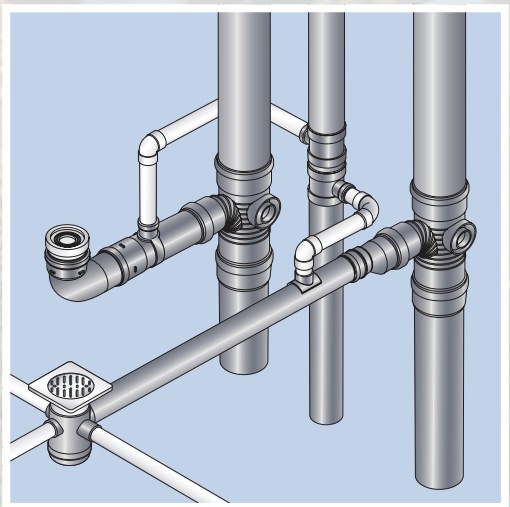
MARLEY
Plumbing & Drainage Solutions

Middle East

Product Guide



marleypd.co.uk

Marley systems

Marley Plumbing & Drainage offer a complete range of above and below ground drainage systems, manufactured to exacting UK and European standards and designed for commercial and large-scale developments as well as smaller projects. Products are produced within the BS EN ISO 9001 system of supervision and control of Quality management systems and bear the BSI Kitemark where appropriate. All products are packed appropriately for shipment to a worldwide network of distributors.

Product specification information
This guide contains detailed product specification information together with design and installation information for the Marley PVCu soil & waste, Multikwik WC connectors, aluminium roof outlets and underground drainage ranges.

Production information
Information on the complete range of Marley Plumbing and Drainage system solutions is available to download from aliaxis-gulf.com

bsi. ISO 9001 Quality Management | ISO 14001 Environmental Management

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The Marley Range

Solid wall system

- 82mm, 110mm & 160mm diameters
- Private drainage
- Plain ended and socketed pipe
- Adaptors to other materials
- Access fittings
- 250mm and 450mm inspection chambers
- Adjustable and variable bends
- A wide range of gullies
- Manufactured to BS EN 1401
- BBA 88/1977 certification
- A number of solid wall fittings are also suitable for use with 150mm quantum and highway pipes.

Traps

Designed by our plumbing experts, the Multikwik traps range is a comprehensive suite of products which provide reliable solutions for both typical and more challenging installations.

From standard traps for basins, baths and showers to more complex utility traps and nozzles for appliance connections, the Multikwik range has a product suited to the job.

WC Connectors

Thanks to the flexible EVA and reliable TPE seals, the Multikwik WC connectors allow for imperfect pipes and spigots, while still ensuring a watertight joint past the point of installation – ideal for tolerating movement and WC load bearing pressures. The seals and multidepth fins give additional peace of mind for a secure seal.

PVCu soil and waste systems

The PVCu soil system is available in 82, 110 and 160mm diameters, with push-fit and solvent weld options incorporating socketed and plain ended pipe.

110 and 160mm pipe support components have been designed specifically to support horizontal or vertical suspended PVCu pipework.

Pipes and fittings are also suitable for use as internal and external rainwater pipes to drain flat roofs and metal gutter systems on commercial and industrial buildings.

High rise buildings

Marley Plumbing & Drainage are specialists in sanitary pipework products, with a PVC soil & waste range available in diameters up to 200mm which is suitable for most high-rise building applications.

PVC soil stack installations can also incorporate sound reduction or HDPE sections, if necessary. Please contact your local sales representative to discuss your requirements.

Marley Technical Services design drainage pipework systems using the three methods of soil stack ventilation; secondary ventilation, single stack system with Stack-Aerator and active drainage ventilation using Studor P.A.P.A. and AAVs. For further product information on the Studor range, please see page 23.

