM10-8/3-18	VM10-8/3 with 18P tank	3	1½"(F) / 1½"(F)	200 lpm
VM10-8/3-100	VM10-8/3 with 100P tank	3	1½"(F) / 1½"(F)	200 lpm
VM10-10/3-18	VM10-10/3 with 18P tank	4	1½"(F) / 1½"(F)	200 lpm
VM10-10/3-100	VM10-10/3 with 100P tank	4	1½"(F) / 1½"(F)	200 lpm
VM10-14/3-18	VM10-14/3 with 18P tank	5.5	1½"(F) / 1½"(F)	200 lpm
VM16-2/3-100	VM16-2/3 with 100P tank	2.2	2"(F) / 2"(F)	366 lpm
VM16-3/3-100	VM16-3/3 with 100P tank	3	2"(F) / 2"(F)	366 lpm
VM16-4/3-100	VM16-4/3 with 100P tank	4	2"(F) / 2"(F)	366 lpm
VM16-5/3-100	VM16-5/3 with 100P tank	5.5	2"(F) / 2"(F)	366 lpm
VM16-6/3-100	VM16-6/3 with 100P tank	5.5	2"(F) / 2"(F)	366 lpm
VM32-2A/3-100	VM32-2A/3 with 100P tank	3	2½"(F) / 2½"(F)	666 lpm
VM32-3/3-100	VM32-3/3 with 100P tank	5.5	2½"(F) / 2½"(F)	666 lpm
VM32-4/3-100	VM32-4/3 with 100P tank	7.5	2½"(F) / 2½"(F)	666 lpm



Fixed Speed Pump Sets

VERTICAL MULTISTAGE PUMPS

COMMERCIAL PUMP SETS

END SUCTION PUMPS

DIESEL POWERED PUMPING SYSTEMS

GROUNDWATER



RVM SINGLE PUMP FIXED SPEED PUMP SETS

PG - 2006

- > Davey RVM single pump, fixed speed packaged systems incorporate VM pump and pressure vessel on base
- > Flow rates up to 367 lpm or 22m³/hr and matched to pumps up to 5.5kW in size. Available in single or three phase
- > Ideal for when flow demand is reasonably stable
- > 100P models have a free standing tank beside base

Tested in compliance with
AS/NZS 4020 for use in contact with safe drinking water

Pressure Switch Systems – Single Pump Systems

Model	kW(P ₂)	Tank	1 x 240V 50Hz	3 x 415V 50Hz
			Part No.	Part No.
VM3-8	0.75	18 litre / 1000 kPa	RVM3-8-18L	RVM3-8/3-24+L
	0.75	100 litre / 1000 kPa	RVM3-8-105-L	RVM3-8/3-105-L
VM3-12	1.1	18 litre / 1000 kPa	RVM3-12-18L	RVM3-12/3-24+L
	1.1	100 litre / 1000 kPa	RVM3-12-105-L	RVM3-12/3-105-L
VM3-15	1.5	100 litre / 1000 kPa	RVM3-15-105-L	RVM3-15/3-105-L
VM3-17	1.5	18 litre / 1600 kPa	RVM3-17-18L	
VM3-19	2.2	18 litre / 1600 kPa	RVM3-19-18L	RVM3-19/3-24+L
VM5-5	1.1	18 litre / 1000 kPa	RVM5-5-18L	RVM5-5/3-24+L
	1.1	100 litre / 1000 kPa	RVM5-5-100L	RVM5-5/3-105-L
VM5-7	1.5	18 litre / 1000 kPa	RVM5-7-18L	
	1.5	100 litre / 1000 kPa	RVM5-7-100L	
VM5-8	1.5	18 litre / 1000 kPa	RVM5-8-18L	RVM5-8/3-24+L
	1.5	100 litre / 1000 kPa	RVM5-8-100L	RVM5-8/3-105-L
VM5-10	2.2	18 litre / 1000 kPa	RVM5-10-18L	RVM5-10/3-24+L
	2.2	100 litre / 1000 kPa	RVM5-10-100L	RVM5-10/3-100L
VM5-12	3 [#]	18 litre / 1000 kPa	RVM5-12-24+L	RVM5-12/3-24+L
VM5-16	3 [#]	18 litre / 1000 kPa	RVM5-16-24+L	RVM5-16/3-24+L
VM10-4	1.5	18 litre / 1000 kPa	RVM10-4-18L	RVM10-4/3-24+L
	1.5	100 litre / 1000 kPa	RVM10-4-100L	RVM10-4/3-105-L
VM10-5	2.2	18 litre / 1000 kPa	RVM10-5-18L	
	2.2	100 litre / 1000 kPa	RVM10-5-100L	RVM10-5/3-100L
VM10-6	2.2	18 litre / 1000 kPa	RVM10-6-18L	RVM10-6/3-24+L
	2.2	100 litre / 1000 kPa	RVM10-6-100L	RVM10-6/3-100L
VM10-8	3 [#]	18 litre / 1000 kPa	RVM10-8-24+L	RVM10-8/3-24+L
	3 [#]	100 litre / 1000 kPa	RVM10-8-105-L	RVM10-8/3-105-L
VM10-10	4 [#]	18 litre / 1000 kPa	RVM10-10-24+L	RVM10-10/3-24+L
	4 [#]	100 litre / 1000 kPa	RVM10-10-105-L	RVM10-10/3-105-L
VM10-14	5.5*	18 litre / 1000 kPa		RVM10-14/3-24+L
VM16-2	2.2	100 litre / 1000 kPa		RVM16-2/3-105-L
VM16-3	3	100 litre / 1000 kPa		RVM16-3/3-105-L
VM16-4	4	100 litre / 1000 kPa		RVM16-4/3-100L
VM16-5	5.5*	100 litre / 1000 kPa		RVM16-5/3-100L
VM16-6	5.5*	100 litre / 1000 kPa		RVM16-6/3-100L
VM32-2A	3	100 litre / 1000 kPa		RVM32-2A/3-105-L
VM32-3	5.5*	100 litre / 1000 kPa		RVM32-3/3-105-L
VM32-4	7.5*	100 litre / 1000 kPa		RVM32-4/3-105-L

* DOL models only. Local power authorities may require soft starter for this size pump. See soft start options on following page

3kW & 4kW single phase models are 480V single phase only

Models listed are a guide to the Davey product offering. Special build systems are also available tailored to required duty requirements.

Fixed Speed Pump Sets



RVM WITH LOSS OF PRIME CONTROL BOX & SOFT STARTERS WITH SUPERCELL 100L TANK

LOP Control Box & Soft Starters – Single Pump Systems

Model	kW(P ₂)	Tank	Part No.
VM16-6	5.5	100 litre / 1000 kPa	RVM16-6/3-105-LS
VM32-3	5.5	100 litre / 1000 kPa	RVM32-3/3-105-LS
VM32-4	7.5	100 litre / 1000 kPa	RVM32-4/3-105-LS

Tested in compliance with
AS/NZS 4020

PG - 2006

3 x 415V 50Hz

RVM WITH REMOTE START/LOSS OF PRIME CONTROL BOX WITH SUPERCELL 18L TANK

Remote Start/LOP Pressure Switch Systems – Single Pump Systems

Model	kW(P ₂)	Tank	Part No.
VM3-8	0.75	18 litre / 1000 kPa	RVM3-8/3-LR
VM3-12	1.1	18 litre / 1000 kPa	RVM3-12/3-LR
VM5-5	1.1	18 litre / 1000 kPa	RVM5-5/3-LR
VM5-8	1.5	18 litre / 1000 kPa	RVM5-8/3-LR
VM5-10	2.2	18 litre / 1000 kPa	RVM5-10/3-LR
VM5-12	3	18 litre / 1000 kPa	RVM5-12/3-LR
VM5-16	3	18 litre / 1000 kPa	RVM5-16/3-LR
VM10-4	1.5	18 litre / 1000 kPa	RVM10-4/3-LR
VM10-6	2.2	18 litre / 1000 kPa	RVM10-6/3-LR
VM10-8	3	18 litre / 1000 kPa	RVM10-8/3-LR
VM10-10	4	18 litre / 1000 kPa	RVM10-10/3-LR
VM10-14	5.5*	18 litre / 1000 kPa	RVM10-14/3-LR
VM16-2	2.2	18 litre / 1000 kPa	RVM16-2/3-LR
VM16-3	3	18 litre / 1000 kPa	RVM16-3/3-LR
VM16-4	4	18 litre / 1000 kPa	RVM16-4/3-LR
VM16-6	5.5*	18 litre / 1000 kPa	RVM16-6/3-LR
VM32-2A	3	18 litre / 1000 kPa	RVM32-2A/3-LR
VM32-3	5.5*	18 litre / 1000 kPa	RVM32-3/3-LR
VM32-4	7.5*	18 litre / 1000 kPa	RVM32-4/3-LR

Tested in compliance with
AS/NZS 4020

PG - 2006

3 x 415V 50Hz

RVM WITH REMOTE START/LOSS OF PRIME CONTROL BOX, SOFT STARTERS WITH SUPERCELL 18L TANK

Remote Start LOP Control Box & Soft Starters – Single Pump Systems

Model	kW(P ₂)	Tank	Part No.
VM16-6	5.5	18 litre / 1000 kPa	RVM16-6/3-LSR
VM32-3	5.5	18 litre / 1000 kPa	RVM32-3/3-LSR
VM32-4	7.5	18 litre / 1000 kPa	RVM32-4/3-LSR

Tested in compliance with
AS/NZS 4020

PG - 2006

3 x 415V 50Hz

Models listed are a guide to the Davey product offering. Special build systems are also available tailored to required duty requirements.

VERTICAL MULTISTAGE PUMPS

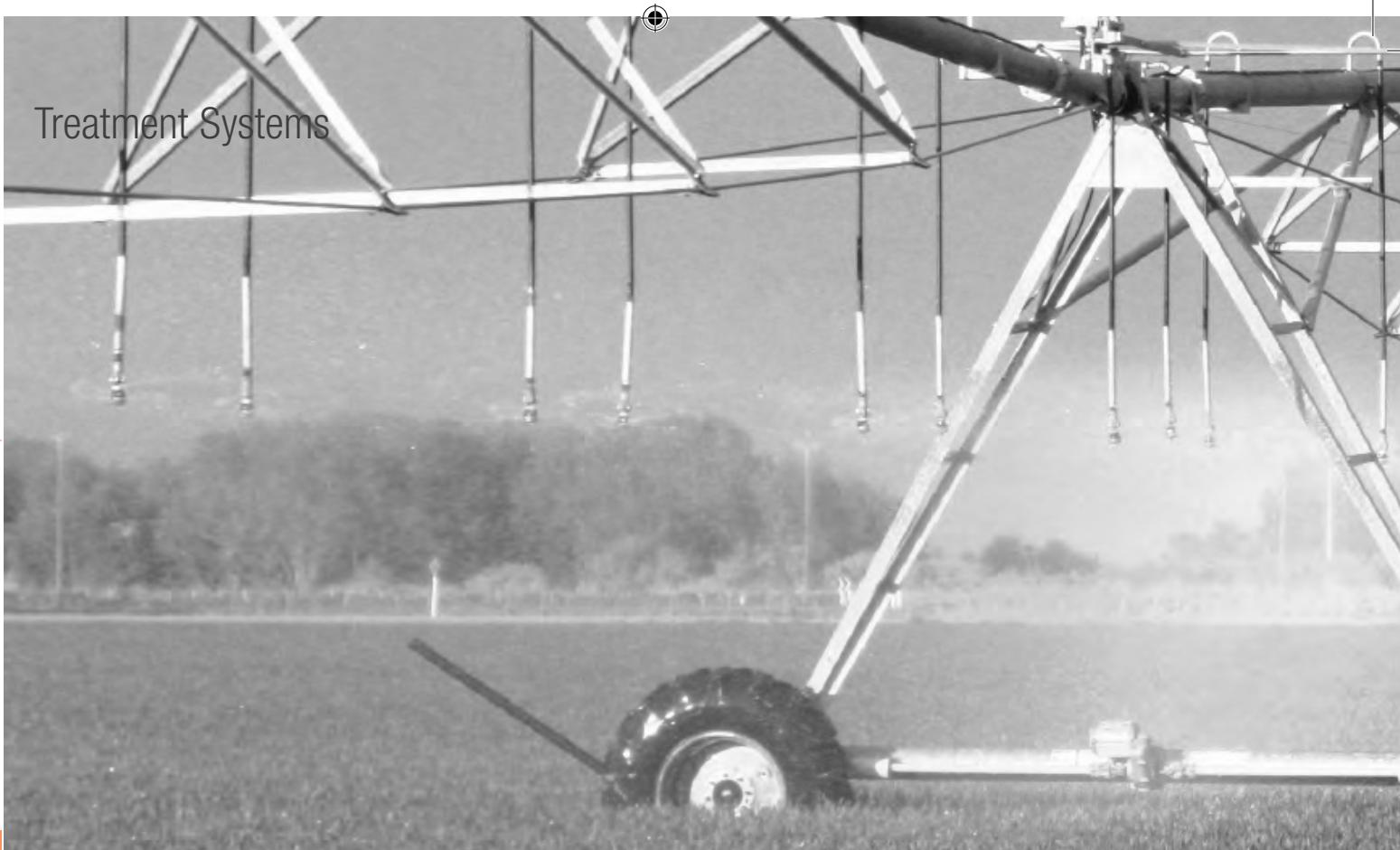
COMMERCIAL PUMP SETS

END SUCTION PUMPS

DIESEL POWERED PUMPING SYSTEMS

GROUNDWATER

Treatment Systems





END SUCTION PUMPS

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Dulux Armourspray



DULUX ARMOURSPRAY

PG - 2035

ARMOURSPRAY®

- Ideal for providing protection to ISOspec pumps in commercial swimming pool applications
- The fusion bonded epoxy powder coating is an exceptionally tough film that provides excellent coverage of protected metals
- The option has high chemical resistance, is resistant to corrosion and is suitable for many applications
- No solvents are used in the process resulting in no harmful emissions. This means less waste and pollution to the environment

Part No.	Description	ISOspec Module
M1A	Dulux Armourspray VC Gloss	Suits ISOspec pumps built with Module 1
M2A	Dulux Armourspray VC Gloss	Suits ISOspec pumps built with Module 2
M3A	Dulux Armourspray VC Gloss	Suits ISOspec pumps built with Module 3
M4A	Dulux Armourspray VC Gloss	Suits ISOspec pumps built with Module 4

CS End Suction Pumps



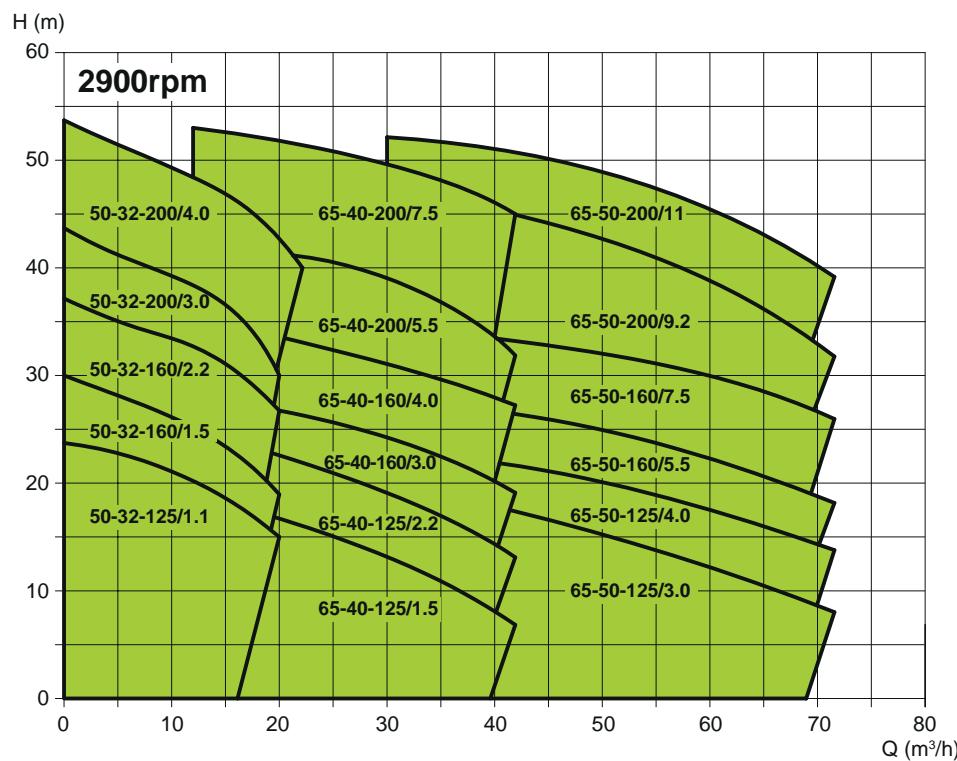
CS SERIES

PG - 2025

- Davey CS Series are a 304 pressed stainless design, close coupled to a standard frame and mounted on a stainless base
- Ideal for clean water applications up to 110°C with heads to 58 metres and flow rates up to 70m³/hr
- The back pull out design allows for easy servicing without the need to disconnect pipework
- All pumps include stainless steel screwed counter flanges with gaskets, bolts and washers
- Single phase motors up to 2.2kW are 240V and incorporate thermal overload

Part No.	Model	kW (P ₂)
Single Phase Motors		
CS32125-1.1	CS50x32-125	1.1
CS32160-1.5	CS50x32-160	1.5
CS32160-2.2	CS50x32-160	2.2
Three Phase Motors		
CS32125-1.1/3	CS50x32-125	1.1
CS32160-1.5/3	CS50x32-160	1.5
CS32160-2.2/3	CS50x32-160	2.2
CS32200-3.0/3	CS50x32-200	3.0
CS32200-4.0/3	CS50x32-200	4.0
CS40125-1.5/3	CS65x40-125	1.5
CS40125-2.2/3	CS65x40-125	2.2
CS40160-3.0/3	CS65x40-160	3.0
CS40160-4.0/3	CS65x40-160	4.0
CS40200-5.5/3	CS65x40-200	5.5
CS40200-7.5/3	CS65x40-200	7.5
CS50125-3.0/3	CS65x50-125	3.0
CS50125-4.0/3	CS65x50-125	4.0
CS50160-5.5/3	CS65x50-160	5.5
CS50160-7.5/3	CS65x50-160	7.5
CS50200-9.2/3	CS65x50-200	9.2
CS50200-11/3	CS65x50-200	11.0

2900rpm PERFORMANCE



ISOspec End Suction Pumps



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ISOspec DAVEY

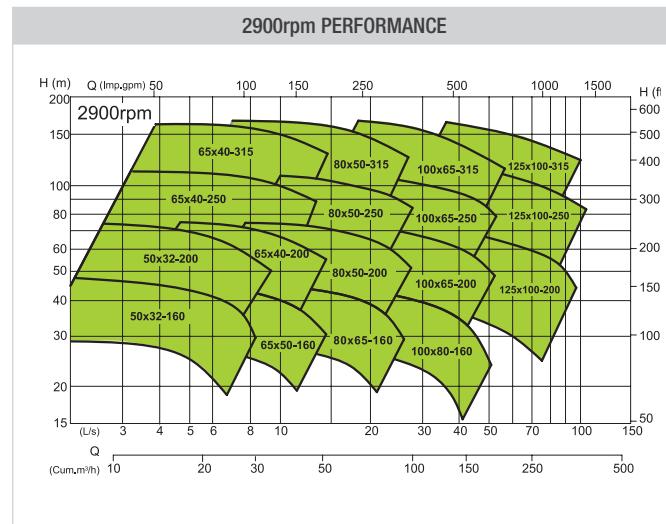
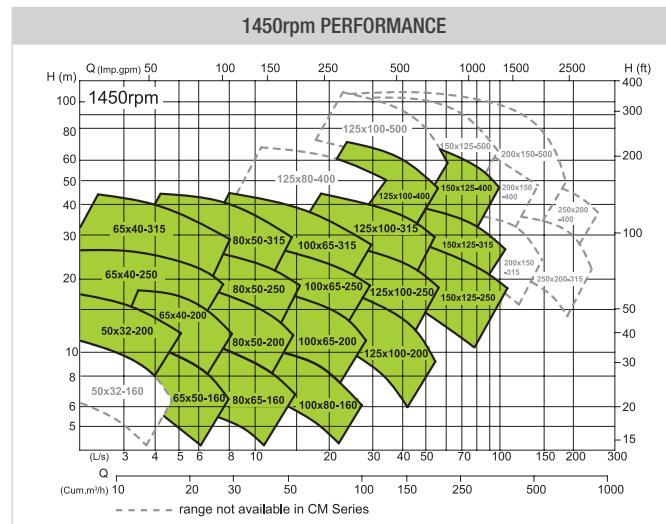
CM SERIES MOTOR PUMPS

- > Davey ISOspec are heavy duty, industrial, centrifugal pumps
- > Sturdy and reliable, they are long lasting with high performance
- > Handle flow rates up to 375m³/hr flow rate
- > '1' models are 240/480V single phase
- > All motors are 3 Phase, 415v, IP55, TEFC, complying to MEPS AS/NZS 1359.5.2000.
- > Maximum water temperature for standard mechanical seal is 95°C
- > For higher temperature mechanical seals refer page 86
- > Standard mechanical seal fitted: Carbon/Silicon Carbide/Nitrile

Model	Motor kW (P ₂)	Speed Pole	Optional Base Code	Module	Impeller Size (mm)	CI-BR-316SS Part No.	CI-SS-316SS Part No.
CM50x32-160	3	2	A	1	153	CM32160B03	CM32160J03
	4	2	A	1	173	CM32160B04	CM32160J04
	5.5	2	B	1	182	CM32160B05	CM32160J05
CM50x32-200	1.1	4	A	1	226	CM32200B01	CM32200J01
	1.5	4	A	1	228	CM32200B015	
	5.5	2	A	1	193	CM32200B05	CM32200J05
	7.5	2	B	1	214	CM32200B07	CM32200J07
	11	2	B	1	228	CM32200B11	CM32200J11
CM65x50-160	1.1	4	A	1	182	CM50160B01	CM50160J01
	4	2	A	1	153	CM50160B04	CM50160J04
	5.5	2	B	1	172	CM50160B05	CM50160J05
	7.5	2	B	1	182	CM50160B07	CM50160J07
CM65x40-200	1.1	4	A	1	194	CM40200B01	CM40200J01
	1.5	4	A	1	214	CM40200B015	CM40200J015
	1.5	4	A	1	214	CM40200B015/1	
	2.2	4	A	1	228	CM40200B02	CM40200J02
	7.5	2	B	1	190	CM40200B07	CM40200J07
	7.5	2	B	1	190	CM40200B07/1	
	11	2	C	1	216	CM40200B11	CM40200J11
	15	2	C	1	228	CM40200B15	CM40200J15

OPERATING LIMITS	
Maximum flow	375m ³ /hr
Maximum head	160m
Liquid temperature	-15 to 110°C
Max. Casing Pressure	16 Bar

CONSTRUCTION			
	Body	Impeller	Shaft
B Suffix	Cast Iron	Bronze	Stainless Steel 316
J Suffix	Cast Iron	Stainless Steel 316	Stainless Steel 316
JJ Suffix	Stainless Steel 316	Stainless Steel 316	Stainless Steel 316





ISOspec End Suction Pumps

VERTICAL MULTISTAGE PUMPS

COMMERCIAL PUMP SETS

END SUCTION PUMPS

DIESEL POWERED PUMPING SYSTEMS

GROUNDWATER

Continued...

PG - 2028

Model	Motor kW (P ₂)	Speed Pole	Optional Base Code	Module	Impeller Size (mm)	CI-BR-316SS Part No.	CI-SS-316SS Part No.
CM65x40-250	1.5	4	A	2	222	CM40250B015	CM40250J015
	2.2	4	A	2	250	CM40250B02	CM40250J02
	3	4	A	2	273	CM40250B03	CM40250J03
	15	2	C	2	239	CM40250B15	CM40250J15
	18.5	2	C	2	258	CM40250B18	CM40250J18
	22	2	C	2	270	CM40250B22	CM40250J22
	30	2	D	2	278	CM40250B30	CM40250J30
CM65x40-315	3	4	B	2	2875	CM40315B03	CM40315J03
	4	4	B	2	310	CM40315B04	CM40315J04
	5.5	4	B	2	337	CM40315B05	CM40315J05
	22	2	D	2	274	CM40315B22	CM40315J22
	30	2	D	2	295	CM40315B30	CM40315J30
	37	2	D	2	315	CM40315B37	CM40315J37
	45	2	D	2	331	CM40315B45	CM40315J45
	55	2	D	2	342	CM40315B55	CM40315J55
CM80x65-160	1	4	A	1	167	CM65160B01	CM65160J01
	1.5	4	A	1	182	CM65160B015	CM65160J015
	7.5	2	B	1	157	CM65160B07	CM65160J07
	7.5	2	C	1	157	CM65160B07/1	
	11	2	C	1	173	CM65160B11	CM65160J11
	15	2	C	1	182	CM65160B15	CM65160J15
CM80x50-200	1.5	4	A	1	195	CM50200B015	CM50200J015
	2.2	4	A	1	213	CM50200B02	CM50200J02
	3	4	A	1	228	CM50200B03	CM50200J03
	11	2	C	1	185	CM50200B11	CM50200J11
	15	2	C	1	203	CM50200B15	CM50200J15
	18.5	2	C	1	218	CM50200B18	CM50200J18
	22	2	C	1	226	CM50200B22	CM50200J22
CM80x50-250	3	4	B	2	231	CM50250B03	CM50250J03
	4	4	B	2	254	CM50250B04	CM50250J04
	5.5	4	B	2	278	CM50250B05	CM50250J05
	22	2	C	2	225	CM50250B22	CM50250J22
	30	2	D	2	247	CM50250B30	CM50250J30
	37	2	D	2	266	CM50250B37	CM50250J37
	45	2	D	2	278	CM50250B45	CM50250J45
CM80x50-315	4	4	B	2	274	CM50315B04	CM50315J04
	5.5	4	B	2	302	CM50315B05	CM50315J05
	7.5	4	C	2	328	CM50315B07	CM50315J07
	11	4	C	2	342	CM50315B11	CM50315J11
	30	2	D	2	274	CM50315B30	CM50315J30
	37	2	D	2	293	CM50315B37	CM50315J37
	45	2	D	2	310	CM50315B45	CM50315J45
	55	2	E	2	327	CM50315B55	CM50315J55
	75	2	F	2	342	CM50315B75	CM50315J75
CM100x80-160	1.5	4	A	2	163	CM80160B015	CM80160J015
	2.2	4	A	2	176	CM80160B02	CM80160J02
	3	4	A	2	182	CM80160B03	CM80160J03
	11	2	C	2	153	CM80160B11	CM80160J11
	15	2	C	2	168	CM80160B15	CM80160J15
	18.5	2	C	2	179	CM80160B18	CM80160J18
CM100x65-200	3	4	A	2	191	CM65200B03	CM65200J03
	4	4	B	2	210	CM65200B04	CM65200J04
	5.5	4	B	2	228	CM65200B05	CM65200J05
	22	2	C	2	193	CM65200B22	CM65200J22
	30	2	D	2	212	CM65200B30	CM65200J30
	37	2	D	2	228	CM65200B37	CM65200J37

ISOspec End Suction Pumps



Continued...

PG - 2028

Model	Motor kW (P ₂)	Speed Pole	Optional Base Code	Module	Impeller Size (mm)	CI-BR-316SS Part No.	CI-SS-316SS Part No.
CM100x65-250	5.5	4	B	2	234	CM65250B05	CM65250J05
	7.5	4	C	2	266	CM65250B07	CM65250J07
	37	2	D	2	235	CM65250B37	CM65250J37
	45	2	D	2	252	CM65250B45	CM65250J45
	55	2	E	2	268	CM65250B55	CM65250J55
	75	2	F	2	278	CM65250B75	CM65250J75
CM100x65-315	7.5	4	C	3	274	CM65315B07	CM65315J07
	11	4	C	3	309	CM65315B11	CM65315J11
	15	4	C	3	334	CM65315B15	CM65315J15
	18.5	4	C	3	342	CM65315B18	CM65315J18
	55	2	E	3	276	CM65315B55	CM65315J55
	75	2	F	3	296	CM65315B75	CM65315J75
	90	2	F	3	311	CM65315B90	CM65315J90
	110	2	F	3	328	CM65315B110	CM65315J110
CM125x100-200	4	4	B	2	191	CM100200B04	CM100200J04
	5.5	4	B	2	209	CM100200B05	CM100200J05
	7.5	4	C	2	226	CM100200B07	CM100200J07
	30	2	D	2	182	CM100200B30	CM100200J30
	37	2	D	2	195	CM100200B37	CM100200J37
	45	2	D	2	205	CM100200B45	CM100200J45
	55	2	E	2	218	CM100200B55	CM100200J55
	75	2	F	2	228	CM100200B75	CM100200J75
CM125x100-250	11	4	C	3	243	CM100250B11	CM100250J11
	15	4	D	3	272	CM100250B15	CM100250J15
	55	2	F	3	224	CM100250B55	CM100250J55
	75	2	F	3	246	CM100250B75	CM100250J75
	90	2	F	3	258	CM100250B90	CM100250J90
	110	2	F	3	272	CM100250B110	CM100250J110
CM125x100-315	11	4	C	3	275	CM100315B11	CM100315J11
	15	4	D	3	302	CM100315B15	CM100315J15
	18.5	4	D	3	320	CM100315B18	CM100315J18
	22	4	D	3	336	CM100315B22	CM100315J22
	90	2	F	3	274	CM100315B90	CM100315J90
	110	2	F	3	289	CM100315B110	CM100315J110
CM125x100-400	22	4	D	3	350	CM100400B22	CM100400J22
	30	4	D	3	383	CM100400B30	CM100400J30
	37	4	E	3	407	CM100400B37	CM100400J37
	45	4	E	3	429	CM100400B45	CM100400J45
CM150x125-250	11	4	C	3	235	CM125250B11	CM125250J11
	15	4	D	3	256	CM125250B15	CM125250J15
	18.5	4	D	3	270	CM125250B18	CM125250J18
	22	4	D	3	278	CM125250B22	CM125250J22
CM150x125-315	18.5	4	D	3	274	CM125315B18	CM125315J18
	22	4	D	3	288	CM125315B22	CM125315J22
	30	4	D	3	320	CM125315B30	CM125315J30
	37	4	E	3	342	CM125315B37	CM125315J37
CM150x125-400	45	4	F	3	350	CM125400B45	CM125400J45
	55	4	F	3	380	CM125400B55	CM125400J55
	75	4	F	3	438	CM125400B75	CM125400J75

VERTICAL MULTISTAGE PUMPS

COMMERCIAL PUMP SETS

END SUCTION PUMPS

DIESEL POWERED PUMPING SYSTEMS

GROUNDWATER



ISOspec End Suction Pumps

PG - 2028

ISOSPEC CM SERIES – JJ

Model	Motor KW (P ₂)	Speed Pole	Optional Base Code	Module	Impeller Size (mm)	All 316SS Part No.
CM50x32-160	4	2	A	1	173	CM32160JJ04
CM50x32-200	1.1	4	A	1	226	CM32200JJ01
CM65x50-160	5.5	4	B	1	172	CM50160JJ05
CM65x40-200	1.1	4	A	1	194	CM40200JJ01
	1.5	4	A	1	214	CM40200JJ015
	2.2	4	A	1	228	CM40200JJ02
CM65x40-250	2.2	4	A	2	250	CM40250JJ02
CM80x65-160	7.5	2	B	1	157	CM65160JJ07
CM80x50-200	2.2	4	A	1	213	CM50200JJ02
CM80x50-250	5.5	4	B	2	278	CM50250JJ05
CM100x65-200	3	4	A	2	191	CM65200JJ03
	4	4	B	2	210	CM65200JJ04
	5.5	4	B	2	228	CM65200JJ05
CM100x65-250	5.5	4	B	2	234	CM65250JJ05
	7.5	4	C	2	266	CM65250JJ07
CM100x65-315	11	4	C	3	309	CM65315JJ11
CM125x100-200	7.5	4	C	2	226	CM100200JJ07
CM125x100-250	11	4	C	3	243	CM100250JJ11
	15	4	D	3	272	CM100250JJ15
CM150x125-250	11	4	C	3	235	CM125250JJ11
	15	4	D	3	256	CM125250JJ15
	18.5	4	D	3	270	CM125250JJ18

Note: For more available models please contact the Davey Support Centre.



ISO^{DAVEY}
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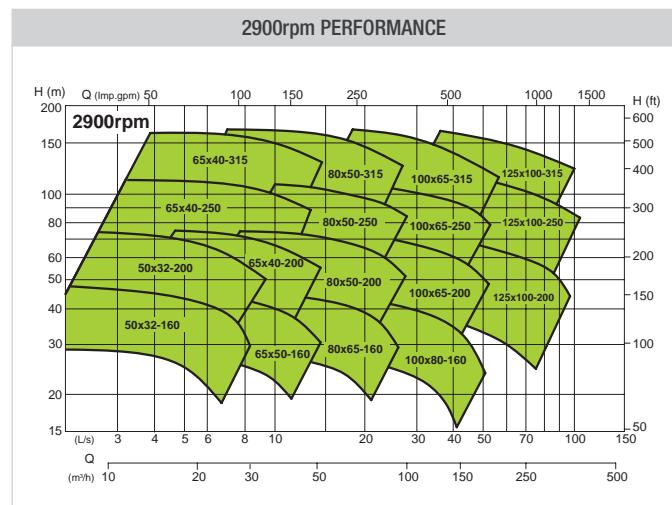
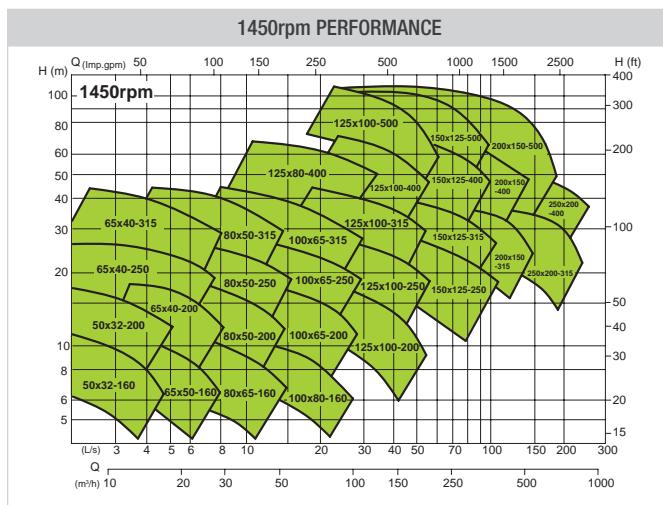
PG - 2029

CF SERIES BARESHAFT PUMPS

- Davey ISOspec bareshaft pumps are heavy duty, industrial, centrifugal pumps
- Sturdy and reliable, they are long lasting with high performance
- Handle flow rates up to 900m³/hr flow rate
- Standard mechanical seal fitted: Carbon/Silicon Carbide/Nitrile
- Maximum water temperature for standard mechanical seal is 95°C
- For higher temperature mechanical seals refer page 86

OPERATING LIMITS	
Maximum flow	900m ³ /hr
Maximum head	160m
Liquid temperature	-15 to 110°C
Max. Casing Pressure	16 Bar

CONSTRUCTION			
	Body	Impeller	Shaft
B Suffix	Cast Iron	Bronze	Stainless Steel 420
J Suffix	Cast Iron	Stainless Steel 316	Stainless Steel 420
JJ Suffix	Stainless Steel 316	Stainless Steel 316	Stainless Steel 316



ISOspec End Suction Pumps



PG - 2029

ISOSPEC CF SERIES

Model	Module	Standard Impeller Size (mm)	CI-BR-SS420 Part No.	CI-SS316-SS420 Part No.
CF 50x32-160	1	182	CF32160B	CF32160J
CF 50x32-200	1	228	CF32200B	CF32200J
CF 65x50-160	1	182	CF50160B	CF50160J
CF 65x40-200	1	228	CF40200B	CF40200J
CF 65x40-250	2	278	CF40250B	CF40250J
CF 65x40-315	2	342	CF40315B	CF40315J
CF 80x65-160	1	182	CF65160B	CF65160J
CF 80x50-200	1	228	CF50200B	CF50200J
CF 80x50-250	2	278	CF50250B	CF50250J
CF 80x50-315	2	342	CF50315B	CF50315J
CF 100x80-160	2	182	CF80160B	CF80160J
CF 100x65-200	2	228	CF65200B	CF65200J
CF 100x65-250	2	278	CF65250B	CF65250J
CF 100x65-315	3	342	CF65315B	CF65315J
CF 125x80-400	3	438	CF80400B	CF80400J
CF 125x100-200	2	228	CF100200B	CF100200J
CF 125x100-250	3	278	CF100250B	CF100250J
CF 125x100-315	3	342	CF100315B	CF100315J
CF 125x100-400	3	438	CF100400B	CF100400J
CF 125x100-500	4	547	CF100500B	CF100500J
CF 150x125-250	3	278	CF125250B	CF125250J
CF 150x125-315	3	342	CF125315B	CF125315J
CF 150x125-400	3	438	CF125400B	CF125400J
CF 150x125-500	4	547	CF125500B	CF125500J
CF 200x150-315	4	342	CF150315B	CF150315J
CF 200x150-400	4	438	CF150400B	CF150400J
CF 200x150-500	4	547	CF150500B	CF150500J
CF 250x200-315	4	342	CF200315B	CF200315J
CF 250x200-400	4	438	CF200400B	CF200400J

ISOSPEC CF SERIES – JJ

PG - 2029

Model	Module	Standard Impeller Size (mm)	All 316SS Part No.
CF 65x40-315	2	342	CF40315JJ
CF 80x50-250	2	278	CF50250JJ
CF 100x65-250	2	278	CF65250JJ
CF 125x80-400	3	438	CF80400JJ
CF 150x125-315	3	342	CF125315JJ
CF 150x125-400	3	438	CF125400JJ
CF 200x150-315	4	342	CF150315JJ
CF 200x150-400	4	438	CF150400JJ
CF 200x150-500	4	547	CF150500JJ
CF 250x200-400	4	438	CF200400JJ

For replacement motors, refer to the Davey Spare Parts Catalogue



LONG COUPLED CF SERIES PUMPS – P.O.A.

- > Davey offers ISOspec CF bareshaft pumps long coupled to an electric motor using spacer coupling
- > Allows for pump maintenance and removal of rotating components without the time consuming task of removing and refitting pipe connections or motor re-alignment
- > Options include painted steel base and guard, galvanised base and guard, condensation trays, inertia bases and springs





ISOspec Options & Accessories

PG - 2028

IMPELLER TURN DOWN

Part No.	Description
49694	160 Nominal Impeller
49695	200 Nominal Impeller
49696	250 Nominal Impeller
49697	315 Nominal Impeller
49698	400 Nominal Impeller
49699	500 Nominal Impeller

SEAL OPTIONS

(Maximum Water Temperature 140°C, supplied and fitted on order placement)

Seal operating temperatures are as follows:

- > Standard Carbon/Ceramic/Nitrile seal - 60°C
- > Standard Carbon/Ceramic/Nitrile seal with seal flushing kit – 80°C
- > Optional hard faced Silicon Carbide/Silicon Carbide/Viton seal – 60°C
- > Optional hard faced Silicon Carbide/Silicon Carbide/Viton seal with seal flushing kit – 110°C

Part No.	Description	Product Group
49554SP	Silicon Carbide v Silicon Carbide - Viton No. 1/32mm	4010
49555SP	Silicon Carbide v Silicon Carbide - Viton No. 2/43mm	4010
49556SP	Silicon Carbide v Silicon Carbide - Viton No. 3/53mm	4010
49557SP	Silicon Carbide v Silicon Carbide - Viton No. 4/60mm	4010
32322	Seal Flushing Kit – fitted at time of order	2029

PERFORMANCE TESTS (UP TO 110kW)

PG - 2008

Part No.	Description
PTISOHQ11	Pump Test ISO Certified up to 11kW
PTISOHQ110	Pump Test ISO Certified 75kW/110kW
PTISOHQ75	Pump Test ISO Certified 11kW/75kW
PTISOHQ110	Pump Test ISO Certified 75/110kW
PTISOHQ11	Pump Test ISO Certified 11kW
PTISOHQ75	Pump Test ISO Certified 11/75kW
PTISOCHQ11A	Pump Test Additional CHQ 11kW
PTISOHQ75A	Pump Test Additional HQ 11/75kW
PTISOHQ11A	Pump Test Additional HQ 11kW
PTISOHQ75A	Pump Test Additional CHQ 11/75kW
PTISOCHQ110A	Pump Test Additional CHQ 75/110kW
PTISOHQ110A	Pump Test Additional HQ 75/110kW

BASEPLATES

- > Mounting is included
- > Optional extra for new pumps only
- > All bases are mild steel, hot dipped galvanised

PG - 2035

Part No.	Optional Base Code	Description
13274-1	A	600 x 426 x 40mm
13274-2	B	750 x 520 x 74mm
13274-3	C	900 x 572 x 93mm
13274-4	D	1100 x 622 x 68mm
13274-5	E	1200 x 676 x 120mm
13274-6	F	1500 x 775 x 120mm

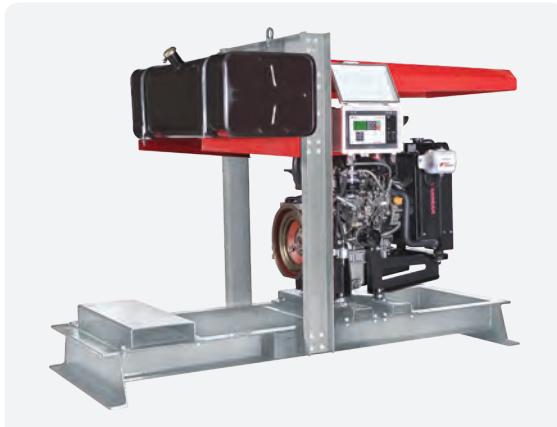


DIESEL POWERED PUMPING SYSTEMS

Diesel Pump Sets

71-72

Diesel Pump Sets



ISOspec[®]

DIESEL PUMP SETS

- > Industry leading diesel booster systems
- > A Davey ISOspec CF pump coupled to a diesel engine
- > Powerful and easy to use, they are designed, built and tested by Davey

Standard features include :-

- > Davey ISOspec pump CI/BR/SS
- > Yanmar TNV / John Deere diesel water cooled engine options
- > Fabricated heavy duty base assembly up to 84kW

YANMAR

JOHN DEERE

PG - 2027

NEW DESIGN - YANMAR TNV EQUIPPED MODELS

The Davey base model Diesel Pump Sets comes with heavy duty galvanised stationary base plate that has a universal drive shaft and engine anti-vibration mount, for superior alignment integrity and longer life.

Control panel options start with the PE-Nano, and progress right through to the PE-Auto 3G for all the advantages of remote connectivity (see page 41, Yanmar Diesel Engine Firefighters for details).

You have the choice of adding a centrally located lifting mount, this allows you the flexibility of adding:

- > Control panel mount
- > Onboard fuel tank – a choice of 120 or 200 litre
- > Weather protection canopy for the engine

Other options available also include speed control actuators with control panel interface.
Talk to Davey about your specific requirements, so we can tailor the pump set to suit your needs.



Diesel Pump Sets

Manufacturer	Part No.	Control Box	Cylinders	Cooling	Maximum Continuous Power kW (hp)	Minimum/Maximum Speed (rpm)
Yanmar	2TNV70-IP-M	PE Manual	2	Water	8.2 (11.0)	1500/3600
Yanmar	2TNV70-IP-AUTO	PE Auto	2	Water	8.2 (11.0)	1500/3600
Yanmar	3TNV70-IP-M	PE Manual	3	Water	12.3 (16.5)	1500/3600
Yanmar	3TNV70-IP-AUTO	PE Auto	3	Water	12.3 (16.5)	1500/3600
Yanmar	3TNV76-IP-M	PE Manual	3	Water	16.1 (21.6)	1500/3200
Yanmar	3TNV76-IP-AUTO	PE Auto	3	Water	16.1 (21.6)	1500/3200
Yanmar	3TNV82-IP-M	PE Manual	3	Water	19.8 (26.6)	1500/3000
Yanmar	3TNV82-IP-AUTO	PE Auto	3	Water	19.8 (26.6)	1500/3000
Yanmar	3TNV88-IP-M	PE Manual	3	Water	24.4 (32.7)	1500/3000
Yanmar	3TNV88-IP-AUTO	PE Auto	3	Water	24.4 (32.7)	1500/3000
Yanmar	3TNV84T-IP-M	PE Manual	3	Water	27.8 (37.3)	1500/3000
Yanmar	3TNV84T-IP-AUTO	PE Auto	3	Water	27.8 (37.3)	1500/3000
Yanmar	4TNV88-IP-M	PE Manual	4	Water	31.9 (42.8)	1500/3000
Yanmar	4TNV88-IP-AUTO	PE Auto	4	Water	31.9 (42.8)	1500/3000
Yanmar	4TNV84T-IP-M	PE Manual	4	Water	37.1 (49.8)	1500/3000
Yanmar	4TNV84T-IP-AUTO	PE Auto	4	Water	37.1 (49.8)	1500/3000
Yanmar	4TNV98-IP-M	PE Manual	4	Water	46 (61.7)	1500/2500
Yanmar	4TNV98-IP-AUTO	PE Auto	4	Water	46 (61.7)	1500/2500
Yanmar	4TNV98T-IP-M	PE Manual	4	Water	56.2 (75.4)	1500/2500
Yanmar	4TNV98T-IP-AUTO	PE Auto	4	Water	56.2 (75.4)	1500/2500

NEW extended range of larger kW Diesel Pump Sets from John Deere are now available to quote.
This new range will cover power requirements for all Davey ISOspec CF pumps.

GROUNDWATER

4" Submersible Borehole Pumps & Motors	73-77
4" Submersible Borehole Accessories	78
6" Submersible Borehole Pumps & Motors	79-80

4" Submersible Borehole Pumps & Motors



TYPE KEY: COMPLETE PUMPS

Example		K	D	J	5	25	D	2	1	E
Product Configuration	Complete Pump, Motor, Starter box (where needed) and splice kit	X								
Motor	Davey Motor		X							
Pump Type	J-Series			X						
Power	Fractional hp eg 0.5Hp				X					
Rated Flow	lpm					X				
Wire	2 or 3						X			
Phase	1 or 3							X		
Motor Type	E = DM Rewindable E = DME Encapsulated								X	

DAVEY COMPLETE PUMP AND MOTOR KITS

PG - 9060

- Single Phase 2 Wire Motor Kits include Borehole Pump, 2 Wire Davey Motor and Splice Kit
- Single Phase 3 Wire Motor Kits include Borehole Pump, 3 Wire Davey Motor, Standard Starter Box and Splice Kit
- 3 Phase Motor Kits include Borehole Pump, 3 Wire Motor and Splice Kit

Model	Motor kW (P ₂)	Nominal Flow Rate	Motor Option	Borehole Pump Set Kit with Rewindable Motor	Borehole Pump Set Kit with Encapsulated Motor
J525D	0.37	25 lpm	230V - 2 wire 230V - 3 wire 415V	KDJ525D21 KDJ525D31 KDJ525D33	KDJ525D21E KDJ525D31E KDJ525D33E
J725D	0.55	25 lpm	230V - 2 wire 230V - 3 wire 415V	KDJ725D21 KDJ725D31 KDJ725D33	KDJ725D21E KDJ725D31E KDJ725D33E
J1025D	0.75	25 lpm	230V - 2 wire 230V - 3 wire 415V	KDJ1025D21 KDJ1025D31 KDJ1025D33	KDJ1025D21E KDJ1025D31E KDJ1025D33E
J1525D	1.1	25 lpm	230V - 2 wire 230V - 3 wire 415V	KDJ1525D21 KDJ1525D31 KDJ1525D33	KDJ1525D31E KDJ1525D33E
J2025D	1.5	25 lpm	230V - 3 wire 415V	KDJ2025D31 KDJ2025D33	KDJ2025D31E KDJ2025D33E



4" Submersible Borehole Pumps & Motors

VERTICAL MULTISTAGE PUMPS

COMMERCIAL PUMP SETS

END SUCTION PUMPS

DIESEL POWERED PUMPING SYSTEMS

GROUNDWATER

Model	Motor kW (P₂)	Nominal Flow Rate	Motor Option	Borehole Pump Set Kit with Rewindable Motor	Borehole Pump Set Kit with Encapsulated Motor
J540D	0.37	40 lpm	230V - 2 wire 230V - 3 wire 415V	KDJ540D21 KDJ540D31 KDJ540D33	KDJ540D21E KDJ540D31E KDJ540D33E
J740D	0.56	40 lpm	230V - 2 wire 230V - 3 wire 415V	KDJ740D21 KDJ740D31 KDJ740D33	KDJ740D21E KDJ740D31E KDJ740D33E
J1040D	0.75	40 lpm	230V - 2 wire 230V - 3 wire 415V	KDJ1040D21 KDJ1040D31 KDJ1040D33	KDJ1040D21E KDJ1040D31E KDJ1040D33E
J1540D	1.1	40 lpm	230V - 2 wire 230V - 3 wire 415V	KDJ1540D21 KDJ1540D31 KDJ1540D33	KDJ1540D31E KDJ1540D33E
J2040MD	1.5	40 lpm	230V - 3 wire 415V	KDJ2040MD31 KDJ2040MD33	KDJ2040MD31E KDJ2040MD33E
J3040MD	2.2	40 lpm	230V - 3 wire 415V	KDJ3040MD31 KDJ3040MD33	KDJ3040MD31E KDJ3040MD33E
J760D	0.55	60 lpm	230V - 2 wire 230V - 3 wire 415V	KDJ760D21 KDJ760D31 KDJ760D33	KDJ760D21E KDJ760D31E KDJ760D33E
J1060D	0.75	60 lpm	230V - 2 wire 230V - 3 wire 415V	KDJ1060D21 KDJ1060D31 KDJ1060D33	KDJ1060D21E KDJ1060D31E KDJ1060D33E
J1560D	1.1	60 lpm	230V - 2 wire 230V - 3 wire 415V	KDJ1560D21 KDJ1560D31 KDJ1560D33	KDJ1560D31E KDJ1560D33E
J2060MD	1.5	60 lpm	230V - 3 wire 415V	KDJ2060MD31 KDJ2060MD33	KDJ2060MD31E KDJ2060MD33E
J3060MD	2.2	60 lpm	230V - 3 wire 415V	KDJ3060MD31 KDJ3060MD33	KDJ3060MD31E KDJ3060MD33E
J1080D	0.75	80 lpm	230V - 2 wire 230V - 3 wire 415V	KDJ1080D21 KDJ1080D31 KDJ1080D33	KDJ1080D21E KDJ1080D31E KDJ1080D33E
J1580D	1.1	80 lpm	230V - 2 wire 230V - 3 wire 415V	KDJ1580D21 KDJ1580D31 KDJ1580D33	KDJ1580D31E KDJ1580D33E
J2080D	1.5	80 lpm	230V - 3 wire 415V	KDJ2080D31 KDJ2080D33	KDJ2080D31E KDJ2080D33E
J3080D	2.2	80 lpm	230V - 3 wire 415V	KDJ3080D31 KDJ3080D33	KDJ3080D31E KDJ3080D33E
J15110D	1.1	110 lpm	230V - 2 wire 230V - 3 wire 415V	KDJ15110D21 KDJ15110D31 KDJ15110D33	KDJ15110D31E KDJ15110D33E
J20110D	1.5	110 lpm	230V - 3 wire 415V	KDJ20110D31 KDJ20110D33	KDJ20110D31E KDJ20110D33E
J30110D	2.2	110 lpm	230V - 3 wire 415V	KDJ30110D31 KDJ30110D33	KDJ30110D31E KDJ30110D33E
J50110D	3.7*	110 lpm	230V - 3 wire 415V	KDJ50110D31 KDJ50110D33	KDJ50110D31E KDJ50110D33E
J15160D	1.1	160 lpm	230V - 2 wire 230V - 3 wire 415V	KDJ15160D21 KDJ15160D31 KDJ15160D33	KDJ15160D31E KDJ15160D33E
J20160D	1.5	160 lpm	230V - 3 wire 415V	KDJ20160D31 KDJ20160D33	KDJ20160D31E KDJ20160D33E
J30160D	2.2	160 lpm	230V - 3 wire 415V	KDJ30160D31 KDJ30160D33	KDJ30160D31E KDJ30160D33E
J50160D	3.7*	160 lpm	230V - 3 wire 415V	KDJ50160D31 KDJ50160D33	KDJ50160D31E KDJ50160D33E
J20250D	1.5	250 lpm	230V - 3 wire 415V	KDJ20250D31 KDJ20250D33	KDJ20250D31E KDJ20250D33E
J30250D	2.2	250 lpm	230V - 3 wire 415V	KDJ30250D31 KDJ30250D33	KDJ30250D31E KDJ30250D33E
J50250D	3.7*	250 lpm	230V - 3 wire 415V	KDJ50250D31 KDJ50250D33	KDJ50250D31E KDJ50250D33E

* All 3.7kW kits for 415V 3 phase include 4kW motors.

4" Submersible Borehole Pumps & Motors

DAVEY

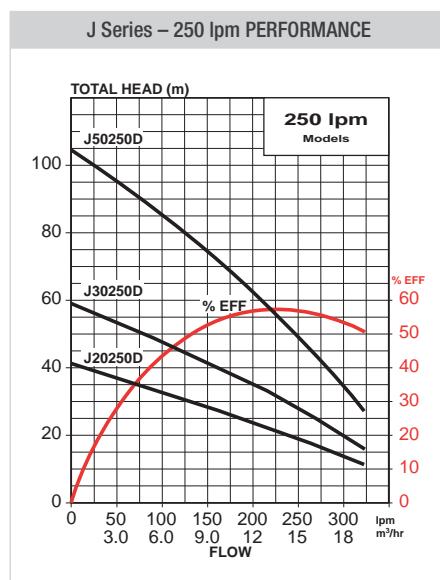
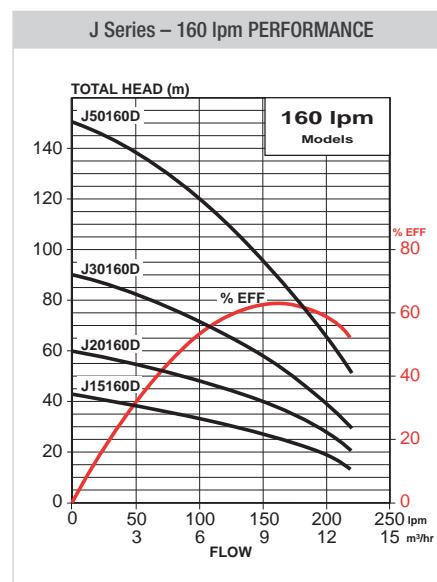
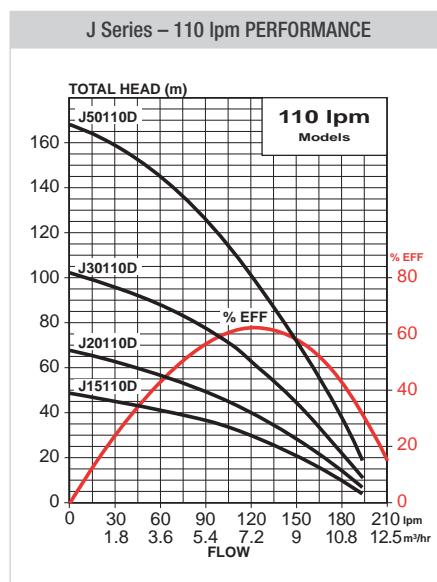
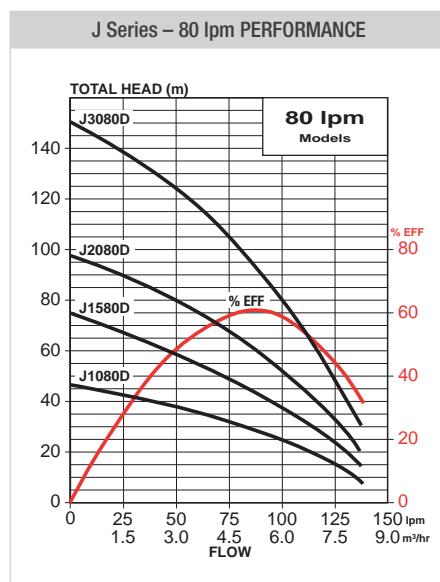
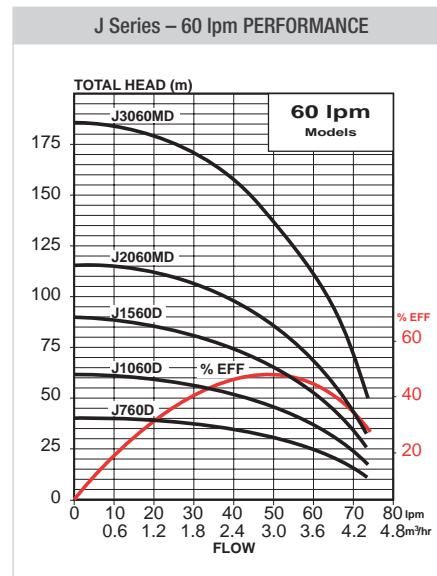
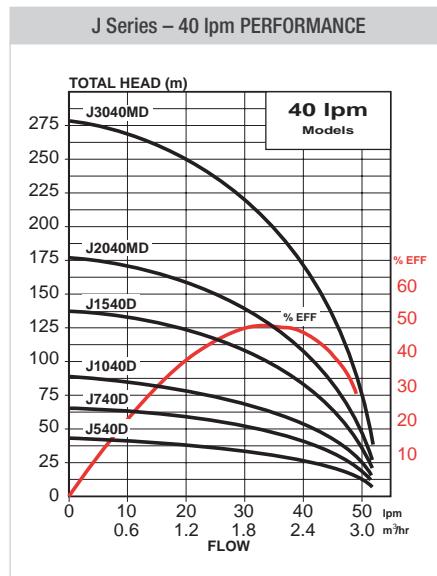
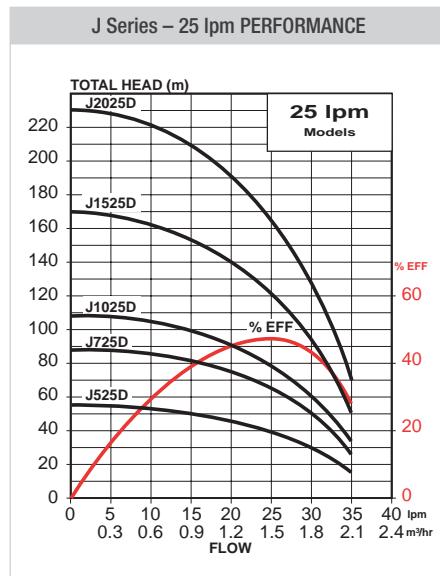
VERTICAL MULTISTAGE PUMPS

COMMERCIAL PUMP SETS

END SUCTION PUMPS

DIESEL POWERED PUMPING SYSTEMS

GROUNDWATER





4" Submersible Borehole Pumps & Motors

COMPLETE KIT COMPONENT GUIDE FOR 100MM (4") J SERIES BOREHOLE PUMPS

Motor kW (P ₂)	Davey Rewindable Motors			3 phase	Davey Encapsulated Motors			3 phase	Cable Splice Kit		
	2 wire 1 phase	3 wire 1 phase	Starter (3 wire)		2 wire 1 phase	3 wire 1 phase	Starter (3 wire)		2 wire 1 phase	3 wire 1 phase	3 phase
0.37	DM1037W2	DM1037	14020015	DM3037	DME1037W2	DME1037	20200070	DME3037	31264	31263	31263
0.55	DM1055W2	DM1055	14020035	DM3055	DME1055W2	DME1055	20200080	DME3055	31264	31263	31263
0.75	DM1075W2	DM1075	14020055	DM3075	DME1075W2	DME1075	20200090	DME3075	31264	31263	31263
1.1	DM1110W2	DM1110	14020075	DM3110		DME1110	20200100	DME3110	31264	31263	31263
1.5		DM1150	14020090	DM3150		DME1150	20200115	DME3150		31263	31263
2.2		DM1220	14020095	DM3220		DME1220	20200130	DME3220		31263	31263
3.7		DM1370	20200060			DME1370	20200060			31263	
4.0				DM3400				DME3400			31263
5.5				DM3550				DME3550			31263
7.5				DM3750							31263



DAVEY 4" BOREHOLE MOTORS

- Choice of rewirable (DM) or encapsulated (DME) motors to suit 4" borehole pumps
- Choice of 2-wire, 3-wire (240V, 50Hz) and 3 phase (415V, 50Hz) motors
- 304 stainless steel construction for excellent corrosion resistance
- Comes standard with a hard face mechanical seal (Silicon Carbide/Ceramic) for increased motor life
- Sand slinger protection to help inhibit sand from entering the motor for increased reliability
- Removable cable connector for easy maintenance
- 4" NEMA standard coupling dimensions for easy assembly to all 4" borehole pumps.