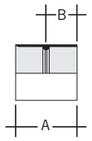
Solvent waste, PVCu

PIPE

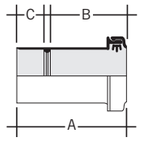
Size mm	Code	Length	Colour	Qty
32	**KP104AE**	4m	W B G	10
40	**KP204AE**	4m	W B G	10
50	**KP304AE**	4m	W B G	5

Double spigot

STRAIGHT COUPLINGS



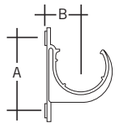
Size mm	Code	A	B	Colour	Qty
32	**KSC1**	46	20	W B G	60
40	**KSC2**	53	24	W B G	30
50	**KSC3**	66	28	W B G	30



Size mm	Code	A	B	C	Colour	Qty
32	**KEC1**	86	61	20	W G	10
40	**KEC2**	90	64	23	W G	10
50	**KEC3**	82	50	30	W G	10

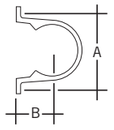
Expansion/adaptor

PIPE CLIPS



Size mm	Code	A	B	Colour	Qty
32	**KF1**	57	30	W B G	100
40	**KF2**	62	30	W B G	100
50	**KF3**	77	41	W B G	80

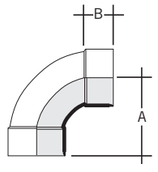
Open PVCu



Size mm	Code	A	B	Colour	Qty
32	**WC3**	76	30	W B G	100
40	**WC4**	82	30	W B G	100
50	**WC5**	100	38	W G	80

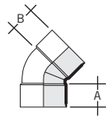
Saddle

BENDS



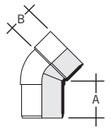
Size mm	Code	Angle	A	B	Colour	Qty
32	**KB1**	88½°	57	18	W B G	50
40	**KB2**	88½°	62	21	W B G	30
50	**KB3**	88½°	78	28	W B G	10

Solvent sockets



Size mm	Code	Angle	A	B	Colour	Qty
32	**KB12**	45°	29	18	W B G	10
40	**KB22**	45°	33	21	W B G	20
50	**KB32**	45°	42	28	W B G	20

Solvent sockets

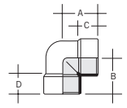


Size mm	Code	Angle	A	B	Colour	Qty
32	**KBA12**	45°	24	23	W G	40
40	**KBA22**	45°	35	26	W G	20

Solvent socket/spigot

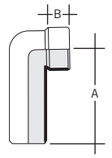
PVCc Solvent weld pipe is manufactured to BS EN 1329
PVCu Solvent weld fittings are manufactured to BS 5255

BENDS



Size mm	Code	Angle	A	B	C	D	Colour	Qty
40	**KBK25**	90°	48	48	23	23	W B G	20
50	**KBK35**	90°	59	50	20	28	W G	10

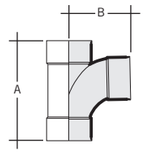
Knuckle bend/boss adaptor KBK35 is a Radius Bend which can solvent weld over a boss upstand



Size mm	Code	Angle	A	B	Colour	Qty
32	**KBS1**	87½°	92	18	W G	20
40	**KBS2**	87½°	92	23	W G	20

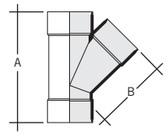
Solvent socket/spigot

TEES



Size mm	Code	Angle	A	B	Colour	Qty
32	**KT1**	88½°	92	57	W B G	30
40	**KT2**	88½°	106	62	W B G	20
50	**KT3**	88½°	135	78	W B G	10

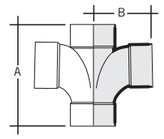
Solvent sockets



Size mm	Code	Angle	A	B	Colour	Qty
40	**KT21**	45°	117	78	W G	20
50	**KT31**	45°	149	100	W G	10

Solvent sockets

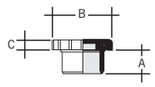
CROSS TEE



Size mm	Code	Angle	A	B	Colour	Qty
40	**KXT21**	88½°	106	62	W G	10
50	**KXT31**	88½°	140	87	W G	10

Solvent sockets

ACCESS PLUG



Size mm	Code	A	B	C	Colour	Qty
32	**KAP1**	22	53	8	W B G	10
40	**KAP2**	25	57	8	W B G	10
50	**KAP3**	33	71	8	W B G	10

SOCKET REDUCER

Size mm	Code	A	B	Colour	Qty
32-21.5	**KR175**	22	20	W G	100
40-32	**KR210**	28	22	W B G	80
50-32	**KR310**	32	28	W G	40
50-40	**KR320**	32	28	W B G	40

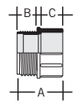
Solvent spigot/socket

IRON ADAPTORS

Female

Size mm	Code	A	B	C	Colour	Qty
32	**KFA1**	50	25	20	W G	10
40	**KFA2**	53	25	24	W G	10
50	**KFA3**	60	25	28	W G	10

Solvent socket/BSP thread



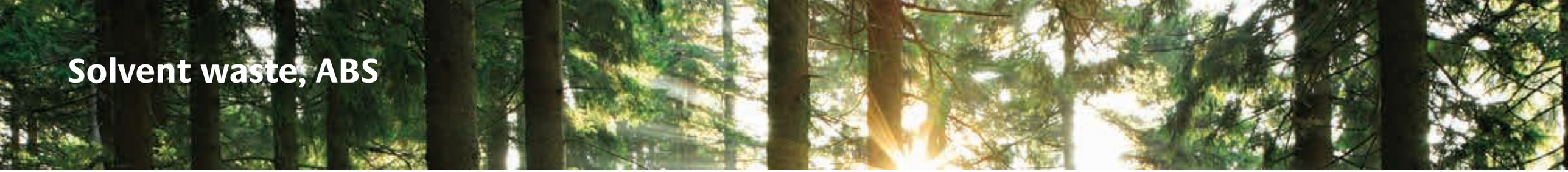
Male

Size mm	Code	A	B	C	Colour	Qty
32	**KMA1**	44	20	20	W G	50
40	**KMA2**	47	20	24	W G	40
50	**KMA3**	53	20	28	W G	40

Solvent socket/BSP thread

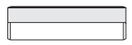
PVCc Solvent weld pipe is manufactured to BS EN 1329
PVCu Solvent weld fittings are manufactured to BS 5255

CAD drawing available to download from marleypd.co.uk



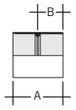
Solvent waste, ABS

PIPE

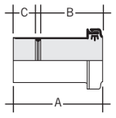


Size mm	Code	Length	Colour	Qty
32	**WAP34**	4m	W B G	10
40	**WAP44**	4m	W B G	10
50	**WAP54**	4m	W B G	5

STRAIGHT COUPLINGS



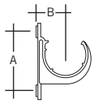
Size mm	Code	A	B	Colour	Qty
32	**WAC3**	40	20	W B G	40
40	**WAC4**	46	23	W B G	30
50	**WAC5**	63	30	W B G	30



Size mm	Code	A	B	C	Colour	Qty
32	**WAC31**	86	61	20	W	10
40	**WAC41**	90	64	23	W	10
50	**KEC3***	82	50	30	W	10

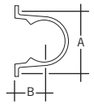
Expansion/copper adaptor

PIPE CLIPS



Size mm	Code	A	B	Colour	Qty
32	**KF1**	57	30	W B G	100
40	**KF2**	62	30	W B G	100
50	**KF3**	77	41	W B G	80

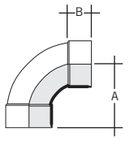
Open PCVu



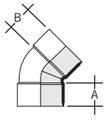
Size mm	Code	A	B	Colour	Qty
32	**WC3**	76	30	W B G	100
40	**WC4**	82	30	W B G	100
50	**WC5**	100	38	W	80

Saddle

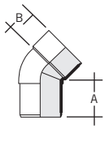
BENDS



Size mm	Code	Angle	A	B	Colour	Qty
32	**WAB3**	88½°	55	20	W B G	50
40	**WAB4**	88½°	64	23	W B G	30
50	**WAB5**	88½°	86	30	W B G	20