PG - 2030

PG - 9060

2 Wire Single Phase Motors		3 Wire Single Phase Motors (with Standard Starter Box included)		
Motor kW (P ₂)	Davey Rewindable Motor Only	Davey Encapsulated Motor Only	Davey Rewindable Motor	Davey Encapsulated Motor
0.37	DM1037W2	DME1037W2	KDM1037	KDME1037
0.55	DM1055W2	DME1055W2	KDM1055	KDME1055
0.75	DM1075W2	DME1075W2	KDM1075	KDME1075
1.10	DM1110W2	—	KDM1110	KDME1110
1.50	—	—	KDM1150	KDME1150
2.20	—	—	KDM1220	KDME1220
3.70	—	—	KDM1370	KDME1370

3 WIRE SINGLE PHASE MOTORS – Motor and Starter purchased separately

PG - 2030

Motor kW (P ₂)	Davey Rewindable Motor Only	Standard Starter Box	Davey Encapsulated Motor Only	Standard Starter Box
0.37	DM1037	14020015	DME1037	20200070
0.55	DM1055	14020035	DME1055	20200080
0.75	DM1075	14020055	DME1075	20200090
1.10	DM1110	14020075	DME1110	20200100
1.50	DM1150	14020090	DME1150	20200115
2.20	DM1220	14020095	DME1220	20200130
3.70	DM1370	20200060	DME1370	20200060

3 PHASE MOTORS

PG - 2030

Motor kW (P ₂)	Davey Rewindable Motor Only	Davey Encapsulated Motor Only
0.37	DM3037	DME3037
0.55	DM3055	DME3055
0.75	DM3075	DME3075
1.10	DM3110	DME3110
1.50	DM3150	DME3150
2.20	DM3220	DME3220
4.00	DM3400	DME3400
5.50	DM3550	DME3550
7.50	DM3750	

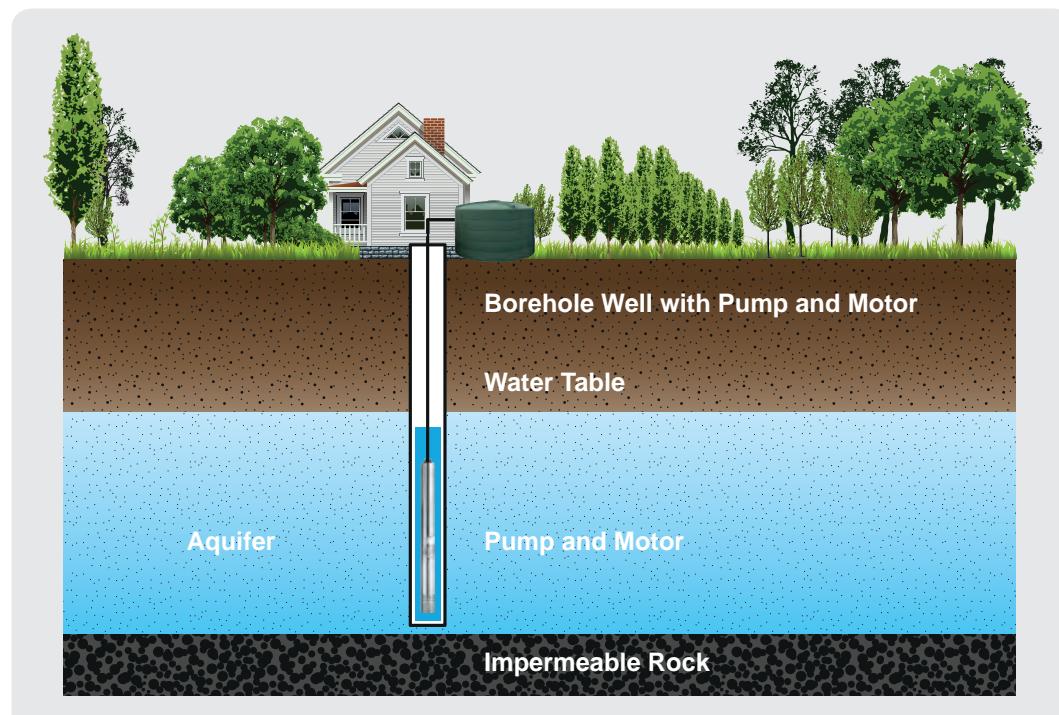
4" Submersible Borehole Pumps & Motors

DAVEY

PG - 2001

DAVEY 4" BOREHOLE PUMPS ONLY

Model No.	Discharge BSP (F)	Nominal Flow Rate	kW	Motor Power (P_2)	hp	Stages
J525D	1¼"	25 lpm	0.37	½		8
J725D	1¼"	25 lpm	0.55	¾		13
J1025D	1¼"	25 lpm	0.75	1		16
J1525D	1¼"	25 lpm	1.10	1½		25
J2025D	1¼"	25 lpm	1.50	2		33
J540D	1¼"	40 lpm	0.37	½		6
J740D	1¼"	40 lpm	0.56	½		9
J1040D	1¼"	40 lpm	0.75	1		12
J1540D	1¼"	40 lpm	1.10	1½		19
J2040MD	1¼"	40 lpm	1.50	2		24
J3040MD	1¼"	40 lpm	2.20	3		38
J760D	1¼"	60 lpm	0.55	¾		6
J1060D	1¼"	60 lpm	0.75	1		9
J1560D	1¼"	60 lpm	1.10	1½		13
J2060MD	1¼"	60 lpm	1.50	2		17
J3060MD	1¼"	60 lpm	2.20	3		27
J1080D	2"	80 lpm	0.75	1		8
J1580D	2"	80 lpm	1.10	1½		11
J2080D	2"	80 lpm	1.50	2		15
J3080D	2"	80 lpm	2.20	3		23
J15110D	2"	110 lpm	1.10	1½		8
J20110D	2"	110 lpm	1.50	2		11
J30110D	2"	110 lpm	2.20	3		17
J50110D	2"	110 lpm	3.70	5		28
J15160D	2"	160 lpm	1.10	1½		7
J20160D	2"	160 lpm	1.50	2		10
J30160D	2"	160 lpm	2.20	3		15
J50160D	2"	160 lpm	3.70	5		25
J20250D	2"	250 lpm	1.50	2		8
J30250D	2"	250 lpm	2.20	3		12
J50250D	2"	250 lpm	3.70	5		21



VERTICAL MULTISTAGE PUMPS

COMMERCIAL PUMP SETS

END SUCTION PUMPS

DIESEL POWERED PUMPING SYSTEMS

GROUNDWATER



4" Submersible Borehole Accessories

DAVEY CONTROL BOXES - SINGLE PHASE 240 VOLT

PG - 2035

- > Suitable for Submersible Borehole, Sump and Davey 10 Surface Pumps
- > Providing Manual-off-Auto control in an IP56 enclosure with cable grommet knock-outs
- > Boxes include run light and 240 volt control circuit for pressure, float or similar switch

Model No.	Description
FSB221	To suit 10 motors to 2.2kW

DAVEY CONTROL BOXES - 3-PHASE 415 VOLT

PG - 2035

- > Suitable for Submersible Borehole, Sump and Davey 30 Surface Pumps (e.g. Davey Dynaflo, VM Series, HM Series etc.)
- > Providing Manual-off-Auto control in an IP56 enclosure
- > Boxes include adjustable thermal overloads with run light, surge arrestors and a 240 volt control circuit for pressure, float or similar switch
- > Overloads must be set to suit motor, Contactor is DOL only – check local requirements especially for 5.5kW and above
Check amp rating for each motor as amp rating changes depending on type and brand of motor

Part No.	Amps	To suit Davey Borehole Motors	To suit Surface Pump Motors	To suit Sump Pumps
CB3075	1.6 - 2.4	0.55 & 0.75kW	0.75 & 1.1kW	DT08
CB3150	2.4 - 4.0	1.1kW	62103 & 1.5kW	DT15
CB3220	4.0 - 6.0	1.5 & 2.2kW	62203, 165S/D, PJ240, Mukmova 2.2 & 3.0kW	DT22
CB3370	6.0 - 9.0	–	62303 & 4.0kW	DT37
CB3750	10.0 - 16.0	4.0kW	5.5 & 7.5kW	DT55

CABLE SPLICE KITS

PG - 2035

Part No.	Description
30609	Kit splice submersible
31263	3 Wire Motors , 6mm ²
31264	2 Wire Motors, 6mm ²

LONG D 316SS SHACKLE

PG - 2035

Part No.	Description
401693	Long Dee SS Shackle

BOREHOLE CAPS

PG - 2035

Part No.	Description
BC32	BSP32, galvanised
BC40	BSP40, galvanised
BC50	BSP50, galvanised
BC65	BSP65, galvanised
BC80	BSP80, galvanised



BOREHOLE MOTOR PROTECTION CONTROL PANELS

PG - 2035

- > Single and three phase submersible pump control and protection
- > Monitoring of current and voltage to ensure motors are protected from overload, underload and dry running
- > Three phase models offer additional protection against phase loss / imbalance and incorrect phase sequence protection (direction of rotation)
- > Maximum protection without level electrodes or level relays
- > Can be used on some surface mounted and three phase sump pumps – contact Davey for advice

Part No.	Description	Phase	Wire	Suits kW Rating	Suit Davey Borehole Motors
CBM2	Fanox 10 Pump Protection Unit	10	2 & 3 Wire	0.37 - 1.1kW	DM1037W2, DME1037W2, DM1037, DME1037, DM1055W2, DME1055W2, DM1055, DME1055, DM1075W2, DME1075W2, DM1075, DME1075, DM1110W2, DM1110, DME1110
CBM3	Fanox 10 Pump Protection Unit	10	2 & 3 Wire	1.5 - 2.2kW	DM1150, DME1150, DM1220, DME1220
CBT1	Fanox 30 Pump Start/Protection Unit	30	-	0.37-0.75kW	DM3037, DME3037, DM3055, DME3055, DM3075, DME3075
CBT2	Fanox 30 Pump Start/Protection Unit	30	-	1.1-1.5kW	DM3110, DME3110, DM3150, DME3150
CBT5	Fanox 30 Pump Start/Protection Unit	30	-	2.2-4kW	DM3220, DME3220, DM3400, DME3400



6" Submersible Borehole Pumps & Motors



SS SERIES (6") MODELS

- 6" submersible borehole pumps manufactured from corrosion and abrasion resistant 304 stainless steel for longer pump life
- Designed for flow rates up to 80m³/hr (1333 lpm)
- High efficiency impeller design with radial flow impellers for 19 & 30m³/hr models and axial flow impellers for 46 & 65m³/hr models for increased performance
- Close coupled to NEMA standard electric motors
- Pumps up to 7.5kW use 4" motors with an adaptor plate (402064) sold separately
- Includes connection bolts for 6" motors (7.5kW and above)
- Splice kits not included
- Order pump, motor and adaptor as separate items

PG - 2002

Model No.	Motor kW (P ₂)	Motor Size	Adaptor No. (6" Pump to 4" Motor)	Rewindable Motor No. (30, 415V)
SS19-06	3.7 (10)/4.0 (30)	4"	402064	DM3400
SS19-09	5.5	4"	402064	DM3550
SS19-12	7.5	4"	402064	DM3750
SS19-15	9.3	6"	-	DM6093
SS19-18	11.0	6"	-	DM6110
SS30-04	5.5	4"	402064	DM3550
SS30-06	7.5	4"	402064	DM3750
SS30-09	11.0	6"	-	DM6110
SS30-12	15.0	6"	-	DM6150
SS46-04	5.5	4"	402064	DM3550
SS46-05	7.5	4"	402064	DM3750
SS46-08	11.0	6"	-	DM6110
SS46-11	15.0	6"	-	DM6150
SS46-14	18.5	6"	-	DM6185
SS65-03	5.5	4"	402064	DM3550
SS65-04	7.5	4"	402064	DM3750
SS65-06	11.0	6"	-	DM6110
SS65-09	15.0	6"	-	DM6150
SS65-11	18.5	6"	-	DM6185
SS65-13	22.0	6"	-	DM6220

Part No.	Description
402064	Adaptor, 6" pump to 4" motor

PG - 2030

4" REWINDABLE MOTORS (SUIT 6" PUMPS WITH ADAPTOR)

Motor kW (P ₂)	Davey Rewindable Motor Only	Davey Encapsulated Motor Only
4.0	DM3400	DME3400
5.5	DM3550	DME3550
7.5	DM3750	



6" REWINDABLE MOTORS

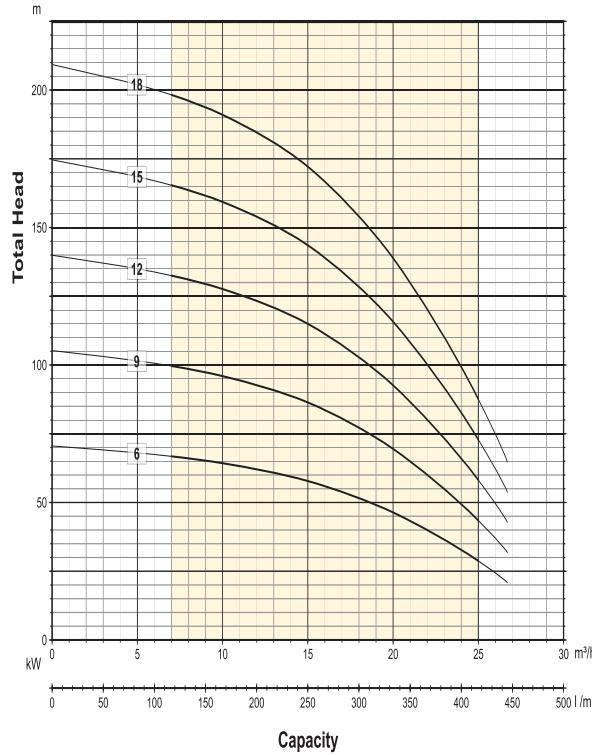
- Rewindable (DM) motors to suit 6" borehole pumps
- Sturdy construction with 304 stainless steel casing and internals with a 316 stainless steel upper bracket for excellent corrosion resistance
- Comes standard with a hard face mechanical seal (SiC/Al) for increased motor life
- Oversized compensation diaphragm to handle the heating and cooling cycles of the motor for greater reliability
- Sand slinger protection to help inhibit sand from entering the motor for increased reliability
- Removable cable connector for easy maintenance
- Horizontal mounting is permissible up to 15kW
- 6" NEMA standard coupling dimensions for easy assembly to all 6" borehole pumps

PG - 2031

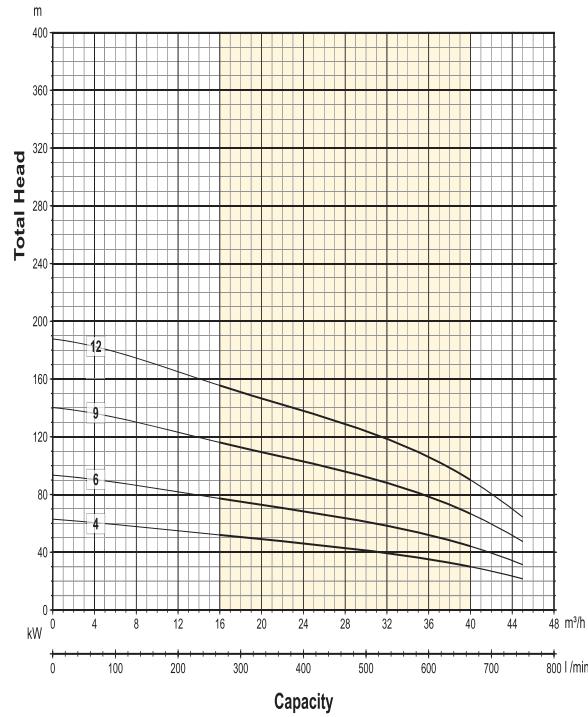
Motor kW (P ₂)	Davey Rewindable Motor Only
9.3	DM6093
11.0	DM6110
15.0	DM6150
18.5	DM6185
22.0	DM6220

6" Submersible Borehole Pumps & Motors

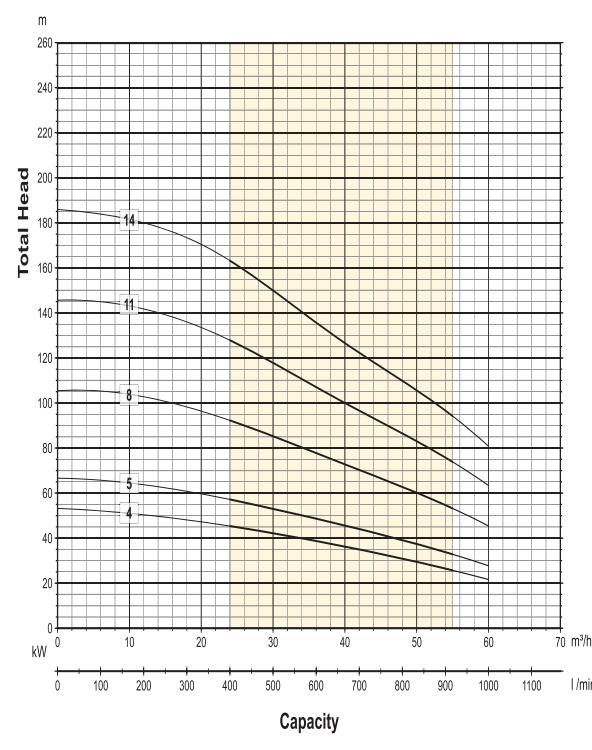
SS19 Series PERFORMANCE



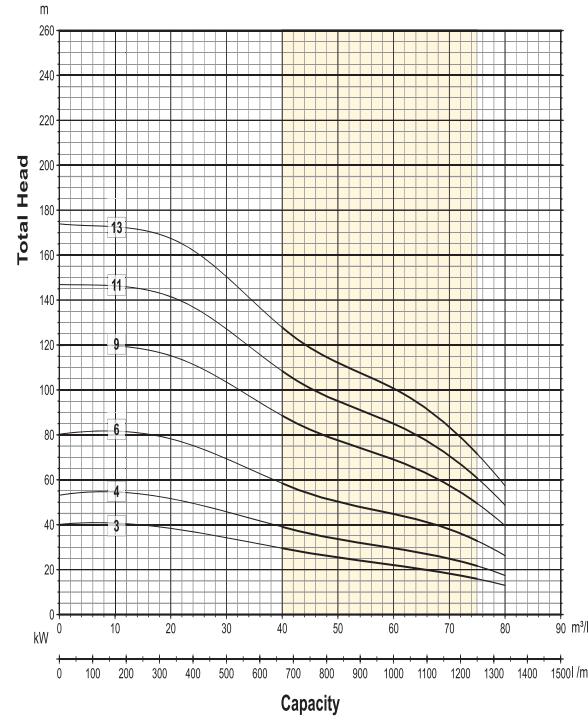
SS30 Series PERFORMANCE



SS46 Series PERFORMANCE



SS65 Series PERFORMANCE



microlene[®]

WATER TREATMENT

UV Water Disinfection
Water Filtration
Water Softening
Treatment Systems
Commercial



WATER TREATMENT

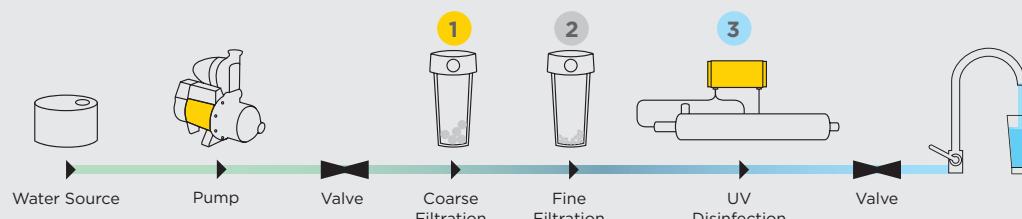
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UV Water Disinfection

MICROLENE STERIFLO UV DISINFECTION

Davey's proven three stage Filtration and Ultra Violet disinfection process can provide continuous clean, safe and fresh tasting water from your water source.

- Stage 1** is a 20 micron coarse filter that removes solids larger than 20 microns and provides protection for second and third stages.
- Stage 2** is a fine 1 micron filter that removes small solids and cysts such as Giardia and Cryptosporidium.
- Stage 3** is an Ultraviolet disinfection lamp that sterilises viruses and bacteria.



AQUASHIELD CENTURION UV SYSTEM

- Proven three stage treatment process for rainwater tank supplies with flows up to 70 lpm
- Pre-assembled wall mount unit including two stage prefiltration down to 1 micron, followed by Microlene Steriflo UV
- Flexibility to install with an existing pump or to a Davey home water pressure system
- Water flow left to right or right to left, for installation flexibility
- Provides 30mJ/cm² at 90% or above UV Transmission (UVT)

PG - 1132

Model No.	Description	Flow Rate
ASC50	2 x 10 inch jumbo housings, 20 & 1 micron filtration with 50 lpm Steriflo	50 lpm
ASC70	2 x 20 inch jumbo housings, 20 & 1 micron filtration with 70 lpm Steriflo	70 lpm



AQUASHIELD MAX PRESSURE BOOSTING AND TREATMENT PACKAGES

PG - 1132

- > Three stage treatment process for tankwater supplies with flows up to 70 lpm
- > Provides pressure boosting and control, two stage pre-filtration down to 1 micron and UV disinfection in a conveniently packaged system
- > Optional fan pack recommended to assist with cooling for high temperature or non-ventilated spaces. Easily retrofits onto existing Aquashield systems
- > Provides 30mJ/cm² at 90% or above UV Transmission (UVT)

Model No.	Application	KW (P ₂)	Inlet / Outlet	Max. Head
ASHS60-08T	Medium pressure with Torrium2 for single water source	0.76	1½" / 1"	30m
ASHM60-10T	Higher pressure with Torrium2 for single water source	0.94	1½" / 1"	38m
ASHS60-08RB	Medium pressure with RainBank for mains backup	0.76	1½" / 1"	30m
ASHM60-10RB	Higher pressure with RainBank for mains backup	0.94	1½" / 1"	38m

SELECTING A SYSTEM

Pressure	Outlets	Single Water Source With Torrium2 Controller	Dual Water Source With RainBank Controller
Standard Pressure Up to 500kPa	6 outlets up to 70 lpm	ASHS60-08T	ASHS60-08RB
Premium Pressure Up to 700kPa	6 outlets up to 70 lpm	ASHM60-10T	ASHM60-10RB

FAN PACK TO SUIT

PG - 1132

Part No.	Description
32722	Optional cool touch fan pack, for high temperature environments or non ventilated spaces. Suits 50 and 70 litre per minute Aquashield systems.

STERIFLO AND FILTRATION KITS

PG - 9012

- > Includes UV chamber and two stage filtration and housings. Pump lead included on UV50 & UV70 models.
- > Supplied as individual components for installation flexibility
- > Whole house systems offered in 50, 70 and 130 lpm options for medium to large homes and light commercial applications
- > Lamp Replacements – Life of 9,000 hours, replace every 12 months
- > Provides 30mJ/cm² at 90% or above UV Transmission (UVT)

Part No.	Description	Inlet / Outlet
KUV50	UV50, 50 lpm kit with 2 x 10" jumbo housings, 1 x 20 micron pleated filter, 1 x 1 micron spun filter	¾" F / 1" M
KUV70	UV70, 70 lpm kit with 2 x 20" jumbo housings, 1 x 20 micron pleated filter, 1 x 1 micron spun filter	¾" F / 1" M
KUV130	UV130, 130 lpm kit with 4 x 20" jumbo housings, 2 x 20 micron pleated filter, 2 x 1 micron spun filter	1½" F / 1½" M

UV Water Disinfection



MICROLENE STERIFLO

PG - 1133

- Microlene Steriflo is an economical means of managing bacteria and virus in drinking water supplies
- Davey recommend installing prefiltration to ensure the highest penetration of UV light
- A large range of models are available to suit most applications
- Provides 30mJ/cm² at 90% or above UV Transmission (UVT)

Model No.	Description	Inlet / Outlet
UV50	50 lpm Steriflo to suit small to medium homes	¾" BSP (M) / ¾" BSP (M)
UV70	70 lpm Steriflo to suit medium to large homes	1" BSP (M) / 1" BSP (M)
UV130	130 lpm Steriflo to suit large homes or commercial properties	1½" BSP (M) / 1½" BSP (M)
UV250	250 lpm Steriflo to suit light commercial applications	2" BSP (M) / 2" BSP (M)

STERIFLO AND FILTRATION KITS

- Includes UV chamber and two stage filtration and housings. Pump lead included on UV50 & UV70 models.
- Supplied as individual components for installation flexibility
- Whole house systems offered in 50, 70 and 130 lpm options for medium to large homes and light commercial applications
- Lamp Replacements – Life of 9,000 hours, replace every 12 months
- Provides 30mJ/cm² at 90% or above UV Transmission (UVT)

PG - 9012

Part No.	Description	Inlet / Outlet
EUV50KIT	UV50, 50 lpm kit with 2 x 10" jumbo housings, 1 x 20 micron pleated filter, 1 x 1 micron spun filter	¾" F / 1" M
EUV70KIT	UV70, 70 lpm kit with 2 x 20" jumbo housings, 1 x 20 micron pleated filter, 1 x 1 micron spun filter	¾" F / 1" M
EUV130KIT	UV130, 130 lpm kit with 4 x 20" jumbo housings, 2 x 20 micron pleated filter, 2 x 1 micron spun filter	1½" F / 1½" M

SERVICE KITS

- Includes: Lamp, Quartz Sleeve, 20 micron Pleated & 1 micron Poly Spun Filters, O-ring

PG - 9033

Part No.	Description	Suits
K50LPM	50 lpm service kit	UV50 Steriflo, ASC50 Centurion
K70LPM	70 lpm service kit	UV70 Steriflo, ASC70 Centurion and AquashieldMAX
K130LPM	130 lpm service kit	UV130 Steriflo

Filter Cartridges

FILTER PRODUCT SELECTION GUIDE

FILTER PRODUCT SELECTOR													
Element Style	Micron Rating	Washable & reusable	Pre-filtration	Sediment reduction	Taste reduction	Odour reduction	Cyst removal rating	Metal reduction	Chemical reduction	Chlorine reduction	Bacterio-static	Filter life (months)	Pg. Ref
Poly Pleated (PP)	50 20 5 1	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓								Clean & Reuse	24
Poly Spun (PS)	20 5 1		✓	✓ ✓ ✓									12 24
Pleated Carbon Impregnated (PC)	10			✓	✓	✓				✓			3 25
Carbon Block (CB)	10 5 0.5			✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓			✓ ✓ ✓			6 25	
Carbon Block with Silver (CB)	0.5			✓	✓	✓	>99.9%		✓	✓	✓		12 25
Granular Carbon (GC)	20				✓	✓			✓	✓			6 25
Granular Carbon with Silver (GC)	20				✓	✓			✓	✓	✓		12 25
Heavy Metal Reduction (HM)	0.5				✓	✓		✓	✓	✓	✓		26
Fluoride Reduction (FR)	5				✓	✓			✓	✓			6 26
Arsenic Reduction (AR)	25							✓					26
Deionising (DI)	5							✓				Varies	26
Urban Under Bench Kit (UB)	1				✓	✓		✓	✓	✓	✓	36	27
Rural Under Bench Kit (UB)	1				✓	✓		✓	✓	✓	✓	24	27

Sediment Removal Cartridges

microlene 



POLY PLEATED SEDIMENT (PP)

Commonly used in 1st stage of filtration to remove:

- > Sediment
- > Rust
- > Scale

Pleated sediment cartridges have the advantage of a high dirt holding ability with a low pressure drop. They are also economical as they can be cleaned and reused.

PG - 1120

Part No.	Micron (μm)	Max. Flow (lpm)
Suit 10" Standard Housings (10" x 2.5")		
50PP10*	50	48
20PP10*	20	45
5PP10	5	43
1PP10	1	41
Suit 20" Standard Housings (20" x 2.5")		
50PP20*	50	95
20PP20*	20	90
5PP20	5	85
1PP20	1	82
Suit 10" Jumbo Housings (10" x 4.5")		
50PP10J*	50	100
20PP10J*	20	94
5PP10J	5	90
1PP10J	1	88
Suit 20" Jumbo Housings (20" x 4.5")		
50PP20J*	50	200
20PP20J*	20	188
5PP20J	5	180
1PP20J	1	175

* Washable



POLYSPUN SEDIMENT (PS)

PG - 1120

For finer sediment removal, commonly used in the 2nd stage of filtration for the removal of:

- | | |
|---|---------|
| > Rust | > Silt |
| > Sand | > Algae |
| > Cryptosporidium cysts (>99% efficient for 1 micron cartridge) | |

Material is food grade polypropylene with no chemical residue or loose fibres.

Part No.	Micron (μm)	Max. Flow (lpm)
Suit 10" Standard Housings (10" x 2.5")		
20PS10	20	34
5PS10	5	28
1PS10	1	27
Suit 20" Standard Housings (20" x 2.5")		
20PS20	20	67
5PS20	5	56
1PS20	1	54
Suit 10" Jumbo Housings (10" x 4.5")		
20PS10J	20	84
5PS10J	5	76
1PS10J	1	75
PSDG10J Dual Gradient	25 down to 1	38
Suit 20" Jumbo Housings (20" x 4.5")		
5PS20J	5	156
1PS20J	1	152

Carbon Cartridges for Taste & Odour Removal



CARBON BLOCKS (CB)

Carbon blocks are very effective combination cartridges capable of fulfilling the dual roles of filtration and purification reducing:

- > Taste
- > Odour
- > Chlorine
- > Pesticides
- > THMs
- > Giardia and Cryptosporidium cysts (99.9% effective for 0.5 micron rating)

NEW Multipurpose carbon blocks (MPACB20, MPACB10J & MPACB20J) have reduced carbon function with increased filtration ability. Ideal for water with higher sediment

PG - 1120

Part No.	Capacity (L)	Micron (μm)	Optimal Flow for Reduction (lpm)
Suit 10" Standard Housings (10" x 2.5")			
ACBM10	11,400	10	3.8
ACB10	22,700	5	3.8
BPAC10	75,000	0.5	7.6
SBPAC10*	75,700	0.5	3.8
Suit 20" Standard Housings (20" x 2.5")			
MPACB20	18,927	10	7.6
Suit 10" Jumbo Housings (10" x 4.5")			
MPACB10J	56,781	10	7.6
ACB10J	45,400	5	7.6
BPAC10J	190,000	0.5	7.6
Suit 20" Jumbo Housings (20" x 4.5")			
MPACB20J	113,562	10	15.1

* SBPAC cartridges are silver impregnated



PLEATED CARBON IMPREGNATED (PC)

PG - 1120

Constructed totally of FDA grade materials. These cartridges have combination sediment and chlorine reduction capabilities, so they can handle larger flow rates, whilst providing light duty carbon functionality.

Part No.	Capacity (L)	Micron (μm)	Optimal Flow for Reduction (lpm)
Suit 10" Standard Housings (10" x 2.5")			
PPAC10	850	10	3.8
Suit 10" Jumbo Housings (10" x 4.5")			
PPAC10J	1,890	10	7.6



GRANULAR CARBON (GC)

PG - 1120

Suitable for applications where low contamination levels and removal of dissolved chemicals is needed. These high quality cartridges ensure performance by significantly reducing:

- > Taste
- > Odour
- > THMs
- > Chlorine
- > Pesticides

Part No.	Capacity (L)	Micron (μm)	Optimal Flow for Reduction (lpm)
Suit 10" Standard Housings (10" x 2.5")			
AC10	18,900	20	3.8
SAC10*	5,600	20	3.8

* SAC10 cartridges are silver impregnated



HEAVY METAL REDUCTION (HM)

This dual action filter contains granular carbon as well as KDF oxidation/reduction media to significantly reduce:

- | | |
|-----------------------------|--------------|
| > Aluminium | > Odour |
| > Lead | > Chlorine |
| > Heavy Metal Contamination | > Pesticides |
| > Taste | > THMs |

PG - 1120

Part No.	Capacity (L)	Micron (μm)	Optimal Flow for Reduction (lpm)
Suit 10" Standard Housings (10" x 2.5")			
KDC10	2,000	0.5	2.3



FLUORIDE REDUCTION (FR)

Dual action filter contains granular carbon as well as pre-conditioned Actival, a fluoride selective media. The cartridge can also reduce:

- | | |
|------------|--------------|
| > Fluoride | > Chlorine |
| > Arsenic | > Pesticides |
| > Taste | > THMs |
| > Odour | |

PG - 1120

Part No.	Capacity (L)	Micron (μm)	Optimal Flow for Reduction (lpm)
Suit 10" Standard Housings (10" x 2.5")			
AFAC10	2,000	5	2



ARSENIC REDUCTION (AR)

Cartridge contains a ferric oxide media which can efficiently reduce:

- | |
|---|
| > Arsenic (III) |
| > Arsenic (IV) |
| > Zinc |
| > Most Heavy Metals (testing is required) |

PG - 1120

Part No.	Capacity (L)	Micron (μm)	Optimal Flow for Reduction (lpm)
Suit 10" Standard Housings (10" x 2.5")			
ARC10	4,000	25	2



DEIONISING (DI)

- | |
|--|
| > High capacity, semiconductor grade resin cartridges, ideal for use in pharmaceutical and medical laboratories, cosmetics and circuit board printing applications |
| > Convenient, cost effective for applications where low levels of total organic carbon (TOC) and total dissolved solids (TDS) are required |

PG - 1120

Part No.	Capacity (L)	Micron (μm)	Optimal Flow for Reduction (lpm)
Suit 10" Standard Housings (10" x 2.5")			
DIC10	28,000	5	1

Water Filtration & Purification



MICROLENE UNDER BENCH PURIFIED DRINKING WATER SYSTEM (UB)

- > Reduce unwanted contaminants that affect the taste and odour of your drinking water with a quality Microlene purified drinking water system
- > Microlene cartridges last up to three years and are more cost effective than regular cartridges that require replacement every three to six months
- > Save water, Microlene does not reject water to waste like reverse osmosis systems
- > Under Bench kits include a high quality chrome bench top tap, long life Microlene filter and full installation kit – fitment to mains water supplies normally requires installation by a licensed plumber
- > Watermark Certified (License no. 02596)

PG - 1110

The latest addition to the Microlene range includes the QUICK CONNECT system, allowing fast and easy purifier replacement. Available in both Premium and Standard Microlene kits. Conversion kits are also available. Ask your Davey representative today.



Part No.	Description	Flow Rate	Hygienic Life
URBAN (Mains / Town water)			
MPQCUBS	Urban Quick Connect Premium Under Bench Kit – 10 micron down to 1 micron filtration for water clarity. Includes Granulated Activated Carbon to improve taste and odour and KDF media to extend cartridge life	4 lpm	30,000 litres or 3 years
MQCPP	Urban Quick Connect Premium Under Bench Replacement Purifier	4 lpm	30,000 litres or 3 years
MPUBS	Urban Standard Under Bench Kit – 10 micron down to 1 micron filtration for water clarity. Includes Granulated Activated Carbon to improve taste and odour and KDF media to extend cartridge life	4 lpm	30,000 litres or 3 years
MPP	Urban Standard Under Bench Replacement Purifier	4 lpm	30,000 litres or 3 years
RURAL (Rainwater)			
MSQCUBS	Rural Quick Connect Premium Under Bench Kit – 10 micron down to 1 micron filtration for water clarity. Includes Granulated Activated Carbon to improve taste and odour	4 lpm	10,000 litres or 2 years
MQCSP	Rural Quick Connect Premium Under Bench Replacement Purifier	4 lpm	10,000 litres or 2 years
MSUBS	Rural Standard Under Bench Kit – 10 micron down to 1 micron filtration for water clarity. Includes Granulated Activated Carbon to improve taste and odour	4 lpm	10,000 litres or 2 years
MSP	Rural Standard Under Bench Replacement Purifier	4 lpm	10,000 litres or 2 years

MICROLENE QUICK CONNECT CONVERSION KIT

MQCKP	Microlene Quick Connect Urban Conversion Kit includes Quick Connect head, fittings and Urban Premium Purifier	3 years
MQCKS	Microlene Quick Connect Rural Conversion Kit includes Quick Connect head, fittings and Rural Premium Purifier	2 years

Note: To replace original Microlene cartridges, use new standard cartridges above • WMTRC1 use MPP • WMRRC1 use MSP



WHY QUICK CONNECT?

1. Quick and easy cartridge replacement!
2. No need to isolate the water supply.
3. Save the cost of a plumber and DIY!

MICROLENE BENCHTOP KIT

WMRBT1	Microlene Rainwater Benchtop Kit - 10 micron down to 1 micron filtration for water clarity. Includes Granulated Activated Carbon to improve taste and odour	4 lpm	10,000 litres or 2 years
WMRRC2	Replacement benchtop rainwater cartridge	4 lpm	10,000 litres or 2 years

ACCESSORIES

Part No.	Description	Product Group
EJG14ETEE	Tee connector 1/4" tube OD	1111
EUBTAP2	Replacement Microlene tap – suits Under Bench models only	1111
44491SP	O-rings for Microlene Tap - suits all models	4010



TWIN FILTER HOUSINGS KIT (FH)

PG - 9033

- > Ready to install, stand alone dual filter kit, supplied with the choice of dual 10" or 20" jumbo housings, with matching 20 micron pleated and 1 micron polypun filtration cartridges
- > Perfectly matched to Davey's 50 and 70 lpm UV models for installation flexibility
- > Install two kits when higher flow rates are required

Part No.	Description	Max. Pressure (kPa)
KAS10J	Dual 10" jumbo filter pack, 2 x 10" jumbo housings and filters	850
KAS20J	Dual 20" jumbo filter pack, 2 x 20" jumbo housings and filters	620

TWIN FILTER HOUSINGS - FILTERS PURCHASED SEPARATELY

PG - 1121

Part No.	Description	Max. Pressure (kPa)
AS10J	10" jumbo housings	850
AS20J	20" jumbo housings	620

FLOW RATE GUIDE

Application	Outlets	Flow Range (lpm)	Housing
Drinking Tap, Point of Use	1	4 to 8	10" x ½"
Point of Use or Small House	2	4 to 30	10" x ¾"
Whole of House - Small House	4	8 to 60	20" Standard
Whole of House - Medium House	4	20 to 75	10" Jumbo
Whole of House - Large House	6	40 to 120	20" Jumbo



FILTER HOUSINGS (FH)

PG - 1121

- > Davey's filter housings are constructed from reinforced polypropylene for durability
- > Supplied with mounting brackets and hardware for easy installation
- > Pressure relief valve available on most models

Part No.	Description	Inlet/Outlet	Max. Pressure (kPa)
W10	10" Standard for single tap (white)	½"	850
W10PR	10" Standard for single tap, with pressure relief	¾"	850
W20PR	20" Standard for small to medium homes, with pressure relief and spanner (white)	¾"	620
W10J25MM	10" Jumbo for small homes, with pressure relief and spanner (white)	1"	850
W20J25MM	20" Jumbo for medium to large homes, with pressure relief and spanner (white)	1"	620
W20J40MM	20" Jumbo for medium to large homes, with pressure relief and spanner (white)	1½"	620

ACCESSORIES

Part No.	Description	Product Group
ESPAW10-FG	10" Standard Spanner	1121
ESPAW20-FG	20" Standard Spanner	1121
13602SP	Jumbo Spanner	4010
ORW10	10" Standard O-ring	4010
ORW20	20" Standard O-ring	4010
ORJSP	Jumbo O-ring	4010

Microlene Max – Residential

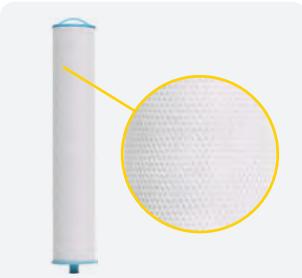


STANDARD RESIDENTIAL FILTRATION CARTRIDGE TANK

PG - 9033

- > 100% non-metallic. Lightweight and cost effective housing with high chemical compatibility
- > Simple and easy change-out cartridges. Patented no-tools necessary snap-ring design NSF 44 listed device and has been tested to 150 psi operating pressure with 4:1 Burst Safety Factor.
- > Extended service life, contaminent removal, and dirt holding capacity
- > Low pressure drop = High flow

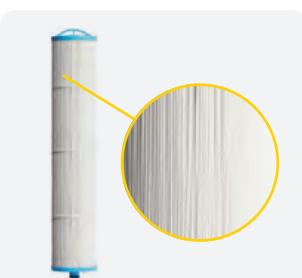
Part No.	Description	Plumbing Connection
CTA0840BBBKP5-03S00	Residential cartridge tank	1 1/4"



HIGH CAPACITY CARBON FILTERS

- > Effective at reducing unwanted bad taste and odor along with chlorine taste and odor from potable drinking water.
- > Ideal as polishing or pre-filters in applications requiring fine filtration and high capacity.
- > All components and materials are made with FDA approved materials, and Manufactured from NSF 61.

Part No.	Capacity (L)	Micron (μm)	Optimal Flow for Reduction (lpm)
CT-03-CB	946,000	3	55



NANOAL PLEATED INNER FILTER with AGION BIOSTAT

- > Pleated filter made of thermally bonded blend of micro-glass fibers and cellulose which successfully remove contaminants from 1 to 0.2 microns. The filters are designed with a larger 20 micron pre-filtration layer externally and the charged media internally, extending filtration level contamination and service life, while achieving high flow and low pressure drop.
- > Agion antimicrobial technology that provides built-in protection by working 24/7 resisting the growth of microbes.
- > Significant improvement to RO membrane performance, life and overall operating cost by reducing fouling.

Part No.	Micron (μm)	Maximum Flow (lpm)
CT-20NANO-AG	20 to 0.2	230



STRING WOUND PRE-FILTER with MELTBLOWN CORE

- > Large diameter pre-filter reduces particulate loading on the post filter allowing it to perform at higher velocities, capturing fine sediment, sand, silt, rust and scale particles of 20 microns. This equates to higher particulate reduction and added loading capacity.
- > The Meltbrown core captures 5 micron particles, this dual combination filter extends the life of the inner-cartridge by eliminating premature caking and prevents down stream media migration common in string cartridges.
- > Significant improvement to RO membrane performance, life and overall operating cost by reducing fouling

Part No.	Micron (μm)	Maximum Flow (lpm)
CT-2005-SWMB	20 to 5	230



ACQUASAFE (TD)

PG - 1181

- An environmentally safe, tasteless and odourless formula used for tankwater disinfection, lasting for up to 2 months*
- Destroys virtually all bacteria and viruses and is non-toxic, breaking down into oxygen and water
- The key ingredient in Acquasafe is Sanosil, exclusively supplied to Davey for tankwater disinfection
- Recommended dosage is 1 litre per 15,000 litres of tank water. Regular monitoring using Acquasafe test strips is essential to ensure your tank water remains safe

Part No.	Description
AS-1	Acquasafe 1 Litre, single pack
AS-5	Acquasafe 5 Litre, single pack
AS-25	Acquasafe 25 Litre, single pack
AS-TS*20	20 Acquasafe Test Strips

Water Softening



WATER SOFTENERS

PG - 1165

- Hard water is naturally occurring and contains excess levels of dissolved minerals such as calcium, magnesium, manganese and iron resulting in scale buildup
- Davey Kinetico Water Softeners are an easy solution, offering an uninterrupted supply of soft water to the home using their non-electric, twin tank system
- Using less salt than traditional electric timer systems, it uses soft water to regenerate only when the water demand has been met, not at a set time or day
- Model selection is based on a water test and the total daily demand required. Contact customer support for further information

Units supplied with number 4 metering disc. SUMO II model does not require metering discs

Part No.	Description	Max Iron (Ferrous)	Max. Hardness	Peak/Service Flow	Connections	Salt Included
KSUMO2	Mains single tank water softener (not suitable for iron removal)	0 mg/l	850mg/l	45/35 lpm	20mm BSPM	9 x 1.8kg block salt
KM2025S	Water softener for medium water hardness – includes 20 micron prefilter and by-pass valve	2 mg/l	428mg/l	45/30 lpm	25mm	1 x 25kg
KM2060S	Water softener for high water hardness – includes 20 micron prefilter and by-pass valve	6 mg/l	1129mg/l	68 / 44 lpm	32mm	5 x 25kg
KM2060SOD	High flow water softener for medium water hardness – includes 20 micron prefilter and by-pass valve	6 mg/l	513mg/l	114 / 78 lpm	32mm	5 x 25kg



QUESTIONS TO ASK

1. Has a chemical water test been obtained?
2. What is the peak and daily water demand?
3. What is the water source?
4. What will the water be used for?

Specifications		SUMO II	KM2025S	KM2060S	KM2060SOD
Peak Flow Rate		45 lpm	45 lpm	68 lpm	114 lpm
Service Flow Rate		35 lpm	30 lpm	44 lpm	78 lpm
Maximum Hardness		850mg/l	428mg/l	1129mg/l	513mg/l
Regeneration Time		18 minutes	29 minutes	45 minutes	45 minutes
Maximum Iron (ferrous)		0mg/l	2mg/l	6mg/l	6mg/l
Maximum Salt Use Per Regeneration		0.59kg	0.6kg	2.0kg	2.0kg
Maximum Litres Processed Before Regeneration		2687 lpm	2771 lpm	4743 lpm	12000 lpm
Maximum Continuous Flow to Storage		N/R	30 lpm*	44 lpm*	79 lpm*
Hardness	Total Hardness level (mg/L CaCO ₃)	Disc number / water produced between regeneration (litres) (Note: Does not apply to SUMOII)			
Moderately Hard	20-60	NA	1 / 2,771	1 / 4,743	1 / 12,000
Hard	60-120	NA	2 / 1,385	1 / 4,743	2 / 6,000
Very Hard	120-180	NA	3 / 924	2 / 2,373	3 / 4,000
Very, Very Hard	180-250	NA	4 / 693	4 / 1,185	4 / 3,000
Extremely Hard	Over 250	NA	5 / 553	4 / 1,185	5 / 2,400

* Maximum litres assumes minimum hardness. Subject to disk selection – refer to technical datasheet

Water Softening

WHAT ELSE WILL YOU GET WITH A DAVEY KINETICO WATER SOFTENER?

> High Flow Rates

You'll enjoy some of the highest system flow rates in the industry with up to two times the water production.

> Larger Porting Size

Eliminates Plumbing Restrictions.

> Greater Efficiency

Kinetico systems are even more environmentally friendly—up to 24 percent more water efficient than standard models and up to 75 percent more salt efficient than competitors' models.

> Non-Electric Operation

There's nothing to plug in, no buttons to push, timers to set and reset, or adjustments to make.

> Demand Operation

Kinetico systems operate only when they need to saving you water, regenerant, time and money.

> Twin Tank Design

Soft water is available 24 hours a day, seven days a week. Service keeps switching from tank to tank, so one tank will always be ready to soften your water, no matter how much water you use in a day.

> Iron Removal

In addition to softening water, Kinetico water softeners can remove soluble iron* from water.

*Iron removal capabilities are dependent on the type and concentration of iron as well as your water's other conditions

With Technology by Kinetico
 Kinetico

> 10 good reasons to check with your authorised Davey Kinetico Dealer.

		Kinetico Water Conditioner	Single Tank Electric Timer Water Softeners
1	Non-Electric.	YES	NO
2	System design eliminates timer, solenoid and microprocessor problems.	YES	NO
3	System has two softening tanks.	YES	NO
4	Conditioned water is used to regenerate the conditioner during all phases of the regeneration process.	YES	NO
5	Conditioned water is available for use during regeneration.	YES	NO
6	Control valve parts operate in clean, conditioned water.	YES	NO
7	System provides an uninterrupted supply of conditioned water.	YES	NO
8	No unnecessary reserve capacities are required to handle additional demand for conditioned water.	YES	NO
9	No special cycles or by-pass adjustments are required when you have guests or before you leave for vacation.	YES	NO
10	System regenerates only when necessary based on water usage and not at a preset interval.	YES	NO



AUTO BACKWASH FILTER

- For the removal of sediment and ferric iron (visible iron) on disinfected water supplies
- Supplied with macrolite media on a bed of gravel for superior filtration down to 5 micron
- Autobackwashing based on water usage

PG - 1163

Part No.	Description	Peak/Service Flow	Connections	Macrolite included
MACH2060FOD	Automatic backwashing Macrolite media filter – 5 micron	45 / 30 lpm	32mm	27kg



QUADRA-FLO SYSTEMS (DUAL FUNCTIONS)

- Autobackwashing based on water usage
- First stage 5 micron filtration with durable Macrolite media
- Second stage activated carbon filtration for the reduction of taste, colour and odour

PG - 1163

Part No.	Description	Inlet/Outlet	Service Flow /Peak	Max. Salt per Regen.	Maximum Iron
E4060FODMACAC	4060F OD ceramic/carbon filter (RURAL)	32 BSPM	42/42 lpm	N/A	N/A



MULTIMEDIA FILTERS

- Supplied with filter media
- Economic means of removing bulk particles from water supplies
- Filter bed is kept clean by regular backwashing to waste
- Manual and automatic models available

PG - 1166

Part No.	Description	Service Flow Rate (lpm)	Backwash Flow Rate (lpm)	Max. Operating Pressure (kPa)	Inlet/Outlet (mm)	Backwash Valve
ETFM9	9" Multimedia Filter – Manual Backwash	40	23	690	20	Manual
ETFM12	12" Multimedia Filter – Manual Backwash	70	41	690	20	Manual
EAFM9	9" Multimedia Filter – Automatic Backwash	40	23	690	25	Automatic
EAFM12	12" Multimedia Filter – Automatic Backwash	70	41	690	25	Automatic



CARBON FILTERS

- Supplied with filter media
- Granular activated carbon filters for removing taste and odour from chlorine present in municipal supplies
- Also greatly reduces colour, organic chemicals, pesticides and herbicides
- Manual and automatic models available

PG - 1166

Part No.	Description	Service Flow Rate (lpm)	Backwash Flow Rate (lpm)	Max. Operating Pressure (kPa)	Inlet/Outlet (mm)	Backwash Valve
ETFC9	9" Carbon Filter – Manual Backwash	20-40	16	690	20	Manual
ETFC12	12" Carbon Filter – Manual Backwash	40-60	25	690	20	Manual
E AFC9	9" Carbon Filter – Automatic Backwash	20-40	16	690	25	Automatic
E AFC12	12" Carbon Filter – Automatic Backwash	40-60	25	690	25	Automatic

Treatment Systems



NEUTRALISING FILTERS

- Supplied with filter media – choose between slowly dissolving calcite or fast dissolving akdolit for a larger pH increase
- Neutralising filtration is used to increase the pH of water typically stored in plastic or fibreglass tanks
- Low pH is particularly corrosive to copper and brass often causing 'green staining' and can prematurely destroy hot water cylinders
- Manual and automatic models available

PG - 1166

Part No.	Description	Service Flow Rate (lpm)	Backwash Flow Rate (lpm)	Max. Operating Pressure (kPa)	Inlet/Outlet (mm)	Backwash Valve
EXFN9	9" Neutralising Filter - Fluidised Bed	20-40	16	690	25 (F)	N/A
EXFN12	12" Neutralising Filter - Fluidised Bed	40-70	25	690	25 (F)	N/A
ETFN7	7" Neutralising Filter – Manual Backwash	10-20	10	690	25 (M)	Manual
ETFN9	9" Neutralising Filter – Manual Backwash	20-40	16	690	25 (M)	Manual
ETFN12	12" Neutralising Filter – Manual Backwash	40-70	25	690	25 (M)	Manual
EAFN9	9" Neutralising Filter – Automatic Backwash	20-40	16	690	25 (M)	Automatic
EAFN12	12" Neutralising Filter – Automatic Backwash	40-70	25	690	25 (M)	Automatic

Water Treatment Media

FILTER MEDIA REQUIREMENTS						
Multimedia Filters	Load from the bottom		ETFM9, EAFM9		ETFM12, EAFM12	
	1st		9kg D1 garnet EM24		22kg D1 garnet EM24	
	2nd		5kg D2 garnet EM14		10kg D2 garnet EM14	
	3rd		9kg 7m sand EM17		22kg 7m sand EM17	
	4th		8kg anthracite or 7kg filter coal EM18		20kg anthracite or 18kg filter coal EM18	
Carbon Filters	Load from the bottom		ETFC9, EAFC9		ETFC12, EAFC12	
	1st		5kg gravel EM10A		10kg gravel EM10A	
	2nd		10kg carbon EM1IA		17kg carbon EM1IA	
Neutralising Filters	Load from the bottom		ETFN6	ETFN7	EXFN9, ETFN9, EAFN9	EXFN12, ETFN12, EAFN12
	1st			5kg gravel EM10A	5kg gravel EM10A	10kg gravel EM10A
	2nd		6.5kg neutrafil/calcite EM23/EM23C	14kg neutrafil/calcite EM23/EM23C	25kg neutrafil/calcite EM23/EM23C	60kg neutrafil/calcite EM23/EM23C
Backwash Filters	Load from the bottom			MACH2060FOD		
	1st			2.7kg gravel EM10A		
	2nd			27kg Macrolite E6784		

Commercial UV



MICROLENE STERIFLO – HIGH FLOW

- Designed for economical disinfection of water for large scale water treatment such as farm washdown, irrigation and non-validated potable water supplies
- Supplied standard with an electropolished 316 stainless steel chamber, UV sensor and amalgam lamps
- Features a programmable LED display control panel with plug and play connections
- Web based remote access is available as an option on some models

PG - 1134

Part No.	Maximum Flow	Inlet / Outlet
ACX2	25 m³/hr	80mm Table E
ALX2/6	35 m³/hr	80mm Table E
ALX2/8	45 m³/hr	80mm Table E
ALX4/6	70 m³/hr	100mm Table E
ALX4/8	85 m³/hr	100mm Table E
ALX6/10	150 m³/hr	125mm Table E
ALX8/10	200 m³/hr	150mm Table E
ALX8/12	240 m³/hr	150mm Table E
ALX10/12	275 m³/hr	150mm Table E

CONSUMABLES – LAMPS, SLEEVES AND O-RINGS

PG - 1135

Part No.	Description	Suits
Lamps		
GIA840NW	UV Lamp	ACX2
GIA1554NW	UV Lamp	Commercial ALX models
Quartz Sleeves		
TT1575	Quartz Sleeve	Commercial ALX models
TT900	Quartz Sleeve	ACX2
O-rings		
32833	O-ring (2 pack)	ACX2, ALX models

HOT WATER UV SYSTEMS

- > All units tested to NSF standard 55 Class A cyst reduction
- > Turbidity not to exceed 1NTU, treat the stated flows at 85% UVT

PG - 1134

Part No.	Description	Flow Rate
EHW3(BASIC)	Steriflo Hotwater UV System	50 lpm
EHW5(BASIC)	Steriflo Hotwater UV System	83 lpm
EHW10(BASIC)	Steriflo Hotwater UV System	166 lpm

*Flow rates assume sewage is well treated prior to UV

Commercial Water Softening

WATER SOFTENERS

- > Twin-tank, non-electric water softener that will automatically provide soft water, 24/7
- > Durable design - built to withstand moist, dusty and dirty conditions
- > Clean Water Rinse - Prolongs the lifetime of the filter by cleaning itself with the same high quality filtered water it produces
- > Model selection is based on a water test and the total daily demand required. Contact customer support for further information

Units supplied with number 4 metering disc.

With Technology by Kinetico
 Kinetico

PG - 1165

Part No.	Description	Inlet/Outlet	Service Flow /Peak	Max. Salt per Regen.	Maximum Iron
High Capacity Commercial Softeners					
ECP213S	CP213S	32 BSPM	76/141 lpm	11.3 kg	12 mg/l
ECP213SOD	CP213S Overdrive	32 BSPM	61/151 lpm	11.3 kg	12 mg/l
ECP216SOD	CP216S Overdrive	32 BSPM	68/178 lpm	18.1 kg	12 mg/l

Note: Larger capacity models using the advanced and efficient Hydrus technology from Kinetico are available on request.

Commercial Filters

MACH OVERDRIVE FILTERS

- > Non-electric design eliminates the need for timers and provides efficient, reliable, low-cost operation
- > Full port size offers maximum flow with minimum pressure loss
- > Corrosion, heat and moisture resistant tanks can withstand the harshest environments
- > Filtered water is used to backwash the system, maximizing both media performance and improving water quality

PG - 1165

Part No.	Description	Service Flow	Peak Flow
Para-Flo Backwashing Filters			
E2100FODMAC	Mach 2100F OD Macrolite (5 micron nominal)	38 lpm	68 lpm
EOP213FODMAC	CP213F OD Macrolite (5 micron nominal)	57 lpm	76 lpm
E2100FODAC	Mach 2100F OD carbon	38 lpm	68 lpm
ECP213FODAC	CP213F OD carbon	56 lpm	76 lpm

Note: Larger capacity models using the advanced and efficient Hydrus technology from Kinetico are available on request.

Industrial Filters & Housings



INDUSTRIAL HOUSINGS

PG - 1123

- Constructed from 304SS, these industrial filters are durable and with their '7 around' design offers greater flow rates at reduced pressure loss
- Handling operating pressures up to 1000kPa these filters can be used in a wide range of applications
- Housing and filters sold separately

Part No.	Description	Inlet /Outlet
FP7X40A	Industrial 40" Housing only	2"

INDUSTRIAL FILTERS – Alternative filter options available on request

PG - 1122

Part No.	Description	Maximum System Flow	Size	Filters Required
EPX01-40	1 micron depth filter	280 lpm	40"	7
EPX05-40	5 micron depth filter	300 lpm	40"	7
EPX01-40-ESS	1 micron depth filter (close end)	280 lpm	40"	7
EZCORE01-40-YYP	ZCore cyst safe	280 lpm	40"	7
EABS.ZA01-40YYP	1 micron absolute DOE	280 lpm	40"	7

304 STAINLESS STEEL INDUSTRIAL HOUSINGS – 10" & 20" JUMBO

PG - 1123

Part No.	Description	Inlet/Outlet
W10JSS40	10" Jumbo Stainless Steel Cartridge Housing	1½"
W20JSS40	20" Jumbo Stainless Steel Cartridge Housing	1"



INDUSTRIAL 40" BAG HOUSING

PG - 1123

- Constructed of 304SS these industrial bag filters are a great alternative to multicartridge housings where frequent cartridge replacement can be costly
- Handles operating pressure up to 1000kpa and includes vent valve and pressure gauge
- Housings and bag filters sold separately, other micron variants available on request
- Not recommended for final stage fine micron filtration or cyst removal

Part No.	Description	Inlet /Outlet
FPBAGX40	Industrial 40" Bag Housing	2"

INDUSTRIAL BAG FILTER

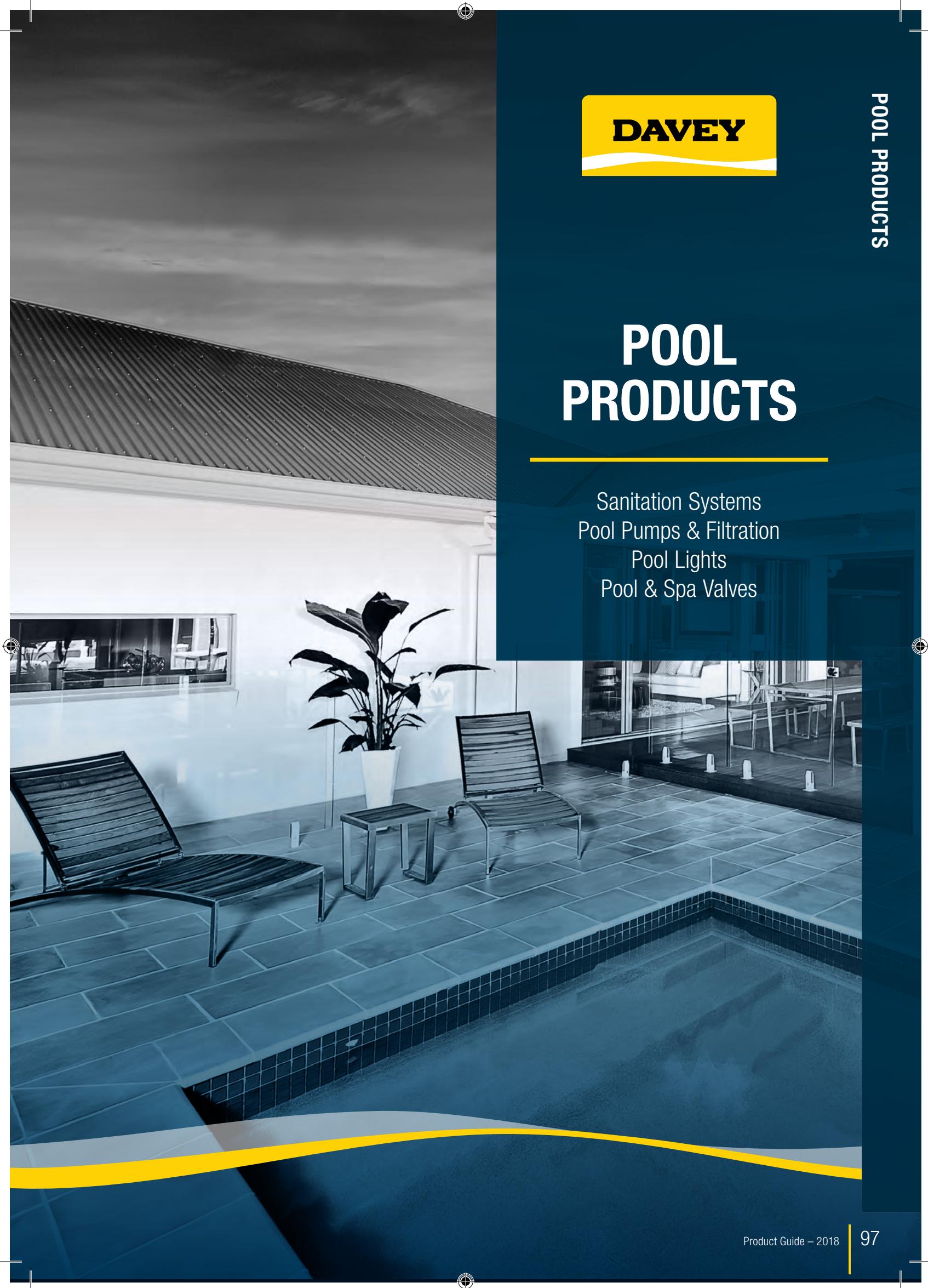
PG - 1122

Part No.	Description	Maximum System Flow
E20BAG	Nylon bag filter to suit above – 20 micron	up to 582 lpm
402720	Nylon bag filter to suit above – 1700 micron	up to 612 lpm

DAVEY

POOL PRODUCTS

Sanitation Systems
Pool Pumps & Filtration
Pool Lights
Pool & Spa Valves



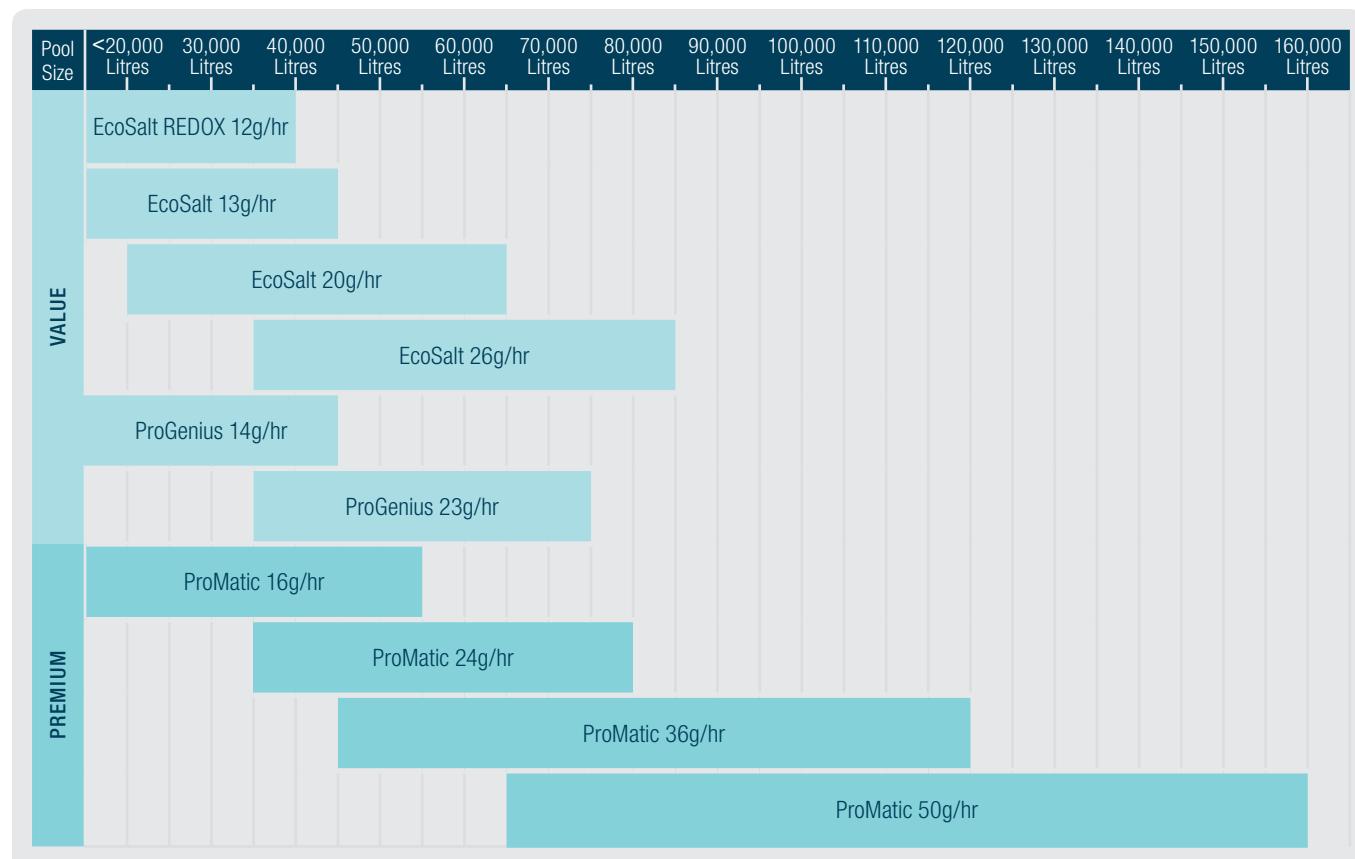


POOL SANITATION SYSTEMS

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Salt Water Chlorinator Selection Guide

SELECT THE RIGHT SALT WATER SANITISER/CHLORINATOR FOR YOUR POOL



Note: Salt Water Chlorinator sizing is a guide only. Chlorinator model recommended for given pool size (litres), is climate dependent and based on an average run time of 8 hours per day.