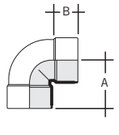


Size mm	Code	Angle	A	B	Colour	Qty
32	**WAB31**	45°	32	20	W B G	40
40	**WAB41**	45°	36	23	W B G	20
50	**WAB51**	45°	47	30	W B G	20



Size mm	Code	Angle	A	B	Colour	Qty
32	**WAB32**	45°	45	20	W	30
40	**WAB42**	45°	48	23	W	20

Spigot

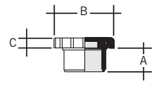


Size mm	Code	Angle	A	B	Colour	Qty
32	**WAB33**	90°	44	20	W B G	30
40	**WAB43**	90°	53	23	W B G	20

Knuckle bend

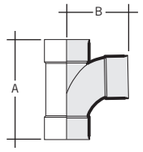
ABS Solvent weld system is manufactured to BS EN 1455-1 *PVCu

ACCESS PLUG

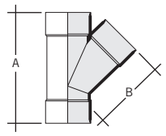


Size mm	Code	A	B	C	Colour	Qty
32	**WAA3**	22	53	8	W B G	10
40	**WAA4**	25	57	8	W B G	10
50	**WAA5**	33	71	8	W B G	10

TEES

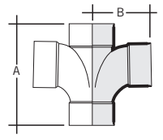


Size mm	Code	Angle	A	B	Colour	Qty
32	**WAT3**	88½°	90	55	W B G	30
40	**WAT4**	88½°	107	64	W B G	20
50	**WAT5**	88½°	140	86	W B G	10



Size mm	Code	Angle	A	B	Colour	Qty
32	**WAT31**	45°	102	65	W	20
40	**WAT41**	45°	117	79	W	20
50	**WAT51**	45°	150	100	W	10

CROSS TEE



Size mm	Code	Angle	A	B	Colour	Qty
40	**WAT42**	88½°	106	65	W	10
50	**WAT52**	88½°	140	88	W	10

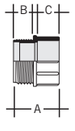
SOCKET REDUCER

Size mm	Code	A	B	Colour	Qty
40-32	**WAR43**	26	20	W B G	80
50-32	**WAR53**	31	20	W B G	40
50-40	**WAR54**	31	23	W B G	40

IRON ADAPTORS

Female

Size mm	Code	A	B	C	Colour	Qty
32	**WAF3**	50	25	25	W	10
40	**WAF4**	53	25	24	W	10
50	**WAF5**	60	25	28	W	10



Male

Size mm	Code	A	B	C	Colour	Qty
32	**WAM3**	44	20	20	W	50
40	**WAM4**	47	20	24	W	40
50	**WAM5**	53	20	28	W	40

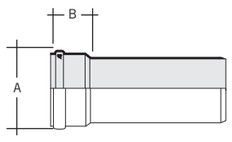
CAP AND LINING

Size mm	Code	A	Colour	Qty
32	**WAM31**	58	W	10

ABS Solvent weld system is manufactured to BS EN 1455-1 *PVC-c CAD drawing available to download from marleypd.co.uk

Push-fit soil, PVCu

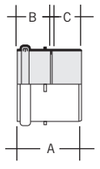
PIPE



Size mm	Code	Length	A	B	Colour	Qty
82	**SP303**	3m	100	76	B G	156
82	**SP304**	4m	100	76	G	156
110MM CO-EX SOIL						
110	**SP4025**	2.5m	128	70	B G	100
110	**SP403**	3m	128	70	W B G	100
110	**SP404**	4m	128	70	G	100
160	**SP603**	3m	182	107	G	46
160	**SP604**	4m	182	107	G	46

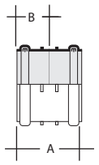
Push-fit socket

STRAIGHT COUPLINGS



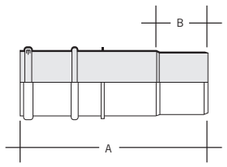
Loose pipe socket

Size mm	Code	A	B	C	Colour	Qty
82	**SE300**	103	50	48	B G	30
110	**SE400**	109	61	48	W B G	8
160	**SE600**	190	107	77	G	4