Salt Water Chlorinators



PG - 3002



DAVEY
EcoSalt®
REDOX

SALT WATER SANITISERS

- > Proven EcoSalt technology with inbuilt REDOX (ORP) control
 - ideal for indoor and sheltered pools, pools with covers and swim spas
- > Automatic control of oxidiser levels - keeps pools and spas safe to swim in
- > Able to generate Chlorine or Bromine - Ideal for swim spas
- > Easy to operate - "set and forget"
- > Easy to install

Model No.	Output
MC120RP	12 g/hr



DAVEY
EcoSalt®

SALT WATER SANITISERS

- > Enjoyable swimming experience with an eco-friendly low cost chlorine solution
- > Compact, low maintenance and easy to use - suited for the "cassette market"
- > Compact high performance in-line electrolytic cell
- > Improved bather comfort - no skin or eye irritation
- > Range of models for residential pools up to 85m³
- > Flow switch for detection of low flow and no flow

Model No.	Output
DES13CE	13 g/hr
DES20CE	20 g/hr
DES26CE	26 g/hr



DAVEY
ProGenius®

PG - 3002

2 IN 1 SALT WATER SANITISER AND CONTROLLER

- > Filtration pump connection with "motor overload protector"
- > Compact high performance in-line electrolytic cell
- > Flow switch for detection of low flow and no flow
- > Connection for ORP & pH controllers, cover mode connection
- > Inbuilt LED light transformer and switch for connection to pool lights
- > EziSet digital timer for easy control of filtration cycles

Model No.	Output
DPG14	14 g/hr
DPG23	23 g/hr



DAVEY
ProMatic®

PG - 3001

SALT WATER CHLORINATORS

- > Quick installation, simple displays for easy diagnostic
- > Long life reverse polarity cell – minimizes cell cleaning
- > Choice of models for residential pools up to 160m³
- > Pool cover connectivity – Helps prevent over chlorination
- > Inbuilt protection against no flow, low temperature and low salt
- > External pH and ORP controls available

Model No.	Output
MPS16CE	16 g/hr
MPS24CE	24 g/hr
MPS36CE	36 g/hr
MPS50CE	50 g/hr

Salt Water Chlorinators



PH PERISTALTIC DOSING PUMP & CONTROL

- > Automatically doses and maintains safe pH acid levels in your pool
- > Low maintenance, less chemicals to handle and use
- > Easy to install – plug and play
- > Has low pH and high alarms which stop the pump and displays the current status
- > Compliments and assists in the disinfection of salt water chlorinators, chlorine and liquid chlorine systems
- > 100% compatible with pool acid commonly used to help balance your pool pH levels

PG - 3004

Model No.	Description	Depth	Width	Height
M5138	Suits EcoSalt, ProMatic, ProGenius and other Non Davey chlorinators	120mm	105mm	140mm

ELECTRICAL DATA

Voltage (V)	Supply Freq/Phase	Enclosure Class IP	Approval
240	50Hz/1ph	IPX4	SGS-131220-EA



Regul•matic

SALT WATER CHLORINATOR PRODUCTION CONTROLLER

- > Limit production and avoid chlorine excess
- > Increases chlorinator cell life
- > Protects liners and shutters from superchlorination
- > Prominent Redox probe for optimal reliability

Model No.	Voltage (V)
REG11	240

Replacement Cells



PG - 3003

POOL SANITATION
SYSTEMS



EcoSalt DES

Model No.	Description
In-line EcoSalt Replacement Cells*	
DESILC13REP	13 g/hr – DES13 model
DESILC20REP	20 g/hr – DES20 model
DESILC26REP	26 g/hr – DES26 model

*flow switch not supplied



EcoSalt

BMSC EcoSalt Replacement Cells

M0681REP	MES / BMSC 13
M0682REP	MES / BMSC 20
M0683REP	MES / BMSC 26

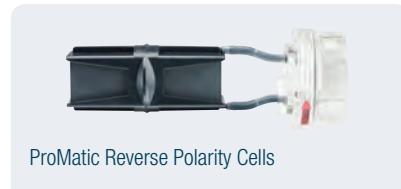


ProGenius

ProGenius Replacement Cells*

DILC14	14 g/hr – DPG14 model
DILC23	23 g/hr – DPG23 model

*flow switch not supplied



ProMatic Reverse Polarity Cells

For ProMatic models (Reverse polarity cells)

M0656FRA	ESC 16 Cell
M0657FRA	ESC 24/36/40 Cell



ChloroMatic Non-Reversing Cells

For ChloroMatic and AquaChlor models (Non-reversing cells – ESR)

M0753REP	E160 / C220 Cell
M0755REP	E200 / C260 Cell
M0759REP	E300 / C520 Cell



AquaChlor Reverse Polarity Cells

For AquaChlor models (Reverse polarity cells)

MS3600328	AquaChlor C330 SC Cell
-----------	------------------------



ESC MAX

PG - 3005

For ESC MAX and MPS50CE (Reverse polarity cells)

M4922SP (ESC MAX / MPS50CE)	50 g/hr Cell
M4923SP (ESC MAX PLUS)	100 g/hr Cell

POOL & SPA VALVES

POOL PUMPING
& FILTRATION

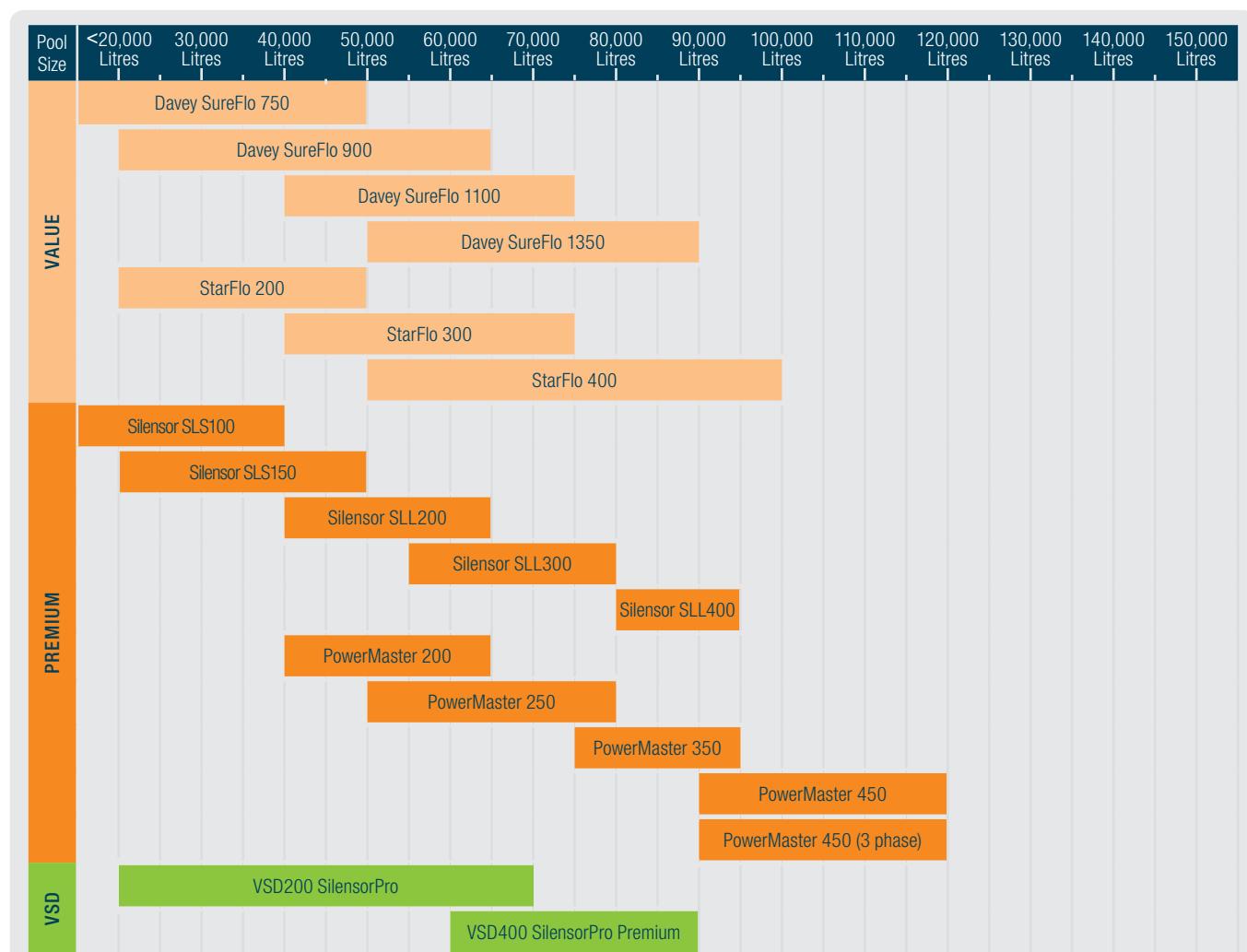


POOL PUMPING & FILTRATION

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Pump Selection Guide

SELECT THE RIGHT PUMP FOR YOUR POOL



Note: The figures in the selection chart are guidelines only and are based on a 4 hours recirculation time with flows at 8m head. Please ask your Davey Dealer or contact the Davey Support Centre for proper sizing advice.

Swimming Pool Pumps

DAVEY

PG - 3018



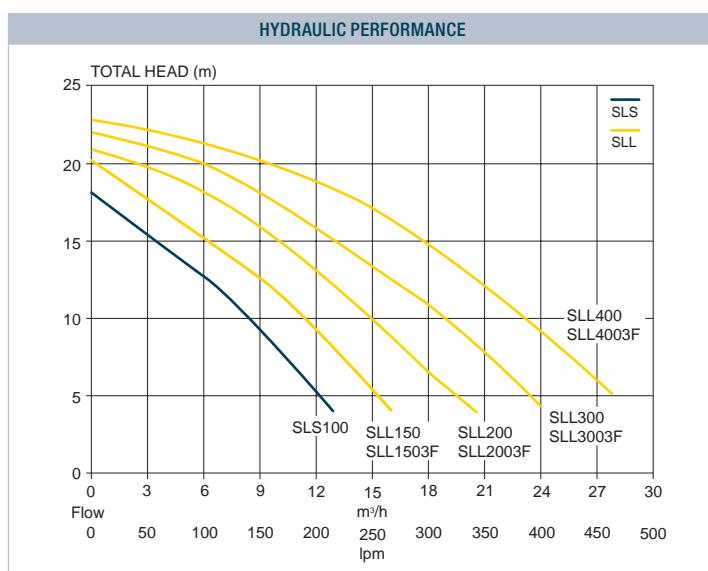
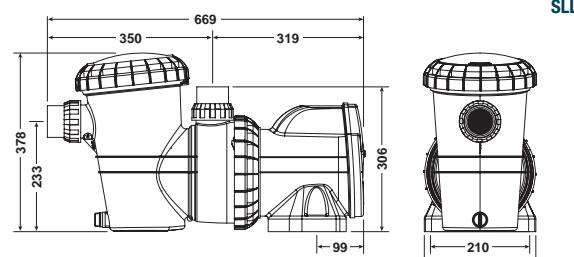
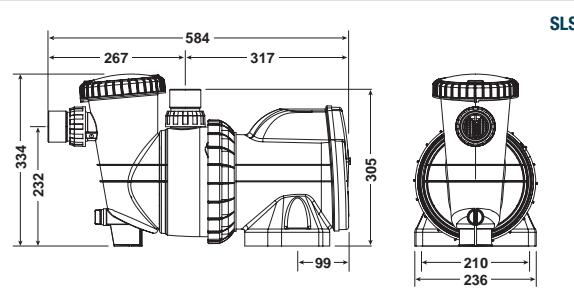
SILENSOR® by DAVEY

SUPER QUIET SWIMMING POOL PUMP

- Super quiet operation, rated between 54 and 56dBA
- High efficiency, making them the ideal choice for modern swimming pools
- The SLS100 is ideal for smaller pools with space limitations
- SLL models offer a large 4.5 litre leaf basket for long intervals between cleaning
- Patented 'water-cooled technology'

Model No.	Input		Output	
	hp	W	hp	W
SLS100	1.0	740	0.7	525
SLL150	1.2	860	0.8	620
SLL200	1.5	1130	1.1	830
SLL300	1.9	1400	1.3	960
SLL400	2.4	1760	1.6	1200
SLL1503F	1.2	860	0.8	620
SLL2003F	1.5	1130	1.1	830
SLL3003F	1.9	1400	1.3	960
SLL4003F	2.4	1760	1.6	1200

DIMENSIONS (mm)				
Model	Mounting Holes Diameter (mm)	Inlet PVC (mm)	Outlet PVC (mm)	Net Weight (kg)
SLS100	10 x 34 Deep	40	40	11.0
SLL150		50	50	11.0
SLL200		50	50	12.5
SLL300		63	63	12.5
SLL400		63	63	13.0
SLL1503F		50	50	11.0
SLL2003F		50	50	12.5
SLL3003F		63	63	12.5
SLL4003F		63	63	13.0



Swimming Pool Pumps

POOL SANITATION SYSTEMS

POOL PUMPING & FILTRATION

POOL LIGHTS

POOL & SPA VALVES

SUPER QUIET



PG - 3017

SILENSOR[®] PRO
by DAVEY

SUPER QUIET, WATER COOLED PUMP WITH ADAPTIVE SPEED TECHNOLOGY

- > Bluetooth programmable filtration schedule and speeds
- saves money for the consumer
- > Constant flow compensation – saves on energy running costs
- > Controllable priming and maximum speeds - compatible with most filter sizes
- > Weatherproof RJ45 communication port – speed adjustment by external pool controller, pool cover or heat pump
- > Backwash speed cycling technology – effective media cleaning and reducing wasted water

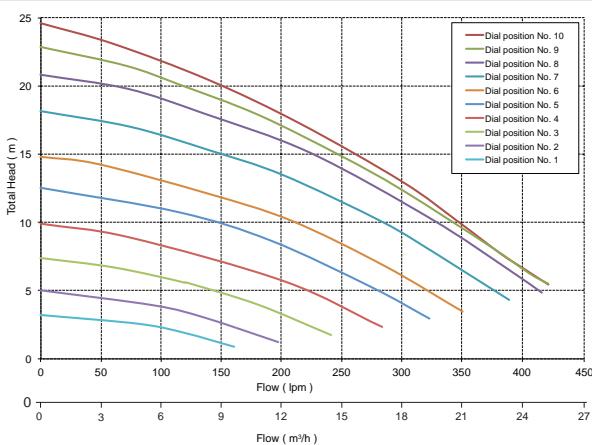


Model No.	Speed Setting	hp	Input W	hp	Output W	Duty Point	Flow Rate
SP400BT	Dial 1	0.17	125	0.12	87.5	1.2	146
	Dial 2	0.28	207	0.19	144.9	1.8	178
	Dial 3	0.46	343	0.32	240.1	2.6	218
	Dial 4	0.69	514	0.48	359.8	3.6	255
	Dial 5	0.97	724	0.68	506.8	4.7	290
	Dial 6	1.21	905	0.85	633.5	5.4	314
	Dial 7	1.61	1201	1.13	840.7	6.7	348
	Dial 8	1.97	1469	1.38	1028.3	7.8	373
	Dial 9	2.17	1620	1.58	1180	7.9	378
	Dial 10	2.21	1650	1.64	1220	8	380

DIMENSIONS (mm)

Model	A	B	C	D	E	F	G	H	I	Mounting Holes Diameter	Inlet/Outlet PVC	Net Weight (kg)
SP400BT	305	670	320	350	65	230	380	200	250	10	63	14

HYDRAULIC PERFORMANCE



Swimming Pool Pumps

DAVEY

PG - 3017

POOL SANITATION
SYSTEMS

POOL PUMPING
& FILTRATION

POOL LIGHTS

POOL & SPA VALVES



SILENSOR[®] PRO
by DAVEY

VSD200 ENERGY EFFICIENT POOL PUMP

- > Bluetooth programmable filtration schedule and speeds
 - saves money for the consumer
- > Controllable priming and maximum speeds - compatible with most filter sizes
- > Water cooled design that runs quieter with less vibration - 55dBA on high speed
- > Backwash speed cycling technology – effective media cleaning and reducing wasted water
- > Loss of prime protection - minimises damage if the pump runs dry
- > Thermal cut out, no need for additional safety switch - saves money for the installer

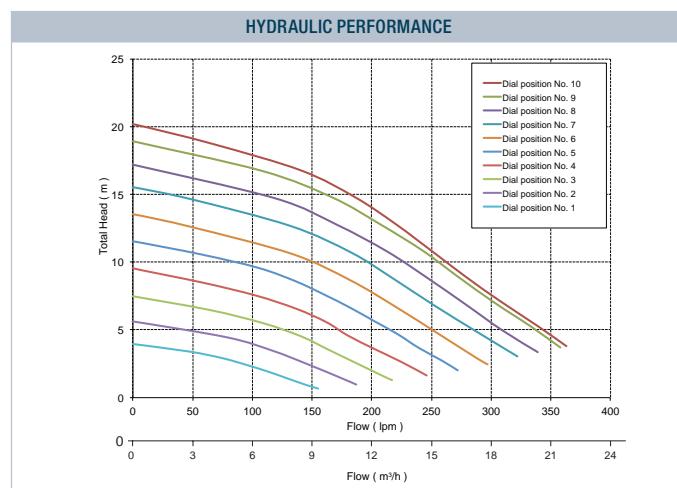


Model No.	Speed Setting	hp	Input W	Output hp	Output W	Duty Point	Flow Rate
SP200BT	Dial 1	0.17	128	0.12	90	2.1	108
	Dial 2	0.28	207	0.19	145	3.0	130
	Dial 3	0.39	293	0.28	205	4.1	151
	Dial 4	0.53	398	0.37	279	5.2	169
	Dial 5	0.70	524	0.49	367	6.4	188
	Dial 6	0.88	655	0.61	459	7.5	205
	Dial 7	1.08	807	0.76	565	8.6	220
	Dial 8	1.26	936	0.88	655	9.7	232
	Dial 9	1.45	1078	1.01	755	10.7	244
	Dial 10	1.49	1111	1.04	778	11.0	248
	Backwash	1.77	1320	1.24	924	12.3	261

DIMENSIONS (mm)

Model	A	B	C	D	E	F	G	H	I	Mounting Holes Diameter	Inlet/Outlet PVC	Net Weight (kg)
SP200BT	305	670	320	350	65	230	380	200	250	10	50*	14

* SP200BT includes a 2 piece 50mm barrel union and nut



Swimming Pool Pumps

POOL SANITATION
SYSTEMS

POOL PUMPING
& FILTRATION

POOL LIGHTS

POOL & SPA VALVES



PG - 3015

DAVEY PowerMaster®

FIXED SPEED POOL PUMPS

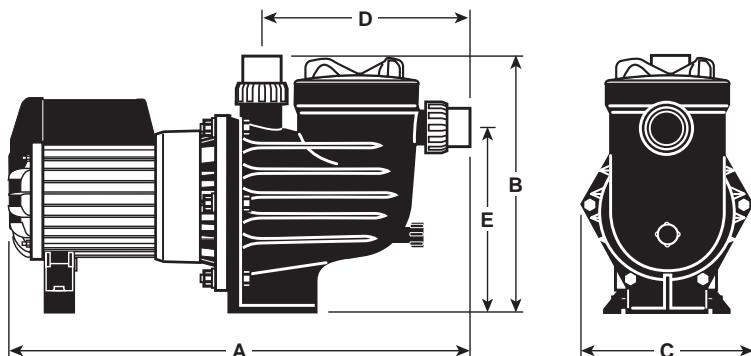
- > Known in the industry as Davey's robust "bullet proof" swimming pool pump
- > Built in Australia to survive tough conditions year after year
- > Specifically designed to circulate water for filtration and in-floor cleaning systems
- > Extra heavy duty motor and pump components make it an ideal choice for swimming pool and aquaculture applications – compatible with seawater
- > Designed with an extra large leaf basket for long intervals between cleaning and for rapid priming with a see-through lid

Model No.	Voltage	hp	Input W	Output hp	Output W
PM200	220–250	1.7	1280	1.2	900
PM250	220–250	1.9	1430	1.4	1050
PM350	220–250	2.2	1670	1.6	1200
PM450	220–250	3.0	2250	2.3	1700
PM4503*	380–415	2.7	2040	2.3	1750

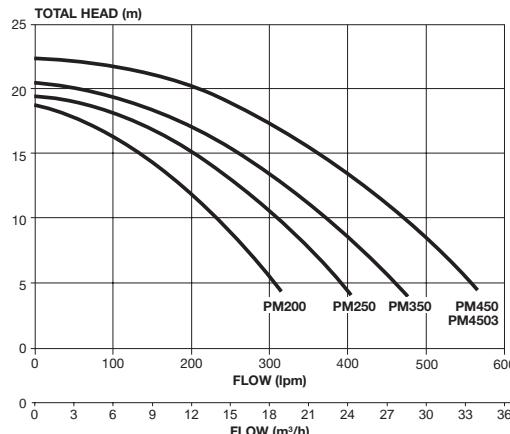
* 3 phase

DIMENSIONS (mm)

Model	A	B	C	D	E	Mounting Holes Diameter	Inlet PVC	Outlet PVC	Net Weight (kg)
PM200/250	615						50	50	15.9
PM350		330	250	305	246	10	50	50	16.0
PM450/4503	635						50	50	18.0



HYDRAULIC PERFORMANCE



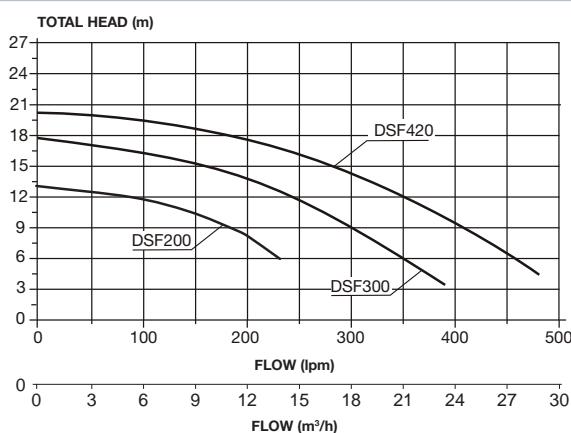

**DAVEY
StarFlo®**
UNIVERSAL MULTI-FIT POOL PUMPS

- Davey's StarFlo range of pool pumps are specifically designed to filter and circulate swimming pool water in tough conditions
- Versatile and flexible, suits multi-fit applications with self-aligning barrel unions*
- Suitable for both in-ground and above ground pool
- Ideal for solar pool heating and aquaculture applications
- Designed and manufactured with high quality materials, 316 stainless steel motor shaft, Noryl impeller and Viton mechanical seal

Model No.	Voltage	hp	Input	hp	Output	W
DSF200	220–250	1.0		750	0.75	550
DSF300	220–250	1.5		1100	1	750
DSF420	220–250	2.2		1650	1.75	1300

DIMENSIONS (mm)

Model	Mounting Holes Diameter	Inlet PVC	Outlet PVC	Net Weight (kg)
DSF200		50	50	10.0
DSF300	11	50/63	50/63	10.0
DSF420		63	63	11.5

HYDRAULIC PERFORMANCE


Swimming Pool Pumps

PG - 3011



DAVEY SureFlo™

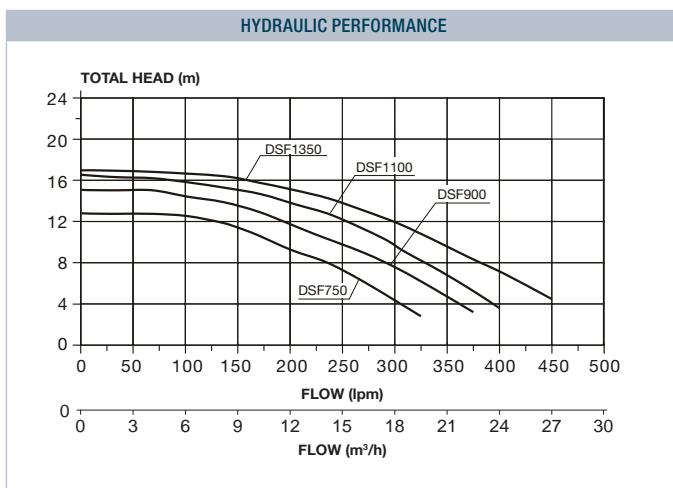
UNIVERSAL MULTI-FIT POOL PUMPS

- Davey's SureFlo range of pool pumps are specifically designed to filter and circulate swimming pool water in tough conditions
- Versatile and flexible, suits multi-fit applications with self-aligning barrel unions*
- Suitable for both in-ground and above ground pool
- Ideal for solar pool heating and aquaculture applications
- Designed and manufactured with high quality materials, 316 stainless steel motor shaft, Noryl impeller and Viton mechanical seal

Model No.	Voltage	Input hp	Input W	Output hp	Output W
DSF750	220–240	1.0	750	0.75	550
DSF900	220–240	1.2	900	0.85	650
DSF1100	220–240	1.5	1100	1.0	750
DSF1350	220–240	1.8	1350	1.35	1000

DIMENSIONS (mm)				
Model	Mounting Holes Diameter	Inlet PVC	Outlet PVC	Net Weight (kg)
DSF750				10.0
DSF900	11	40/50*	40/50*	10.5
DSF1100				11.5
DSF1350				12.0

*Suction and delivery accepts 40mm PVC pipe on the I.D. and a 50mm socket on the O.D. (Barrel unions not shown)



Swimming Pool Pumps

DAVEY

POOL SANITATION
SYSTEMS

POOL PUMPING
& FILTRATION

POOL LIGHTS

POOL & SPA VALVES

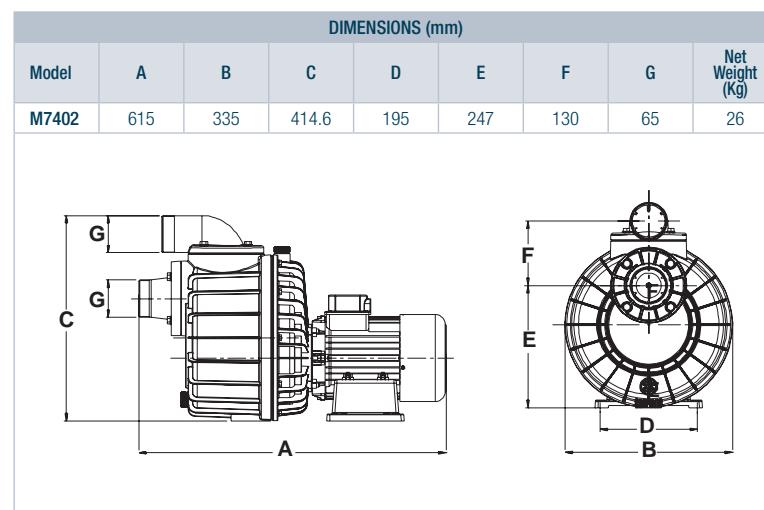
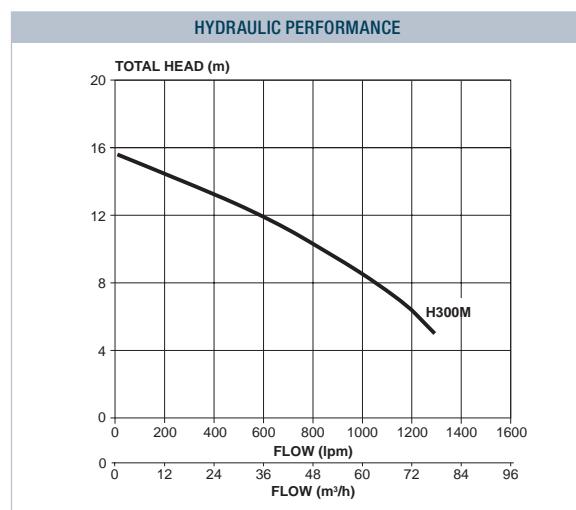


DAVEY Hurricane®

TURBO PUMP AND SWIM-JET SYSTEM

- Produces a high flow, high pressure jet of water to swim against
- Maximises the value and enjoyment of your pool or swim spa
- Conveniently located air switch for swim jet control

Model No.	Description	Input hp	Output hp	Product Group
		W	W	
Pump				
M7402	H300M (15amp)	4.0	3000	3.0
Swim Jet				
M7410K	Turbo Swim Jet (large)			3010
M7411W	Swim Jet Nozzle Fibreglass, white (small)			3010
M3689	65-80 PVC Coupling			3061
Air Switch				
MA1/15	Single Air Switch – 15A			3570



FILTER MEDIA

- For superior pool filtration combine your media filter with Davey Zelbite or Davey glass media
- Davey Zelbite is a high performance, long lasting media with a high dirt and ammonia holding capacity
- Davey glass media is more hygienic in that bacteria can not affix itself to the glass particles and the system is more cost effective as it uses 25% less water during backwashing, in a shorter timeframe

PG - 3091

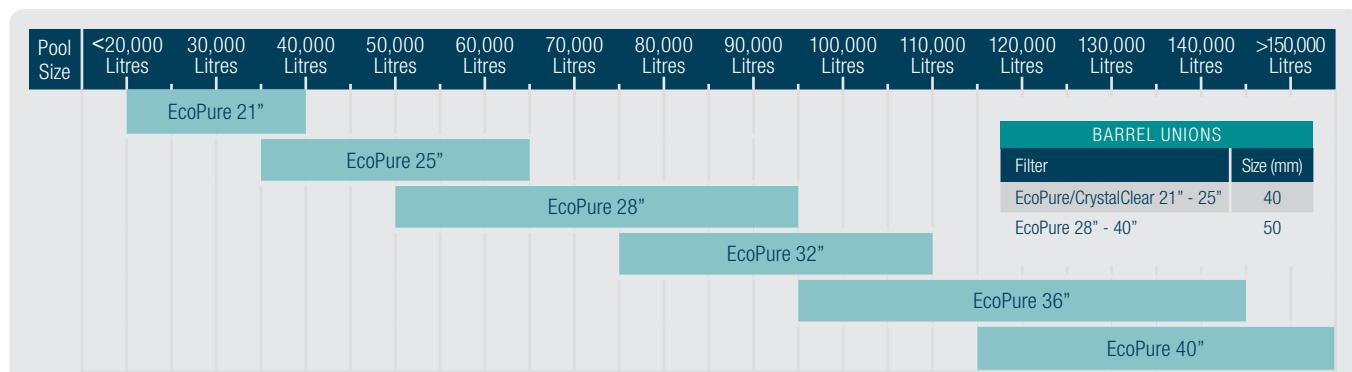


Part No.	Description	List Price	List inc. GST
58000	20kg Filter Sand – Grade 16/30	\$30.00	\$33.00
58001-15	15kg CrystalClear Glass Media 1.7 to 3.0mm Medium/Course	\$47.00	\$51.70
58002-15	15kg CrystalClear Glass Media 0.75 to 1.7mm Fine/Medium	\$47.00	\$51.70
59003	15kg Zelbite Media – 0.5 to 1.4mm	\$51.00	\$56.10



Media Filters

SELECT THE RIGHT MEDIA FILTER FOR YOUR POOL



Note: The figures in the selection chart are guidelines only and are climate dependant. Please ask your Davey Dealer or contact the Davey Support Centre for proper sizing advice.