Double ring seal slip coupling

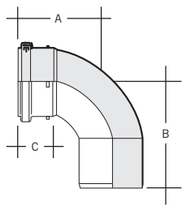
Size mm	Code	A	B	Colour	Qty
82	**SE305**	104	49	B G	30
110	**SE405**	128	64	B G	8
160	**SE605**	170	83	G	4



Triple socket

Size mm	Code	A	B	Colour	Qty
110	**SE402**	311	82	G	4

SHORT RADIUS BENDS

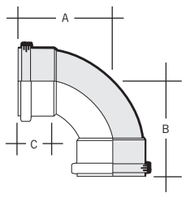


Size mm	Code	Angle	A	B	C	Colour	Qty
82	**SB31**	87½°	138	115	49	B G	20
110	**SB41**	87½°	158	157	70	W B G	4
160	**SFB61**	87½°	242	232	88	G	1

Push-fit socket/spigot

Size mm	Code	Angle	A	B	C	Colour	Qty
82	**SB35**	45°	76	73	49	B G	20
110	**SB45**	45°	84	89	62	W B G	4
160	**SFB65**	45°	120	118	85	G	2

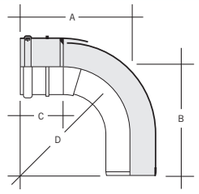
Push-fit socket/spigot



Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SB411**	88½°	135	145	50	B G	4

Double push-fit socket

ADJUSTABLE BENDS

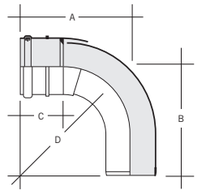


Size mm	Code	Angle	A	B	C	Colour	Qty
82	**SB37**	11-87½°	195	187	49	B G	10

Push-fit socket/spigot

Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SB46**	5-14°	125	135	82	G	4

Push-fit socket/spigot



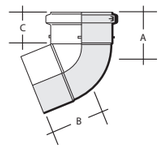
Size mm	Code	Angle	A	B	C	D	Colour	Qty
110	**SB47**	21-90°	189	187	90	127	B G	4

Push-fit socket/spigot

Size mm	Code	Angle	A	B	C	D	Colour	Qty
160	**SB67**	31-90°	285	275	96	184	G	2

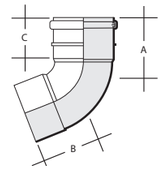
Push-fit socket/spigot

OFFSET BENDS



Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SNE405**	67½°	94	91	60	W B G	4

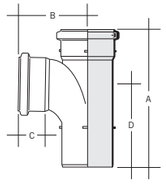
Push-fit solvent socket



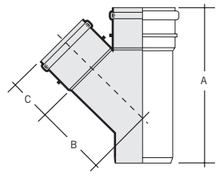
Size mm	Code	Angle	A	B	C	Colour	Qty
82	**SNE300**	67½°	98	86	57	B G	30
160	**SNE600**	67½°	178	182	88	G	140

Push-fit solvent socket.

EQUAL BRANCHES



Size mm	Code	Angle	A	B	C	D	Colour	Qty
110	**SY401**	87½°	299	150	60	175	W B G	4
160	**SY601**	87½°	438	245	96	260	G	2