PG - 9082



DAVEY EcoPure®

FIBREGLASS MEDIA FILTERS

- Davey's economic range of media filters, internally designed to offer good water efficiency during maintenance
- Large media capacity, provides less frequent backwashing, saving water
- Requires minimal maintenance and is easy to use
- 320-370kPa maximum working pressure

Model No.	Tank Diameter (inches)	Valve Size (mm)
DEP2140	21	40
DEP2540	25	40
DEP2850	28	50
DEP3250	32	50
DEP3650	36	50
DEP4050	40	50

Model	Size (inches)	Sand Required (kg/bags)	Zelbite Required (kg/bags)	Glass Required (kg/bags)		Maximum Flow Rate (lpm)	Minimum Backwash Flow Rate (lpm)	6 Hour Turnover (litres)	Filtration Area (m²)	Max. Water Temp (°C)/Operating Pressure (kPa)
				Fine/Medium	Medium/Coarse					
DEP2140	21"	85/5	64/5	45/3	30/2	185	123	66,600	0.22	40/320
DEP2540	25"	155/8	109/8	75/5	30/2	260	173	93,600	0.32	40/320
DEP2850	28"	210/11	158/11	75/5	45/3	325	217	120,960	0.41	40/320
DEP3250	32"	355/18	270/18	150/10	105/7	415	277	149,400	0.53	40/370
DEP3650	36"	470/24	360/24	255/17	120/8	520	347	187,200	0.66	40/370
DEP4050	40"	600/30	465/31	420/28	180/12	650	433	234,000	0.81	40/370

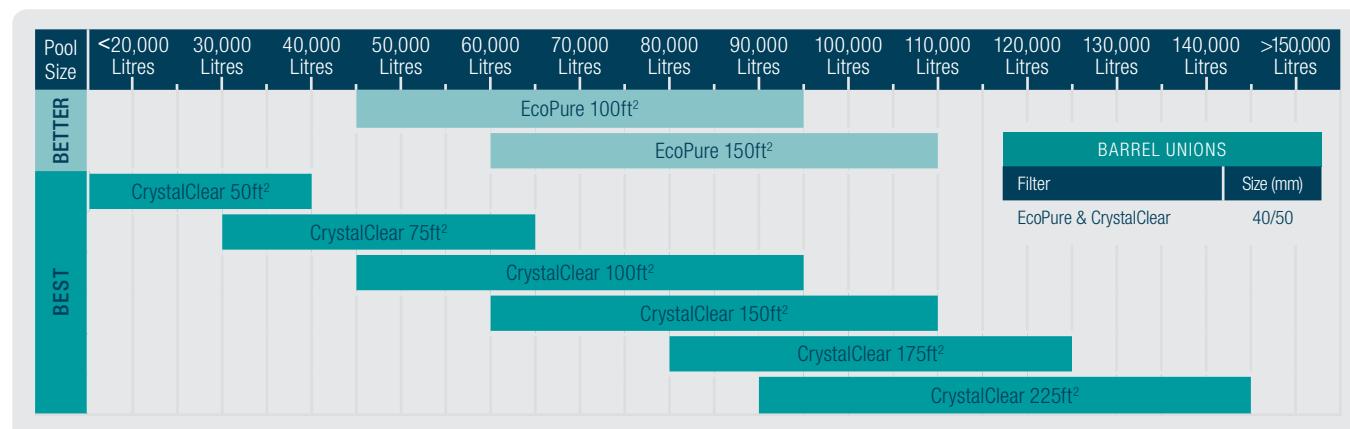
DIMENSIONS (mm)									
	Model	A	B	C	D	E	Inlet PVC	Outlet PVC	Waste PVC
DEP2140	844	708	648	486	510		40		
DEP2540	967	831	771	486	635		40		
DEP2850	1080	926	846	486	700		50		
DEP3250	1180	1026	946	714	820		50		
DEP3650	1285	1131	1051	714	920		50		
DEP4050	1406	1252	1172	720	1016		50		

<<< See previous page for Filter Media

Cartridge Filters

DAVEY

SELECT THE RIGHT CARTRIDGE FILTER FOR YOUR POOL



PG - 3051

DAVEY CrystalClear®

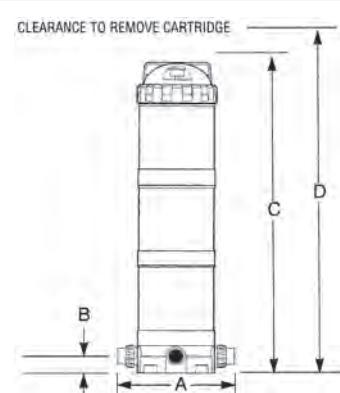
CARTRIDGE FILTERS

- > Davey CrystalClear cartridge filters are an economic alternative for the water-conscious swimming pool or spa pool owner
- > Easy to use, filter elements are cleanable and reusable over and over
- > Made from high quality materials, selection is based on the size of your pool or spa

Model No.	Nominal Filter Size
39050	50 ft ²
39075	75 ft ²
39100	100 ft ²
39150	150 ft ²
39175	175 ft ²
39225	225 ft ²

Model	OPERATING PERFORMANCE				
	Maximum Flow Rate (lpm)	8 Hour Turnover (litres)	6 Hour Turnover (litres)	Replacement Element	
39050	205	98,400	73,800	Q2310	
39075	270	129,600	97,200	Q2311	
39100	340	163,200	122,400	Q2312	
39150	450	216,000	162,000	Q2313	
39175	540	259,200	194,400	Q2311 & Q2312	
39225	670	321,600	241,200	Q2311 & Q2313	

Model	A	B	C	D	Min. Clearance from Top of Filter	Inlet PVC	Outlet PVC	DIMENSIONS (mm)		
								410	60	40/50* Kit 50/50
39050			520	765	245					
39075			520	765						
39100			615	960	345					
39150			805	1320	515					
39175			905	1530	625					
39225			1095	1915	820					



*40/50mm tail on unions allow connection of a DN40 PVC pipe or into the socket/collar of a DN50 PVC pipe.

Cartridge Filters

POOL SANITATION
SYSTEMS



DAVEY
EcoPure®

CARTRIDGE FILTERS

- > Cartridge filtration, suitable for all pools and spas, fresh or salt water
- > No backwashing of filter required
- > Compact, durable A.B.S. tank with UV resistance for long service life

PG - 3049

Model No.	Nominal Filter Size
Q2203MN	100 ft ²
Q2204MN	150 ft ²

OPERATING PERFORMANCE				
Model	Maximum Flow Rate (lpm)	8 Hour Turnover (litres)	6 Hour Turnover (litres)	Replacement Element
Q2203MN	400	192,000	144,000	Q2227
Q2204MN	490	235,200	176,400	Q2228

DIMENSIONS (mm)							
Model	A	B	C	D	Min. Clearance from Top of Filter	Inlet PVC	Outlet PVC
Q2203MN			720	1205	485		
Q2204MN	390	50	898	1565	667	40/50*	40/50*

CLEARANCE TO REMOVE CARTRIDGE

*40/50mm tail on unions allow connection of a DN40 PVC pipe or into the socket/collar of a DN50 PVC pipe

POOL PUMPING
& FILTRATION

POOL LIGHTS

POOL & SPA VALVES

CARTRIDGE FILTER REPLACEMENT ELEMENTS

Model No.	Nominal Filter Size	Product Group	Filter Suitability	Height (mm)	Diameter (mm)	Hole Dia. (mm)	
Q2226*	75 ft ²	3049	EcoPure, Post 1997 CF75 & SQ Series 2000	375	185	75	
Q2227*	100 ft ²	3049	EcoPure Q2203MN, Pre 1997 CF75, Post 1997 CF100 & SQ Series 2000	555	185	75	
Q2228*	150 ft ²	3049	EcoPure Q2204MN, Pre 1997 CF100 & SQ Series 2000, Post 1997 CF150	735	185	75	
Q2310	50 ft ²	3051	CrystalClear, 39050, SQ Series 3000	283	208	102	
Q2311	75 ft ²	3051	CrystalClear, 39075, SQ Series 3000	283	230	102	
Q2312	100 ft ²	3051	CrystalClear, 39100, SQ Series 3000	385	230	102	
Q2313	150 ft ²	3051	CrystalClear, 39150, SQ Series 3000	573	230	102	
Q2311 plus Q2312	175 ft ²	3051	CrystalClear, 39175, SQ Series 3000	Refer to specifications above			
Q2311 plus Q2313	225 ft ²	3051	CrystalClear, 39225, SQ Series 3000	Refer to specifications above			

POOL LIGHTS

PAL Colour Touch LED Lights	113
PAL 2000 Lights	114
PAL 4000 Lights	114

Pool Lights



PG - 3059

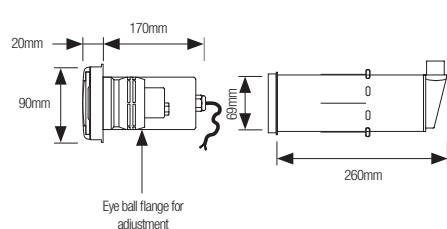
PAL COLOUR TOUCH LED POOL LIGHTS

- Change the mood, colour or brightness with just one touch of a wireless remote control with the Davey PAL Colour Touch LED Light range
- Colour can be selected from an almost unlimited range via the colour wheel
- PAL Mini LED lights are available to add to PAL Colour Touch LED Kits
- Wi-Fi and Apps compatible
- Run up to 8 PAL Colour Touch LED Pool Lights off one driver and transformer

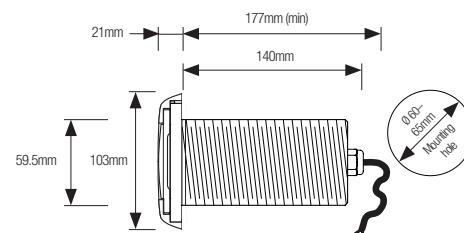
Model No.	Description
For Concrete Pools	
KLEDT4ACW	PAL Colour Touch Kit w/Wi-Fi Driver & Remote, 2 x lights, 2 x stainless steel covers with adjustable 24m lead and fittings for Concrete Pools
For Fibreglass Pools	
KLEDT4FGW	PAL Colour Touch Kit w/Wi-Fi Driver & Remote, 2 x lights, 2 x stainless steel covers with 24m lead for Fibreglass Pools

DIMENSIONS

Concrete



Fibreglass



Pool Lights

PAL COLOUR TOUCH LED ACCESSORIES

PG - 3059

Model No.	Description
LEDT4WDRIVER	PAL Colour Touch LED Driver w/Remote & Wi-Fi module
LEDT4F30L	PAL Colour Touch LED Light for Fibreglass pools w/30m lead and stainless steel cover
LED4CRA30L	PAL Colour Touch LED Light – Concrete pools, re-adjustable w/30m lead and stainless steel cover
LEDT4RC	PAL Colour Touch LED Remote Only
LED4CRAWF	PAL Colour Touch LED light wall fitting, suit Concrete pool, re-adjustable



PG - 3059

PAL 2000 POOL LIGHTS

- Soft even light distribution and install flush to the pool wall
- 60% smaller in size than normal pool lights
- Industry favourite for many years
- LED versions now come with new look lens design

Model No.	Description
PAL Pool Lights and Transformers for Concrete Pools	
MK734124L	Concrete U/W LED Light & IP64 Transformer, 24m lead, LAU-2 colour lock lamp, new look clear lens
MK734124LD	Concrete U/W LED Light twin pack, 24m lead with dual transformer, new look clear lens
PAL Pool Lights & Transformers for Fibreglass Pools	
MK734024L	Fibreglass U/W LED Light & IP64 Transformer, 24m lead, LAU-2 colour lock lamp, new look clear lens
MK734024LD	Fibreglass U/W LED Light twin pack, 24m lead with dual transformer, new look clear lens
Accessories	
MK734100	Concrete pool wall fitting to suit MK734124L
MK734310	240V, 50W Light Transformer with plug & lead



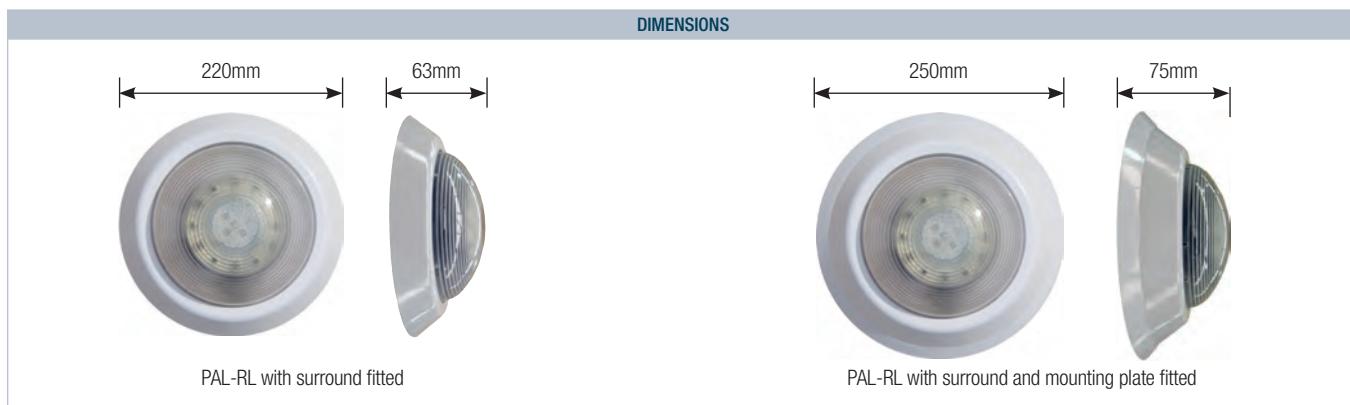
PG - 3059

PAL 4000 COMPACT POOL LIGHTS

- For new and existing installations
- LED technology
- For retrofit of existing and like sized pool lights
- For concrete and fibreglass pools

Model No.	Description
LEDRL5P	PAL LED pool light, Premium w/24m lead – Colour w/transformer to suit Concrete and Fibreglass
LEDRL1P	PAL LED pool light Premium w/1m Cable - 12V – Concrete and Fibreglass

DIMENSIONS



POOL & SPA VALVES

Check Valves

115

Full Flow Valves

115

Pool & Spa Valves



CHECK VALVES

PG - 3060

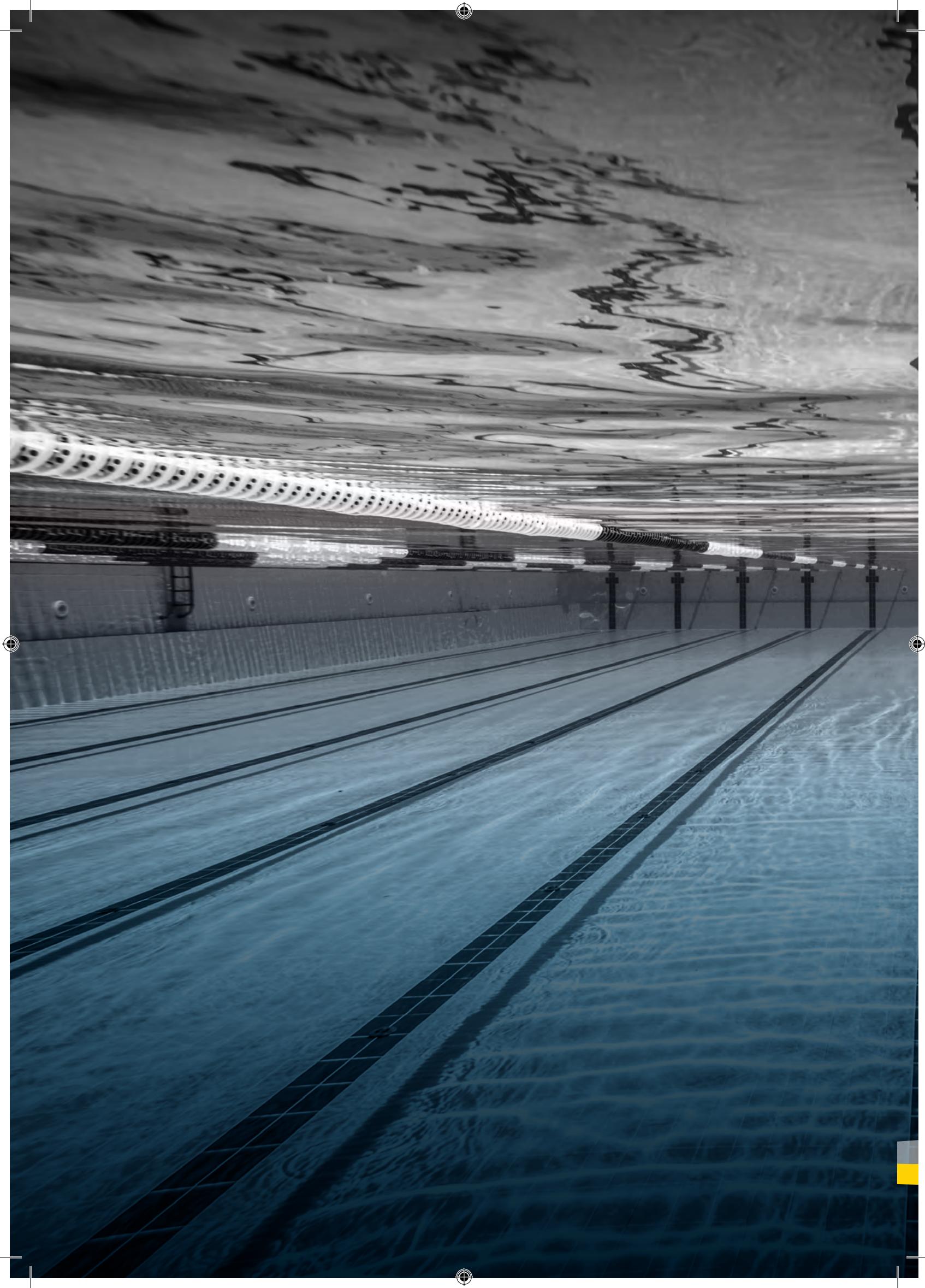
Model No.	Description
Q4078	40mm Air Check Valve
Q4080	40mm Water Check Valve
Q4079	40mm Water Check Valve (90°)
M4081	50mm Water Check Valve



TEFLON & FULL FLOW VALVES

PG - 3060

Model No.	Description
Q4020	40mm 2 Way Full Flow Valve
Q4070	40mm 2 Way Teflon Valve
Q4030	40mm 3 Way Full Flow Valve
Q4071	40mm 3 Way Teflon Valve
Q5070	50mm 2 Way Teflon Valve
Q5020	50mm 2 Way Full Flow Valve
Q5030	50mm 3 Way Full Flow Valve
Q5071	50mm 3 Way Teflon Valve





DAVEY

COMMERCIAL POOL PRODUCTS

Salt Water Chlorinators
Heavy Duty Pool Pumps
Media Filters





Commercial Salt Water Chlorinators



DAVEY EcoMatic® COMM

LIGHT COMMERCIAL SALT WATER SYSTEM

- > High output systems with reverse polarity cells for large residential or light commercial applications
- > User-friendly controls in a lockable cabinet for simple set up and operation
- > Large, high flow rate cell for rapid pool turnover with provision for an external ORP control via a low voltage signal
- > New look commercial chlorinator coming soon
- > High efficiency switch mode power supply and logging of operational parameters for service management

What is ORP control?

Oxidation Reduction Potential (ORP) systems monitor the sanitisation levels in the pool via a probe. This automatically adjusts the chlorine output to maintain ideal sanitisation levels.



DAVEY EcoMatic® COMM

HEAVY DUTY COMMERCIAL SALT WATER SYSTEM

- > Higher output systems with reverse polarity cells for heavy duty commercial applications
- > Comprehensive controls with digital displays and LED indicators contained within a lockable cabinet
- > Large, high flow rate cell for rapid pool turnover with provision for an external ORP control via a low voltage signal

What is ORP control?

Oxidation Reduction Potential (ORP) systems monitor the sanitisation levels in the pool via a probe. This automatically adjusts the chlorine output to maintain ideal sanitisation levels.

PG - 3005

PG - 3005

Model No.	Description	Output (g/hr)
M4920	COMM 500	50
M4921	COMM 1000	100

> CONTACT DAVEY FOR SIZING, PRICING AND TECHNICAL ADVICE

Heavy Duty Swimming Pool Pumps

DAVEY



ISOspec[®]

PG - 3006

COMMERCIAL SWIMMING POOL PUMPS

- > Davey's ISOspec pumps have high flow rates, making them ideal for commercial swimming pools
- > High corrosion resistance, they are supplied standard with a 4 pole motor, bronze impeller, fusion bonded Dulux Armourspray* epoxy powder coating inside the casing and a seal flushing kit
- > Dulux Armourspray* is an exceptionally tough film that provides excellent coverage of protected metals. It has high chemical resistance, is resistant to corrosion and is suitable for many applications
- > Options include a 316 stainless steel impeller or all 316 stainless steel
- > Product is made to order. For model sizing advice and pricing, contact Davey

CM SERIES HYDRAULIC CAPABILITIES

Maximum Flow	Maximum Head	Liquid Temperature	Maximum Casing Pressure
375m ³ /hr	160m	-15° to 110°C	16 Bar

*Coating is independently tested by Henkel Australia Pty Ltd – ASTM D1654 utilising salt spray test facilities achieving a result of 10 out of 10 result.

> **CONTACT DAVEY FOR SIZING, PRICING AND TECHNICAL ADVICE**

Commercial Pool Media Filters



M SERIES COMMERCIAL MEDIA FILTERS

- > Davey's range of "M Series" commercial media filters are designed for high demand and water treatment applications including: water theme parks, aquatic centres, motel pools, swim schools, car wash centres, aquariums and zoos
- > Davey's range of commercial media filters are designed to offer good water efficiency during backwashing and maintenance
- > The large media capacity, provides less frequent backwashing, saving water
- > Requires minimal maintenance and is easy to use
- > Optional side mount multiport valves available
- > Optional 4.0 bar and tested to 6.0 bar
- > Optional site glass and manhole available

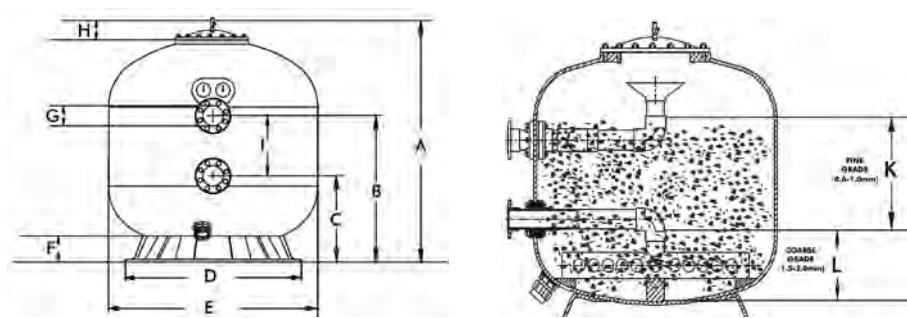
PG - 3040

COMMERCIAL – OPERATING PERFORMANCE & MEDIA REQUIRED

Model	Connection Size (mm)	Filtration Area (m ²)	Velocity (m ³ /h/m ²)	Filtration Flow Rate (m ³ /hr)	Filtration Flow Rate (lpm)	Backwash Flow Rate (m ³ /hr)	Backwash Flow Rate (lpm)	Backwash Flow Rate (m ³ /hr)	Backwash Flow Rate (lpm)	Weight (kg)	Sand Required (kg)	Gravel Required (kg)
						40m ³ /h/m ²	40m ³ /h/m ²	50m ³ /h/m ²	50m ³ /h/m ²		0.4-0.8mm	1-1.2mm
M8810	80	1.13	40	45	750	45	750	56	938	160	1375	300
M8811	100	1.54	40	61	1017	61	1017	76	1271	180	1650	450
M8812	100	2.00	40	80	1334	80	1334	100	1667	230	2150	675
M8813	150	2.70	40	101	1684	101	1684	126	2105	250	2800	750
M8814	150	3.14	40	125	2084	125	2084	156	2605	300	3800	1050
M8823	200	4.30	40	175	2917	175	2917	219	3647	500	5275	1800
M8825	250	4.90	40	200	3334	200	3334	250	4168	750	5950	2200
M8830	250	7.07	30	212	3534	283	4712	353	5890	1280	8600	3300

DIMENSIONS (mm)

Model	A	B	C	D	E	F	G	H	I	J	K	L
M8810	1450	900	530	920	1200	170	80	100	360	230	700	350
M8811	1520	1000	530	1210	1400	180	100	100	470	300	760	380
M8812	1800	1100	610	1210	1600	180	100	100	470	300	800	400
M8813	1900	1200	640	1440	1800	230	150	100	560	350	900	450
M8814	2150	1340	780	1440	2000	230	150	100	560	350	960	480
M8823	2350	1450	890	1950	2300	280	200	100	560	500	980	500
M8825	2650	1610	1050	1950	2500	280	200	100	560	500	1000	500
M8830	3040	1880	1330	1950	3000	280	250	100	560	700	1650	850



> **CONTACT DAVEY FOR SIZING, PRICING AND TECHNICAL ADVICE**



Commercial Pool Media Filters



H SERIES COMMERCIAL MEDIA FILTERS

PG - 3040

- > Davey's "H Series" commercial media filters are designed for ultra-high water flow. They are especially suited to large hotel resort pools, Olympic sized swimming pools, large aquariums and aquatic centres
- > Davey's range of commercial media filters are designed to offer good water efficiency during backwashing and maintenance
- > The extra large media capacity, provides less frequent backwashing, saving water
- > Requires minimal maintenance and is easy to use
- > Optional 4.0 bar and tested to 6.0 bar
- > Optional site glass and manhole available

COMMERCIAL – OPERATING PERFORMANCE & MEDIA REQUIRED

Model	Connection Size (mm)	Filtration Area (m ²)	Velocity (m ³ /h/m ²)	Filtration Flow Rate (m ³ /hr)	Filtration Flow Rate (lpm)	Backwash Flow Rate (m ³ /hr)	Backwash Flow Rate (lpm)	Backwash Flow Rate (m ³ /hr)	Backwash Flow Rate (lpm)	Dia. (m ²)	Length (m)	Height (m)	Weight (kg)	Sand Required (kg)	Gravel Required (kg)
						40m ³ /h/m ²	40m ³ /h/m ²	50m ³ /h/m ²	50m ³ /h/m ²					0.4-0.8mm	1-1.2mm
H1050-1.9	80	1.72	30	52	867	69	1156	87	1445	1.05	1.9	1260	330	950	350
H1050-2.3	100	2.12	20	42	700	84	1400	105	1750	1.05	2.3	1260	380	1250	475
H1050-2.5	100	2.32	20	46	767	92	1534	115	1917	1.05	2.5	1260	420	1525	575
H1050-2.7	150	2.51	40	100	1667	100	1667	125	2084	1.05	2.7	1260	500	1800	700
H1050-3.0	150	2.81	40	112	1867	112	1867	140	2334	1.05	3.0	1260	540	2025	775
H1200-2.5	150	2.7	40	106	1767	106	1767	133	2209	1.2	2.5	1500	400	1750	700
H1200-3.0	150	3.3	40	129	2150	129	2150	161	2688	1.2	3.0	1500	450	2325	925
H1400-2.5	150	3.1	40	121	2017	121	2017	151	2521	1.4	2.5	1700	470	2825	800
H1400-3.0	150	3.8	30	110	1834	147	2445	183	3056	1.4	3.0	1700	550	3450	1000
H1050-1.9	80	1.72	30	52	867	69	1156	87	1445	1.05	1.9	1260	330	950	350
H1050-2.3	100	2.12	20	42	700	84	1400	105	1750	1.05	2.3	1260	380	1250	475
H1050-2.5	100	2.32	20	46	767	92	1534	115	1917	1.05	2.5	1260	420	1525	575
H1050-2.7	150	2.51	40	100	1667	100	1667	125	2084	1.05	2.7	1260	500	1800	700
H1050-3.0	150	2.81	40	112	1867	112	1867	140	2334	1.05	3.0	1260	540	2025	775
H1200-2.5	150	2.7	40	106	1767	106	1767	133	2209	1.2	2.5	1500	400	1750	700
H1200-3.0	150	3.3	40	129	2150	129	2150	161	2688	1.2	3.0	1500	450	2325	925
H1400-2.5	150	3.1	40	121	2017	121	2017	151	2521	1.4	2.5	1700	470	2825	800
H1400-3.0	150	3.8	30	110	1834	147	2445	183	3056	1.4	3.0	1700	550	3450	1000
H1600-2.5	150	3.5	30	101	1684	135	2245	168	2806	1.6	2.5	1900	550	3875	850
H1600-3.0	150	4.3	20	123	2050	246	4101	308	5126	1.6	3.0	1900	650	4750	1050
H1800-2.5	150	3.7	30	112	1867	149	2489	187	3112	1.8	2.5	2100	917	4850	975
H1800-3.0	150	4.6	30	137	2284	183	3045	228	3806	1.8	3.0	2100	1123	5925	1225
H1800-3.5	200	5.4	30	162	2701	216	3601	270	4501	1.8	3.5	2100	1329	7000	1475
H1800-4.0	200	6.3	30	187	3117	249	4156	312	5195	1.8	4.0	2100	1535	8075	1700
H2000-2.5	150	4.3	30	130	2167	173	2889	217	3612	2.0	2.5	2300	1130	6575	1050
H2000-3.0	150	5.3	30	159	2651	212	3534	265	4418	2.0	3.0	2300	1379	8025	1300
H2000-3.5	200	6.3	40	250	4168	250	4168	313	5209	2.0	3.5	2300	1628	9475	1550
H2000-4.0	200	7.2	40	288	4801	288	4801	360	6001	2.0	4.0	2300	1878	12375	1800
H2000-4.5	200	8.2	30	245	4084	327	5446	408	6807	2.0	4.5	2300	2138	12375	2075
H2300-3.0	150	5.9	20	119	1984	238	3967	298	4959	2.3	3.0	2600	1830	9300	2575
H2300-3.5	200	7.1	40	282	4701	282	4701	353	5876	2.3	3.5	2600	2179	11050	3125
H2300-4.0	250	8.2	40	327	5451	327	5451	409	6814	2.3	4.0	2600	2528	12800	3650
H2300-4.5	250	9.3	40	371	6185	371	6185	464	7731	2.3	4.5	2600	2888	14525	4200
H2300-5.0	250	10.4	40	416	6935	416	6935	520	8668	2.3	5.0	2600	3238	16250	4750
H2500-3.5	200	7.3	20	149	2484	298	4968	373	6210	2.5	3.5	2800	2432	11675	3175
H2500-4.0	250	8.5	40	345	5751	345	5751	431	7189	2.5	4.0	2800	2825	13500	3725
H2500-4.5	250	9.8	30	294	4901	392	6535	490	8168	2.5	4.5	2800	3230	15350	4300
H2500-5.0	250	10.9	30	329	5484	439	7313	548	9141	2.5	5.0	2800	3623	17200	4850

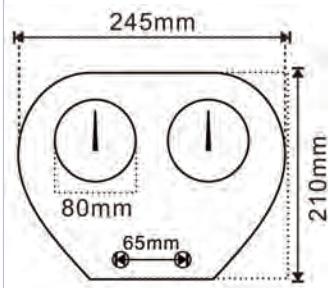
> CONTACT DAVEY FOR SIZING, PRICING AND TECHNICAL ADVICE

STANDARD INCLUSIONS

All Davey commercial media filters come standard with the following fittings.

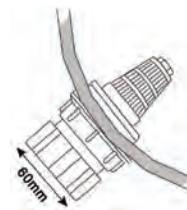
Please advise your requirement with our Davey representative if you prefer not to have these items installed.

PRESSURE GAUGE PANEL



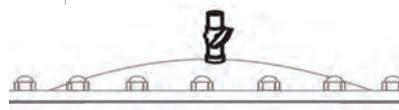
Every M and H series comes standard with dual extra large pressure gauges. Gauges are oil filled for long lasting durability.

WATER DRAIN



Sand drain allows operators to easily drain water or sand out of the tank.

MANUAL AIR RELIEF



It is handy for when commercial media filters are installed above water level.

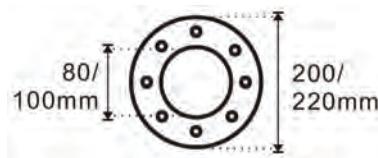
OPTIONAL ADD-ONS FOR BOTH M SERIES AND H SERIES

Additional fittings are available upon requested. Please specify your requirements with our Davey representative

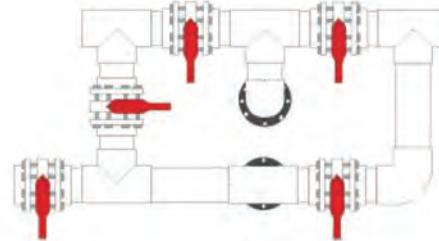
INTERNAL SIGHT GLASS

Optional internal sight glass for M and H series. Available in 2 sizes. Position above sand bed.

Model	Inner Diameter (mm)	Outer Diameter (mm)
SG80	80	200
SG100	100	220



VALVE MANIFOLD



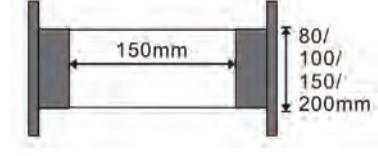
Optional 5 valve manual manifold system. Fully assembled. Suitable for M and H series. Available in 4 sizes.

Model	Inner Diameter (mm)
MF80	80
MF100	100
MF150	150
MF200	200

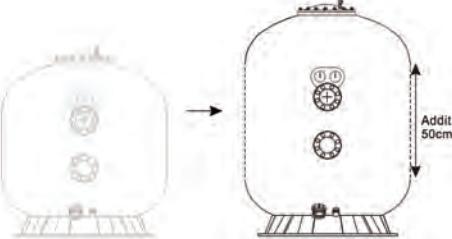
INLINE SIGHT GLASS (EXTERNAL SIGHT GLASS)

Optional inline sight glass for M and H series. Available in 4 sizes. Allows operators to effectively monitor water condition during the backwashing process.

Model	Inner Diameter (mm)	Length (mm)
ILSG80	80	150
ILSG100	100	150
ILSG150	150	150
ILSG200	200	150



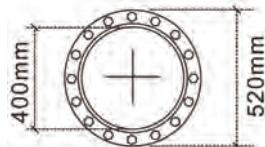
Optional bed depth extension for deep bed filtration. Suitable for M series only. Extra depth is in 50cm block.



MANHOLE

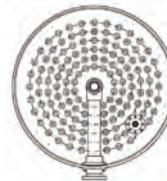
Optional manhole access for M and H series.

Model	Inner Diameter (mm)	Length (mm)
MH400	400	520

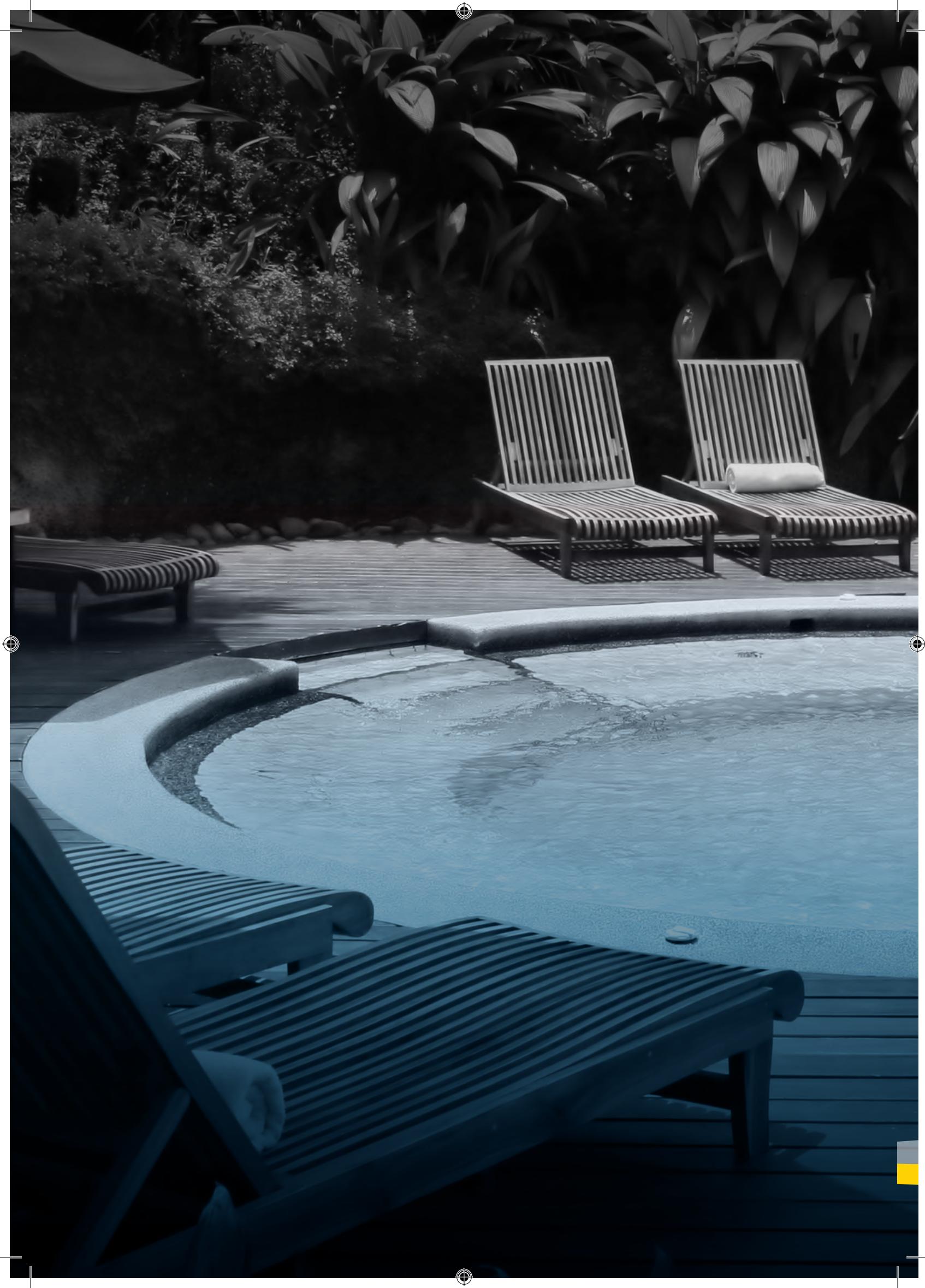


NOZZLE PLATE SYSTEM

Nozzle plate collection system allows equal distribution of water and enable air wash capability that optimise water saving. Suitable for M series only.



The above specification is for reference only. Actual product performance may vary due to external factors such as temperature, water quality and filter media. Product's colours and specification are subject to change without prior notice.



DAVEY

SPA EQUIPMENT

Spa Pool Controllers
Spa Pumps & Blowers
Spa Lights
Spa Sanitation Systems
Spa Pool Filters & Fittings

Spa Pool Controllers Selection Guide

FEATURES	SP400	SP601	SP800	SP1200
Multilingual LCD Touchpad: English, French, Dutch, German, Portuguese, Spanish and Japanese	✗	✗	✓	✓
Oval LCD Touchpad	✗	✗	✓	✓
Rectangular LCD Touchpad	✗	✗	Optional	Optional
Oval LED Touchpad	✗	✓	✗	✗
Rectangular LED Touchpad	✓	Optional	✗	✗
Auxiliary Touchpad	✗	✗	Optional	Optional
In-pool Temperature Sensor	Optional	Optional	Optional	✓
AMP Plug Connectors	✓	✓	✓	✓
220/240VAC Outputs	5	6	6	8
Switched 12VDC Outputs (combined 1A max with Constant 12VDC output load)	✗	✗	1	1
LED Light Outputs	1	1	4	4
Number of single POL's that can be connected	6	6	60	60
Expander Pack to increase maximum load to 70 Amp	✗	✗	Optional	Optional
24hr Circulation Pump	✓	✓	✓	✓
Dedicated Sanitiser Output	✓	✓	✓	✓
Digital Timeclock	Optional	Optional	✓	✓
Heat Pump Connectivity	✗	✗	✓	✓
Variable Speed Pump Capability	✗	✗	✓	✓
Variable Speed Blower	✓	✓	✓	✓
Audio Capability	✗	✗	✓	✓
Patented Optical Water Sensor	✓	✓	✓	✓
Safety Thermal Cut-out	✓	✓	✓	✓

SPA POOL CONTROLLERS

Spa Pool Controllers Selection Guide 124

Spa Pool Controllers 125-127

Spa Pool Controllers



DAVEY SPAPOWER SP400 SPA POOL CONTROLLERS

- > Davey SpaPower SP400 controllers are ideal for the replacement and retrofit market
- > Separate controller and heater element allows for flexibility with installation particularly in confined spaces
- > Rectangular touchpad available, sold separately
- > Ability to run single Davey LED coloured spa lights

Model No.	Description
Controller	
Q400AUS-10	SP400 Spa Pool Controller – 10amp Cord Set
Q400AUS-15	SP400 Spa Pool Controller – 15amp Cord Set
Heater	
Q950155	1.5kW Pump mounted 50mm 'T' Heater to suit Q400AUS-10
Q950205	2.0kW Pump mounted 50mm 'T' Heater to suit Q400AUS-15
Time Clock	
Q921016	Optional Time Clock
Touchpad	
Q71092-03SP4	Touchpad to suit SP400 (rectangle)
Q915445-10	Optional In-pool Temperature Sensor

DIMENSIONS (mm)		
Height	Width	Depth
150	198	90

Spa Pool Controllers



DAVEY SPAPOWER SP601 SPA POOL CONTROLLERS

- Davey SpaPower SP601 controllers are designed for powering small to medium sized spa pools
- Perfect for running a single or two speed pump, plus a spa blower, ozone generator or 24hr circulator pump and a single or variable LED light
- A cost effective solution controlled by a poolside touchpad
- Pack includes control box, touchpad, standard overlay and user guide

Description		Model No.	
Heater Size	Maximumamps	NO TIMECLOCK Oval Touchpad	Rectangular Touchpad
1.5kW	10	Q601AU-15	Q601AU-15R
2.0kW	16	Q601AU-20	Q601AU-20R
3.0kW	16	Q601AU-30	Q601AU-30R
Heater Size	Maximumamps	WITH TIMECLOCK Oval Touchpad	Rectangular Touchpad
1.5kW	10	Q601AU-15T	Q601AU-15TR
2.0kW	16	Q601AU-20T	Q601AU-20TR
3.0kW	16	Q601AU-30T	Q601AU-30TR

Model No.	Description
-----------	-------------

Touchpad & Overlay

- Q71093-03SP61 Oval Touchpad including overlay to suit SP601
 Q71092-03SP61 Rectangular Touchpad including overlay to suit SP601

Temperature Sensor

- Q915445-10 Optional In-Pool Temperature Sensor

- SP601 controllers are suitable to run a single main light with a maximum of 6 POL daisy chain LED lights

DIMENSIONS (mm)

Height	Width	Depth
220	360	95



DAVEY SPAPOWER SP800 SPA POOL CONTROLLERS

- A versatile controller capable of running a mix of single and two speed pumps, single and variable speed blowers, a selection of Davey spa light systems (including chain lights) and Heat Pump capability
- All SP800 controllers include a 12vDC output and are capable of single and multiphase setup
- The SP800 includes a multilingual touchpad display that is easily programmable into one of six common languages
- Pack includes control box, touchpad, standard overlay and user guide

Model No.	Description
-----------	-------------

Controller

- Q800AU-20 2.0kW SpaPower SP800 – 16amp Cord Set – Oval Touchpad as Standard – single phase only
 Q800-30 3.0kW SpaPower SP800 – 40amp Maximum – Oval Touchpad as Standard single or multi-phase setup

Touchpad & Overlay

- Q70068-10SP8 Additional Oval Touchpad including overlay – 10m Cord
 Q70069-10SP8 Rectangular Touchpad including overlay – 10m cord
 Q70078-10SP8 Secondary Touchpad including overlay – 10m Cord

Temperature Sensor

- Q915445 Optional In-Pool Temperature Sensor

Accessories

- Q1200EXP Expander Box – 2 x 15amp connections

DIMENSIONS (mm)

Height	Width	Depth
220	360	95

Spa Pool Controllers



DAVEY SPAPOWER SP1200 SPA POOL CONTROLLERS

- Top of the range, Davey SpaPower SP1200 spa pool controllers are designed for large spa pools including swim spas
- Handling up to 40amps, the controller can handle multiple variable, two speed and single speed pumps, lights (including chain lighting), variable and single speed blowers and auxiliary equipment including sanitiser systems, sound system and heat pump capability
- Controlled by an easy to use, LED poolside touchpad
- Can be upgraded to 70amps with optional expander box

Model No.	Description
Controller	
Q1200-35PH3	3.5kW SpaPower SP1200 – 40amp Maximum – Single or multi-phase setup
Q1200-45	4.5kW SpaPower SP1200 – 40amp Maximum – Single phase only
Q1200-60	6.0kW SpaPower SP1200 – 40amp Maximum – Single phase only
Touchpad & Overlay	
Q70068-10SP12	Additional Oval Touchpad including overlay – 10m Cord
Q70069-10SP12	Rectangular Touchpad - 10m cord
Q70078-10SP12	Secondary Touchpad – 6 Button Switch –10m Cord
Accessories	
Q1200EXP	Expander Box – 2 x 15amp connections

DIMENSIONS (mm)

Height	Width	Depth
310	360	95

The Expander takes a 30A input and outputs it to two 15A pump outputs under the control of the SP800/1200 system. This allows the SP800 or SP1200 to control additional high power pumps powered from a separate 30A power supply.



SPA PUMPS & BLOWERS

Spa Pool Pumps	144-145
Spa Bath Pumps	146
Spa Blowers	147

Spa Pool Pumps



DAVEY SPAPOWER QB SERIES SPA BOOSTER PUMPS

- Robust spa pumps combined with powerful motors deliver high performance, for a satisfying spa experience
- Single, two and Variable Speed models to help conserve energy during filtration cycles
- Large suction and discharge outlets reduce noise levels

Davey FBT Thread* Model No.	Description	Input hp	Input W
Single Speed Booster Pumps – Single phase			
Circulator Pumps			
QB1501-AMP	1100W Spa Pump - AMP plug	1.5	1100
QB2001-AMP	1500W Spa Pump – AMP plug	2.0	1500
QB2501-AMP	1850W Spa Pump – AMP plug	2.5	1850
QB3001-AMP	2200W Spa Pump – AMP plug	3.0	2200
Two Speed Booster Pumps – Single phase			
QB2002-AMP	1500W Spa Pump – AMP plug	0.5/2.0	250/1500
QB2502-AMP	1850W Spa Pump – AMP plug	0.55/2.5	400/1850
QB3002-AMP	2200W Spa – AMP plug	0.6/3.0	450/2200
Variable Speed Three Phase Pump			
QB25013SL	1850W Spa Pump – hard wired	2.5	1850
32697	VS drive to suit above		

Spa Pool Pumps



SPA POOL CONTROLLERS

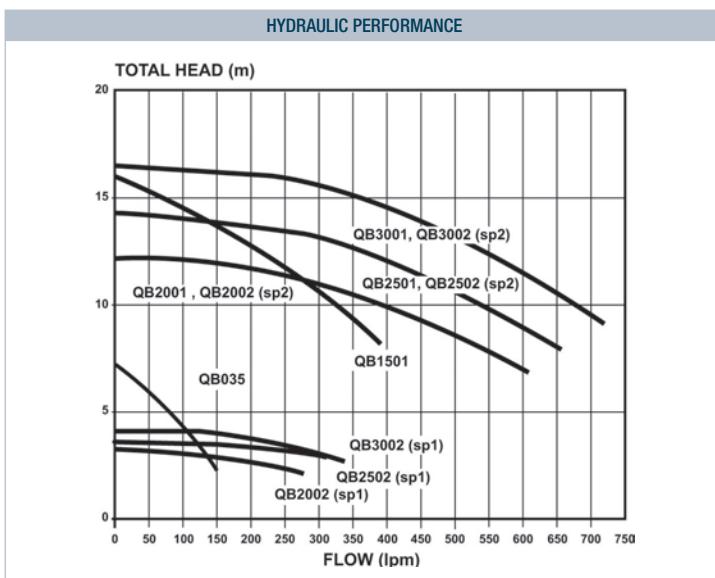
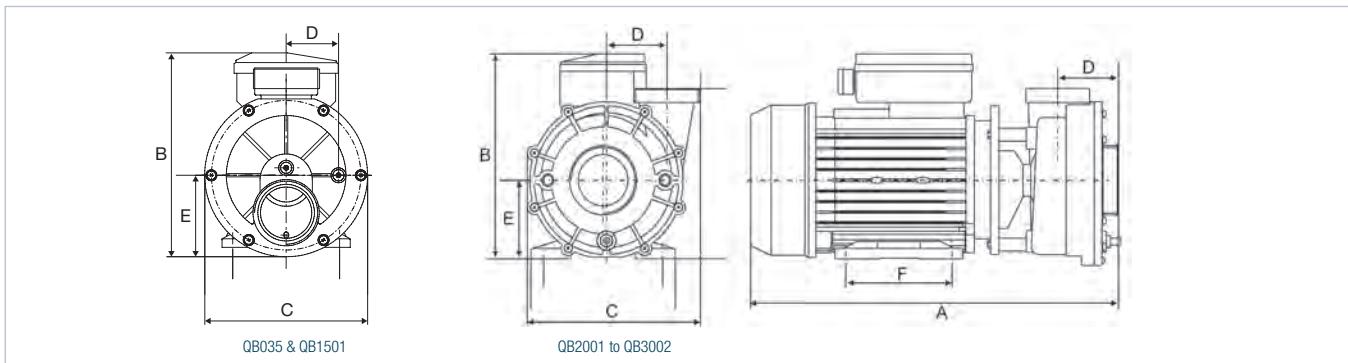
SPA PUMPS & BOWLERS

SPA LIGHTS

SPA SANITATION SYSTEMS

SPA POOL FILTERS & FITTINGS

Model	DIMENSIONS (mm)						Mounting Holes Diameter	Inlet PVC	Outlet PVC	Net Weight (kg)
	A	B	C	D	E	F				
QB1501	402	211	187	120	48	90	10	50	50	11.5
QB2001										13.5
QB2501	414	235	202	75	90	125	10	50	50	14.6
QB3001										15.7
QB2002										14.7
QB2502	430	235	202	71	90	125	10	50	50	15.9
QB3002										17



Spa Bath Pumps



DAVEY Celsior®

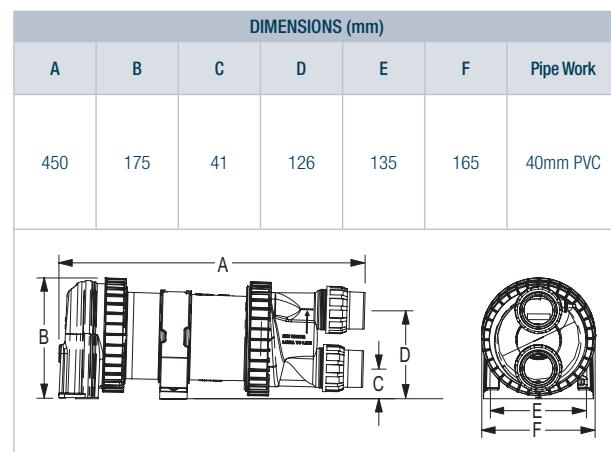
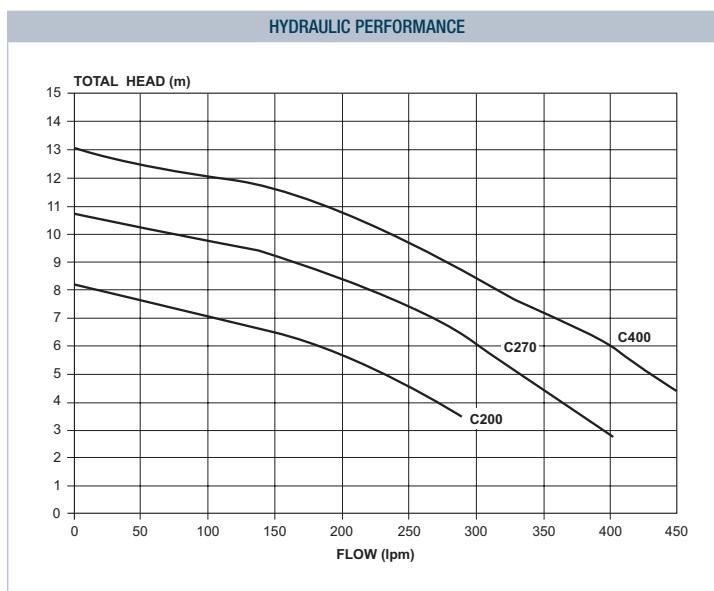
SPA BATH PUMP

- > Suitable for spa baths containing up to 12 jets
- > Patented 'heat maintenance technology' uses motor heat to assist in maintaining the water temperature
- > Motor jacket design makes them up to 50% quieter than traditional spa bath pumps

Model No.	Description	Input hp	W	Heater Input W	Effective Heating W	Effective Energy Use %
Built-in Air Switch Heat Maintenance Pump						
C200A	Celsior C200A	0.94	690	—	635	92
C270A	Celsior C270A	1.25	930	—	869	93.4
C400A	Celsior C400A	2	1500	—	1410	94
Built-in Air Switch with Boost Heat						
C200AB	Celsior C200AB	0.94	690	1000	1635	96.6
C270AB	Celsior C270AB	1.25	930	1000	1869	96.8
C400AB	Celsior C400AB	2	1500	1000	2410	96.4
Electronic Touchpad Controlled with Boost Heat (Ensure touchpad & overlay are ordered as separate items – refer below)						
C200TB	Celsior C200TB	0.94	690	1000	1635	96.6
C270TB	Celsior C270TB	1.25	930	1000	1869	96.8
C400TB	Celsior C400TB	2	1500	1000	2410	96.4

A = Air Button Controlled Heat Maintenance Pump, B = Boost Heat In-built Heater Element, T = Touchpad Controlled

Model No.	Description	List Price	List inc. GST
Touchpad Controls and Coloured Surrounds			
TBCS	Touchpad Kit, Chrome – Includes overlay, chrome clip on cover & 3m lead	\$105.00	\$115.50
TBWS	Touchpad Kit, White – Includes overlay, chrome clip on cover & 3m lead	\$105.00	\$115.50



**DAVEY SPAPOWER BLOWER**

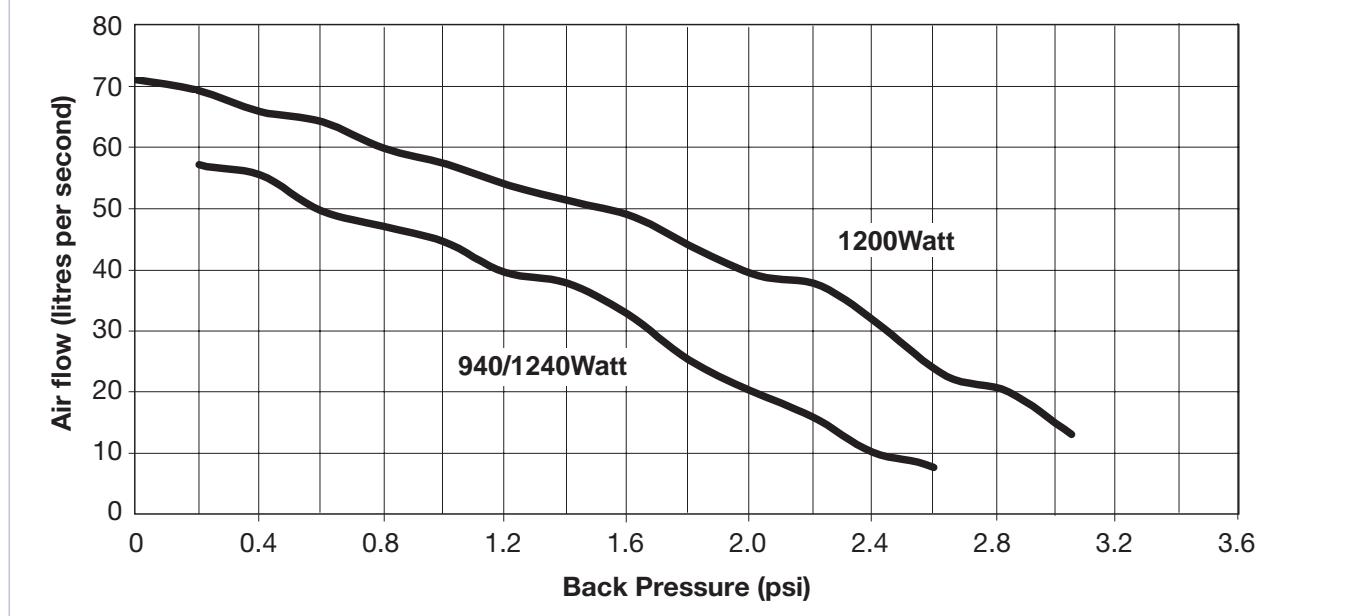
- > Davey SpaPower blowers are used to generate air bubbles in your spa pool
- > Retrofit into your existing spa or include in your new spa pool
- > Add a SpaPower blower for a relaxing and enjoyable spa experience

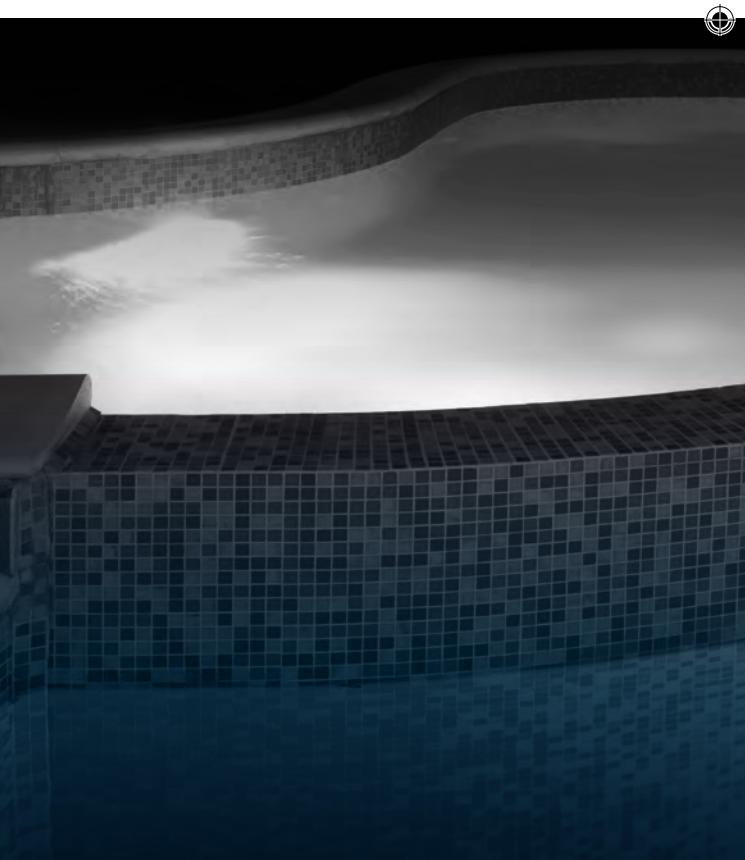
Model No.	Description	Outlet
Q5601-C38	940W Single Speed Blower – 3 pin plug	40mm
Q5601-AMP	940W Single Speed Blower – AMP plug	40mm
Q5601-JJB6	940W Single Speed Blower – JJ Blower plug	40mm
Q5612-C38	940W Air Switch Operated Single Speed Blower – 3 pin plug	40mm
Q5602-AMP	940W Variable Speed Blower – AMP plug	40mm
Q5607-C38	1240W Heated Single Speed Blower – 3 pin plug	40mm
Q5604-C38	1380W Two Stage Single Speed SpaPower Blower – 3 pin plug	40mm
Q5605-C38	1380W Two Stage Single Speed Air Switch Operated – 3 pin plug	40mm

DIMENSIONS (mm)

Height	Width	Depth	Outlet Diameter
170	270	170	40

PERFORMANCE





SPA LIGHTS

Spa Pool Lights	132
Spa Pool Chain Lighting System	132

Spa Pool Lights



DAVEY SPAPOWER SPA POOL LIGHTS

- > Extra bright, easy to install spa lighting system with a range of colours
- > Plugs directly into Davey SpaPower SP400, SP600, SP601, SP800 and SP1200 controllers, eliminating the need for a separate light control
- > Lights controlled by the Davey SpaPower touchpad

Model No.	Description
Q3708L-10	SpaPower Variable Colour LED Light to suit SP400, SP601, SP800 and SP1200 – 10m lead
Q3709L-10	SpaPower Single LED Light to suit SP400, SP600, SP601, SP800 and SP1200 – 10m lead

SPECIFICATIONS

Type	Volts	Watts	Lens Face Diameter	Body Diameter x Depth
Q3708L-10	12	1.6	80mm	54.2mm x 55.5mm



SPA POOL CHAIN LIGHTING SYSTEM

- > Suitable for use with Davey SpaPower SP400, SP601, SP800 and SP1200 controllers only
- > The SP400 and SP601 range are capable of using the slave light and a maximum of 6 POL's*
- > The SP800 and SP1200 controllers can run up to 60 POL's* with a maximum draw of 1000mA

Model No.	Description	Lead Length	Pack Size
K16POL	Kit includes Slave Light and housing, 2 x 1m light wire, 2 x 2m light wire & 4 x 4 LEDs (long/short)	–	NA
QRDL7GSL	Spa Slave Light to suit SP400, SP600, SP601, SP800 & SP1200	4.5m	1 pc
QRD5LH	5" Slave Light Housing	–	1 pc
QRDQUADPOL	20" Quad POL Unit (4 LEDs)	1m	1 pc
QRDBBLPOL	20" Quad POL Unit (2 LEDs)		
QRDPLW2	POL Light Wire	2m	1 pc
QRDMPH*100	Mini POL Housing		100 pcs

*POL = Point of Light (LEDs)

SPECIFICATIONS

Model	Output Volts	Watts	Depth	Diameter
QRDL7GSL	5 DC	0.75		5"
QRDQUADPOL	5 DC	1.2	50mm	including light

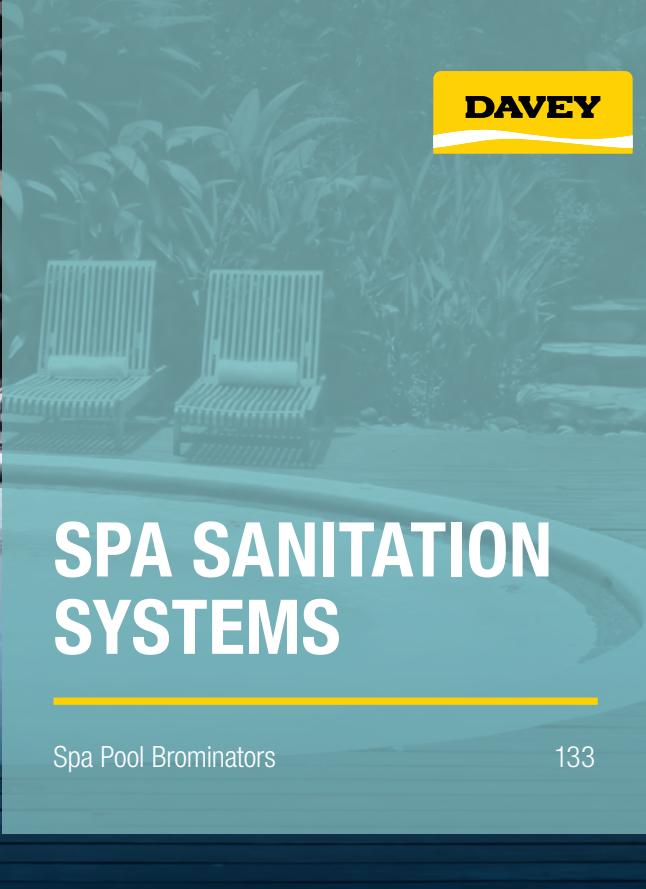
DIMENSIONS (mm)

Model	Hole Cut Out
QRD5LH	92.8
QRDMPH*100	12

SPA SANITATION SYSTEMS

Spa Pool Brominators

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Spa Sanitation Systems



DAVEY EcoSpa®

SALT WATER SPA POOL BROMINATORS

- EcoSpa converts your spa pool to a salt water system, using similar principles to salt water chlorination
- The system generates bromine gas to effectively kill harmful bacteria and contaminants in higher temperature applications such as spa pools

What is ORP control?

ORP refers to Oxidation Reduction Potential. In these systems an ORP probe monitors the sanitiser level in the spa and automatically adjusts the bromine gas output to maintain the ideal sanitisation level.

Model No.	Description	Spa Pool Size
Includes Controller, Flow Sensor, ORP Probe, Self Cleaning Cell & Bromine Activator		
M7000AMP	EcoSpa with Amp Cable	2000-3000 litres
M7002	EcoSpa Bromine Activator 100g	2000-3000 litres
M0653REP	EcoSpa Replacement Cell	

DIMENSIONS (mm)

Type	Power Supply Enclosure				Cell Housing				
	Height	Width	Depth	Mounting Holes	Height	Width	Depth	Inlet/Outlet	Plumbing Holes
EcoSpa	230	155	80	18	103	244	85	50	244 (from end to end)

SPA POOL FILTERS & FITTINGS

Spa Filters
Jets & Fittings

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135-136

Spa Filters

SPA LIGHTS

SPA SANITATION SYSTEMS

SPA POOL FILTERS & FITTINGS

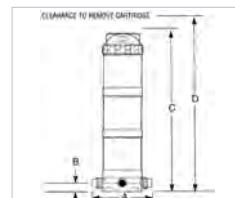


SERIES 1000 CARTRIDGE FILTERS

- > Compact cartridge filters for spa pool filtration
- > Made from durable plastics to withstand UV and effects of pool chemicals
- > Easily maintained, soak and hose off cartridge filters for ease of use over and over again

Model No.	Description	Inlet/Outlet
Q1002	C1050 50ft ² Standard Filter	50mm
Q1003	C1075 75ft ² Standard Filter	50mm

DIMENSIONS (mm)							
Model	A	B	C	D	Min. Clearance from Top of Filter	Inlet PVC	Outlet PVC
Q1002	175	57	445	705	260	50	50
Q1003		52	598	1000	402		



SKIM FILTERS

- > Superior quality skim filters for spa pools
- > Elements are easy to clean, simply hose off and soak
- > Made from high quality plastics to ensure they remain durable, as UV light and chemicals can degrade poorer quality plastics

Model No.	Description
Q1240GY	SQ50 50ft ² Skim Filter, Grey – Includes Filter Cartridge x 1

REPLACEMENT CARTRIDGE FILTER ELEMENTS

Model No.	Description	Dimensions		
		Height	Diam.	Hole Diam.
Q1031	C1050 50ft ² Replacement Element	305	140	53
Q1032	C1075 75ft ² Replacement Element	457	140	53
Q1033	C1035 Replacement Element (Note: 2 elements required)	135	142	53
Q1205	Wide Mouth Replacement Element (Note: 2 elements required)	225	150	Thread
Q1259	SQ50 Replacement Element (Note: 2 elements required for SQ100)	227	145	53

Jets & Fittings

DAVEY



BARREL UNIONS

- > Made to suit PVC Pressure Pipe sizes 40 and 50mm

Model No.	Description	Colour
Q4103	40mm x 40mm	Grey
Q4104	50/40mm x 40mm	Grey
Q5105	50mm BSP Thread x 40mm	Grey



MICRO JETS (39MM)

- > Uses 19mm water and 10mm air connections
- > Cutout 27mm diameter

Model No.	Description	Colour
Q3751GY	Standard Micro Jet	Grey
Q3752GY	Swirl Micro Jet	Grey

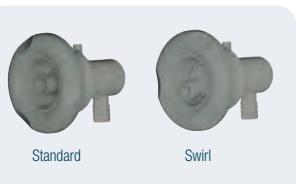


VARIJETS (70MM)

- > Adjustable flow, on/off
- > Uses 19mm water and 10mm air connections
- > Cutout 46mm diameter

Model No.	Description	Colour
Q3602	Standard Varijet	Grey
Q3606	Pulse Varijet	Grey

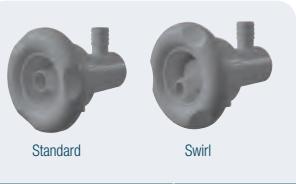
*Spa Jet Face and Body Assemblies are NOT interchangeable with jets above and are sold complete with face and body. Suitable for portable spa pools and swim spas only.



BOOSTER JETS (95MM)

- > Adjustable flow, on/off
- > Interchangeable faces
- > Uses 19mm water and 10mm air connections
- > Cutout 69mm diameter

Model No.	Description	Colour
Q3682	Standard Booster Jet	Grey
Q3684	Swirl Booster Jet	Grey
Q3616	Pulse Booster Jet	Grey



THERAPEUTIC JETS (110MM)

- > Adjustable flow, on/off
- > Interchangeable faces
- > Uses 19mm water and 10mm air connections
- > Cutout 69mm diameter

Model No.	Description	Colour
Q3612	Standard Therapeutic Jet	Grey
Q3614	Swirl Therapeutic Jet	Grey
Q3616	Pulse Therapeutic Jet	Grey



AIR INJECTOR

- > Connect via 10mm PVC tubing
- > Cutout 27mm diameter

Model No.	Description	Colour
Q3742GY	Air Injector	Grey

SPA POOL CONTROLLERS

SPA PUMPS & BOWLERS

SPA LIGHTS

SPA SANITATION SYSTEMS

SPA POOL FILTERS & FITTINGS



Jets & Fittings

SPA POOL CONTROLLERS



Silent Air Controls

SILENT AIR CONTROLS

- > Stylish, easy to use controls with lever
- > Cutout 42mm diameter

Model No.	Description	Colour
Q3790GY	Silent Air Control, 25mm	Grey

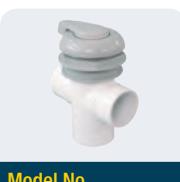
SPA PUMPS & BOWLERS



AROMATHERAPY CANISTER

Model No.	Description	Colour
Q3725	Aromatherapy Canister	Grey

SPA LIGHTS



DIVERTER VALVE

Model No.	Description	Colour
Q5080GY	50mm Diverter Valve	Grey

SPA SANITATION SYSTEMS

SPA POOL FILTERS & FITTINGS

Useful Pumping Information

DAVEY

COMMON AVERAGE WATER REQUIREMENTS

The average water requirements, shown below, may vary due to specific application concerns. Water requirements should be supplied within acceptable daily running times. This time will vary according to the nature of the application.

SHOWER: 15 lpm at 140kPa (3.3 gpm at 20psi)	CATTLE: 30-55 litres/day (6.5-12 gallons/day)
LAWN SPRINKLER: 15 lpm at 140kPa (3.3 gpm at 20psi)	MILKING COWS: 70 litres/day (15.4 gallons/day)
½" TAP: 12-15 lpm at 140kPa (2.6-3.3 gpm at 20psi)	SHEEP: 5-10 litres/day (1-2 gallons/day)
¾" HOSE & ¼" NOZZLE: 40 lpm at 210kPa (8.8 gpm at 30psi)	PIGS: 10 litres/day (2 gallons/day)
1" HOSE & ⅜" NOZZLE: 75 lpm at 210kPa (16.5 gpm at 30psi)	HORSES: 55-60 litres/day (12-13.2 gallons/day)
100 CHICKENS: 25 litres/day (5.5 gallons/day)	

SUCTION LIFT

Pumps do not actually suck; rather, pumps create a partial vacuum into which atmospheric pressure pushes water via the suction pipework.

There are a number of factors which affect suction lift:

- **Altitude:** As altitude increases, atmospheric pressure decreases, thus exerting less "push" on the water entering the pump suction.
- **Pump Suction Performance:** Generally, the higher the flow rate from a pump, the less the partial vacuum created by that pump.
- **Water Temperature:** The higher the water temperature, the more likely it is to boil when exposed to a partial vacuum, thus reducing suction lift.
- **Friction Loss:** Friction loss in the suction pipe reduces the vertical lift possible.

In practical terms, a maximum suction lift of 6.7 metres at sea level is common, but all of the items above will reduce this figure.

Pump performance tables and the tables attached are a good guide. Your Davey Dealer can assist with assessment of suction lifts.

Elevation	Maximum Practical Suction Lift	Absolute Atmospheric Pressure (cold water)
Sea Level	6.7m / 22ft	10.35m / 34ft
500m / 1640ft	6.1m / 20ft	9.75m / 32ft
750m / 2460ft	5.8m / 19ft	9.46m / 31ft
1000m / 3280ft	5.5m / 18ft	9.19m / 30ft
1500m / 4920ft	5.0m / 16.4ft	8.64m / 28.3ft
2000m / 6560ft	4.5m / 14.8ft	8.13m / 26.7ft

Water Temperature	Suction Lift Reduction
15 °C / 59°F	0 m / 0ft
20 / 68°F	0.06 / 0.20ft
30 / 86°F	0.22 / 0.72ft
40 / 104°F	0.52 / 1.70ft
50 / 122°F	0.98 / 3.22ft
60 / 140°F	1.73 / 5.67ft
70 / 158°F	2.85 / 9.35ft
80 / 176°F	4.51 / 14.80ft

Calculating Suction Lift	
$H_s = P_a - NPSHR - P_{vap} - \text{Safety}$	
H _s	Maximum suction lift including friction loss in suction pipe
P _a	Absolute atmospheric pressure at site
NPSHR	NPSH required by pump at specific flow rate
P _{vap}	Vapour pressure of liquid with specific temperature
Safety	Allow at least a 1m safety factor

Calculating Pump Power	
$\text{Water Power (kW)} = \text{Flow (lpm/gpm)} \times \text{Head (m/ft)} / 6122.4$	
$\text{Pump Power (P}_2\text{kW)} = \text{Water Power} / \text{Pump Efficiency \%}$	
$\text{Input Power (P}_1\text{kW)} = \text{Pump Power} / \text{Motor Efficiency \%}$	



Useful Pumping Information

VARIABLE SPEED PERFORMANCE

Changing the speed of a pump changes the flow and pressure output of the pump as well as the power required by the pump to deliver the new duty point.

- > Flow (Q) changes directly proportional to speed (N) change
- > Head / pressure (H) changes proportional to speed change squared
- > Power (P) changes proportional to speed change cubed

$Q_1 / Q_2 = N_1 / N_2$
$H_1 / H_2 = (N_1 / N_2)^2$
$P_1 / P_2 = (N_1 / N_2)^3$
$Q_1 / H_1 / P_1$ are current flow, head & power at speed N_1
$Q_2 / H_2 / P_2$ are the new flow, head & power at speed N_2



PIPE FRICTION

Pipe friction is the resistance to flow caused by the pipe. As a general principle, it is better to use the largest practical pipe size to avoid losses in pump performance. Flow rates for which friction loss has not been calculated involve velocities which may cause water hammer.

Flow Conversion						
Ipm	Ips	m³/hr	Imperial	US	gpm	gph
7.6	0.13	0.45	1.7	100	2.0	120
10	0.17	0.60	2.2	132	2.6	159
16.7	0.28	1	3.7	220	4.4	265
45.5	0.76	2.73	10	601	12.0	721
60	1	3.60	13.2	793	15.9	951
75.7	1.26	4.54	16.7	1000	20.0	1200
83.3	1.39	5.00	18.3	1101	22.0	1320

Pressure / Head Conversion				
metres	kPa	bar	feet head	psi
1	9.81	0.10	3.28	1.42
10	98.1	0.98	32.8	14.2
10.2	100	1	33.4	14.5
15.2	149.5	1.5	50	21.6
30.5	299	3.0	100	43.3
35.2	354.4	3.5	115.5	50
70.4	690.8	6.9	231	100
101.9	999.6	10	334.2	144.7

Volume Conversion				
litres	cubic metres	Imp. gallons	US gallons	cubic feet
1	0.001	0.22	0.264	0.0353
1000	1	220	264	35.3
4.546	0.0045	1	1.2	0.1605
3.785	0.0038	0.833	1	0.1337
28.32	0.0283	6.23	7.48	1

Length Conversion			
inch	foot	yard	metres
1	0.0833	0.027	0.0254
12	1	0.333	0.3048
36	3	1	0.9144
39.37	3.2808	1.0936	1

Friction Loss for Poly Pipe – 20mm to 63mm (m/100 metres of pipe)																														
Flow in		Medium Density Polythene Pipe								PE80/PN16 = SDR9 Series 1																				
Itrs sec.	ltrs min.	Rural Class B Pipe				PE80/PN8 = SDR17 Series 1				PE80/PN10 = SDR13.6 Series 1				PE80/PN12.5 = SDR11 Series 1				PE80/PN16 = SDR9 Series 1												
3/4"	1"	1 1/4"	1 1/2"	2"	20	25	32	40	50	63	20	25	32	40	50	63	20	25	32	40	50	63								
0.2	12	3.92	1.01	0.35	0.15	—	N/R	2.14	0.63	0.22	0.08	—	7.43	2.44	0.76	0.26	0.09	—	8.85	3	0.91	0.32	0.11	—	11.65	3.82	1.2	2.05	0.7	0.24
0.3	18	7.97	2.05	0.71	0.3	0.08		4.34	1.27	0.44	0.15	0.05	15.14	4.96	1.53	0.52	0.18	0.06	18.04	6.1	1.83	0.65	0.22	0.07	23.75	7.77	2.43	2.82	0.96	0.32
0.4	24	13.23	3.39	1.18	0.49	0.12		7.18	2.09	0.73	0.25	0.08		8.21	2.53	0.86	0.3	0.1		10.12	3.03	1.07	0.37	0.12		12.9	4.03	1.37	1.26	0.43
0.5	30	5.02	1.74	0.72	0.18			10.65	3.1	1.08	0.37	0.12		12.18	3.75	1.28	0.44	0.15		15	4.49	1.58	0.55	0.18			5.96	4.69	1.6	0.54
0.6	36	6.92	2.4	0.99	0.25				4.27	1.49	0.51	0.17			5.17	1.76	0.6	0.2			6.19	2.18	0.75	0.25			8.22	5.77	1.96	0.66
0.7	42	9.09	3.15	1.3	0.33				5.61	1.95	0.67	0.22			6.79	2.3	0.79	0.26			8.13	2.86	0.98	0.33			10.8	6.96	2.37	0.8
0.8	48	11.52	3.99	1.65	0.42				7.1	2.47	0.84	0.28			8.6	2.92	1	0.33			10.3	3.62	1.25	0.41			13.69	9.62	3.27	1.1
0.9	54	14.2	4.91	2.03	0.51				8.75	3.04	1.04	0.35			10.59	3.59	1.22	0.41			12.7	4.46	1.53	0.51				12.66	4.3	1.44
1	60		5.92	2.44	0.62				10.55	3.66	1.25	0.42				4.33	1.47	0.49				5.37	1.85	0.61				14.32	4.86	1.63
1.2	72		8.19	3.37	0.85				5.06	1.72	0.58				5.98	2.03	0.68				7.43	2.55	0.84					5.45	1.83	
1.4	84		10.77	4.43	1.12				6.65	2.26	0.75				7.86	2.67	0.89				9.77	3.35	1.1					6.72	2.25	
1.5	90		12.18	5.01	1.26				7.52	2.56	0.85				8.89	3.02	1.01				11.05	3.79	1.24					8.11	2.71	
1.6	96		13.67	5.62	1.41				8.44	2.87	0.96				9.98	3.39	1.13				12.4	4.25	1.39					12.09	4.04	
1.8	108			6.94	1.74				10.42	3.54	1.18				12.31	4.18	1.39				5.24	1.72						16.77	5.6	
2	120				8.37	2.1				4.27	1.42					5.04	1.68				6.32	2.07						7.38		
2.5	150				12.48	3.13				6.36	2.11					7.51	2.5				9.42	3.08						9.37		
3	180					4.33				8.81	2.92					10.41	3.46				13.06	4.27						11.59		
3.5	210					5.71				11.62	3.85						4.55					5.62							14.01	
4	240					7.25					4.89						5.78					7.15								
4.5	270					8.96					6.04						7.14					8.83								
5	300					10.83					7.3						8.63					10.67								
5.5	330					12.86					8.66						10.25					12.67								
6	360										10.13																			

Please see overleaf for further Friction Loss tables.

Useful Pumping Information

DAVEY

PIPE FRICTION CONTINUED...

Friction Loss for Poly Pipe (m/100 metres of pipe)

lps	lpm	m³/hr	Flow Rate		25mm O.D.		32mm O.D.		40mm O.D.		50mm O.D.		63mm O.D.		75mm O.D.		90mm O.D.		110mm O.D.		
			PN 6.3	PN 12.5	PN 6.3	PN 12.5															
0.2	12	0.72	2.12	2.97	0.56	0.90	0.02	0.32													
0.5	30	1.80	10.53	14.83	2.78	4.45	0.86	1.58	0.27	0.55											
0.8	48	2.88	24.24	34.17	6.37	10.20	1.97	3.62	0.61	1.25											
1.0	60	3.60			9.46	15.17	2.92	5.38	0.91	1.85	0.33	0.61	0.14	0.26							
1.6	96	5.76			21.88		6.73	12.41	2.08	4.25	0.75	1.13	0.33	0.49							
2.0	120	7.20					10.02	18.50	3.10	6.33	1.11	2.07	0.48	0.89	0.20	0.37					
3.0	180	10.8							6.39	13.07	2.29	4.27	0.99	1.83	0.42	0.76	0.16	0.29			
4.0	240	14.4							10.70		3.82	7.15	1.65	3.05	0.69	1.27	0.27	0.49			
5.0	300	18.0								5.70		2.46	4.55	1.03	1.89	0.40	0.72				
6.0	360	21.6								7.92		3.42	6.32	1.43	2.63	0.55	1.00				
7.0	420	25.2										4.51		1.88	3.46	0.72	1.32				
9.0	540	32.4									7.09		2.96	5.45	1.14	2.07					
10.0	600	36.0												3.58	6.59	1.37	2.50				
15.0	900	54.0															2.85	5.20			
20.0	1200	72.0																4.80			

Friction Loss for PVC Pipe (m/100 metres of pipe)

lps	lpm	m³/hr	Flow Rate		25mm		32mm		40mm		50mm		80mm		100mm		150mm		
			PN 9	PN 12	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12	
0.2	12	0.72	0.42	0.47	0.14	0.16	0.07	0.09	—	—	—	—	—	—	—	—	—	—	
0.5	30	1.80	2.1	2.34	0.69	0.78	0.36	0.42	0.12	0.14	—	—	—	—	—	—	—	—	
0.8	48	2.88	4.8	5.36	1.58	1.79	0.83	0.95	0.28	0.32	0.04	0.05	—	—	—	—	—	—	
1.0	60	3.60	7.12	7.96	2.34	2.65	1.22	1.41	0.42	0.48	0.07	0.08	0.02	0.02	—	—	—	—	
1.6	96	5.76	16.46	18.4	5.38	6.1	2.81	3.24	0.96	1.09	0.15	0.17	0.05	0.05	—	—	—	—	
2.0	120	7.20			8.01	9.09	4.18	4.82	1.43	1.63	0.22	0.26	0.07	0.08	—	—	—	—	
3.0	180	10.8			16.56	18.8	8.62	9.95	2.93	3.35	0.46	0.53	0.14	0.16	0.03	0.03	—	—	
4.0	240	14.4					14.45	16.69	4.91	5.6	0.76	0.88	0.23	0.26	0.05	0.05	—	—	
5.0	300	18.0							7.33	8.37	1.14	1.31	0.34	0.39	0.07	0.08			
6.0	360	21.6							10.18	11.62	1.58	1.81	0.47	0.54	0.09	0.11			
7.0	420	25.2							13.44	15.35	2.08	2.39	0.62	0.71	0.12	0.14			
8.0	480	28.8									2.64	3.03	0.79	0.9	0.16	0.18			
9.0	540	32.4									3.27	3.75	0.97	1.11	0.19	0.22			
10.0	600	36.0									3.95	4.54	1.18	1.35	0.23	0.27			
15.0	900	54.0									8.22	9.44	2.44	2.8	0.48	0.55			
20.0	1200	72.0									15.56	17.9	4.57	5.24	0.88	1.01			

Friction Loss for Rubber Hose (m/100 metres of hose)

lps	lpm	m³/hr	Flow Rate					Friction Loss (m/100 metres of hose)				
			20mm	25mm	32mm	40mm	50mm	20mm	25mm	32mm	40mm	50mm
0.2	12	0.72	4.23	1.05	0.36	0.15						
0.5	30	1.80	22.51	5.44	1.83	0.76	0.19					
1.0	60	3.60		19.49	6.45	2.63	0.65					
2.0	120	7.20			23.41	9.43	2.28					
3.0	180	10.8				20.15	4.81					
4.0	240	14.4					8.22					
4.5	270	16.2						10.25				

Notes

Selecting the Right Pump for the Job



Your Davey Dealer is a water specialist with staff trained in the principles of pump operation and pump selection. When you visit your Davey Dealer seeking advice on a pump or water supply system, it will assist if you have taken a few minutes to gather some basic information on your requirements.

FILL IN THE ANSWERS TO THE QUESTIONS BELOW IN THE SPACES PROVIDED (tick boxes as appropriate)

1 For what purposes do you require a water pump?

- Household water pressure
- Garden watering/sprinklers
- Irrigation
- Stock water supply
- Hosing down
- Tank filling
- Firefighting
- Other (specify).....

4 Vertical suction lift from water supply level to the pump site?.....m / ft

5 Pipe length to be run on suction side of pump from applications other than a bore

.....

6 Diameter of suction pipe, if already laid.....mm / in and type of pipe e.g. polythene, galvanised iron, PVC, other (specify)

.....

1a Operating pressure required (if known)

.....kPa / psi

7 Vertical height from pump to highest point of delivery m / ft

2 Total output required (if known)L/min / USgpm OR

Total no. of taps to be serviced at one time:.....

8 Pipe length to be run on delivery side of pump

..... m / ft

3 From what source of supply is the water to be drawn?

- River, creek, channel
- Dam
- Rainwater tank (above ground)
- Underground tank
- Bore
- Spearpoint
- Other (specify).....

9 Diameter of delivery pipe, if already laid.....mm / in and type of pipe e.g. polythene, galvanised iron, PVC, other (specify)

.....

3a Water supply: clean, muddy or gritty?

.....

10 Type of pump required:

- Automatic pressure system
- Petrol Engine Driven pump
- Manual Electric Pump
- Diesel Engine Driven Pump
- Other (specify).....

3b If bore, state inside diameter of casing

Also depth.....m / ft

.....

3c If water is to be drawn from bore, state quantity of water bore will deliver.....L/min / USgpm

From what constant depth?.....m / ft

.....

What is the standing water level in the bore?

.....m / ft

11 If electric pump, voltage of electricity supply is:

1 phase – 230 volt OR 480 volt

3 phase – 415 volt

50 Hz OR 60 Hz

Other, please specify.....

Selecting the Right Pump for the Job

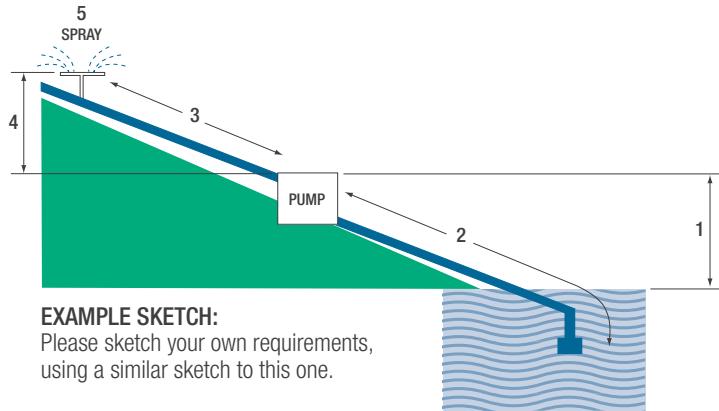
Name _____

Address _____ Postcode _____

Phone _____ Email _____

**PLEASE SKETCH YOUR PROPOSED LAYOUT
SO THAT WE CAN RECOMMEND THE BEST
EQUIPMENT FOR YOUR REQUIREMENTS:**

1. Vertical height from water level to pump?
2. Length of suction pipe to the pump?
3. Length water has to be pushed to outlet?
4. Vertical height from pump to outlet?
5. Total flow required?



Notes



GENERAL INFORMATION

Notes