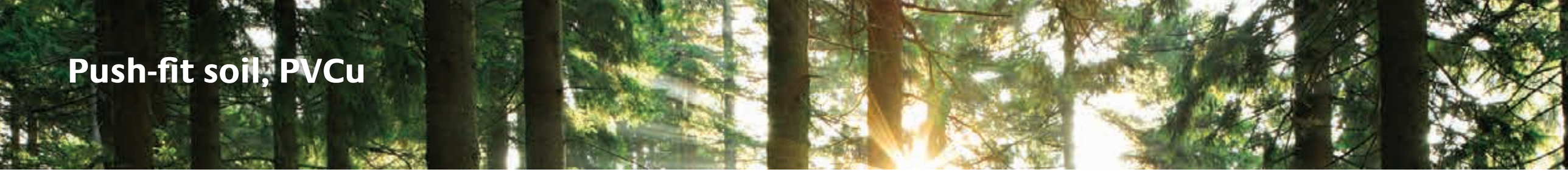


Size mm	Code	Angle	A	B	C	Colour	Qty
82	**SY36**	45°	229	130	55	G	10
110	**SY460**	45°	285	198	62	B G	4
160	**SY63**	45°	400	200	90	G	2

Push-fit sockets/spigot

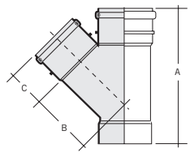
To BS 4514 and / or BS EN 1329 'B' as appropriate

CAD drawing available to download from marleypd.co.uk



Push-fit soil, PVCu

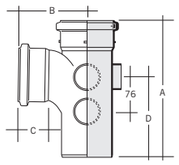
EQUAL BRANCHES



Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SY466**	45°	282	198	62	B G	4

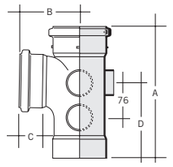
Push-fit sockets/solvent socket

FIVE BOSS BRANCHES



Size mm	Code	Angle	A	B	C	D	Colour	Qty
110	**SY405**	87½°	287	143	60	175	W B G	4

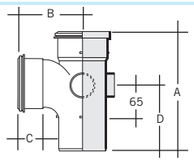
Push-fit sockets/spigot



Size mm	Code	Angle	A	B	C	D	Colour	Qty
110	**SYS415**	87½°	280	143	60	168	B G	4

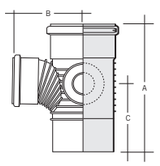
Push-fit sockets/solvent socket

THREE BOSS BRANCH



Size mm	Code	Angle	A	B	C	D	Colour	Qty
82	**SY33F**	87½°	212	122	52	121	B G	10

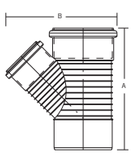
UNEQUAL BRANCHES



Size mm	Code	Angle	A	B	C	Colour	Qty
160x110	**SY64**	87½°	337	175	175	G	2

Push-fit sockets/spigot. 2 boss/access upstands

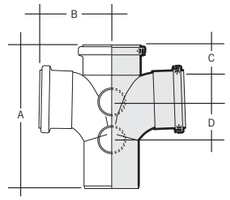
UNEQUAL BRANCHES



Size mm	Code	Angle	A	B	Colour	Qty
160x110	**SY66**	45°	335	306	G	2

Push-fit sockets/spigot

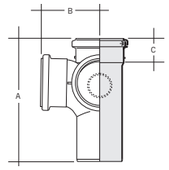
DOUBLE BRANCH



Size mm	Code	Angle	A	B	C	D	Colour	Qty
110	**SY404**	87½°	288	141	54	76	G	4

Push-fit sockets/spigot. 2 boss/access upstands

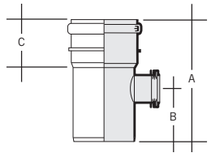
CORNER BRANCH



Size mm	Code	Angle	A	B	C	D	Colour	Qty
110	**SY411°**	87½°	287	143	60	175	G	4

Push-fit sockets/spigot. 1 boss upstand

BOSS PIPES



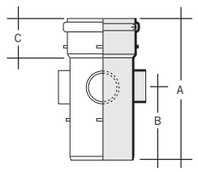
Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SW41**	87½°	204	86	82	W B G	4

Push-fit socket/spigot. 1 40mm boss connection

Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SW415**	87½°	204	86	82	B G	4

Push-fit socket/spigot. 1 32mm boss connection

BOSS PIPES



Size mm	Code	Angle	A	B	C	Colour	Qty
82	**SW30**	90°	202	101	49	B G	15

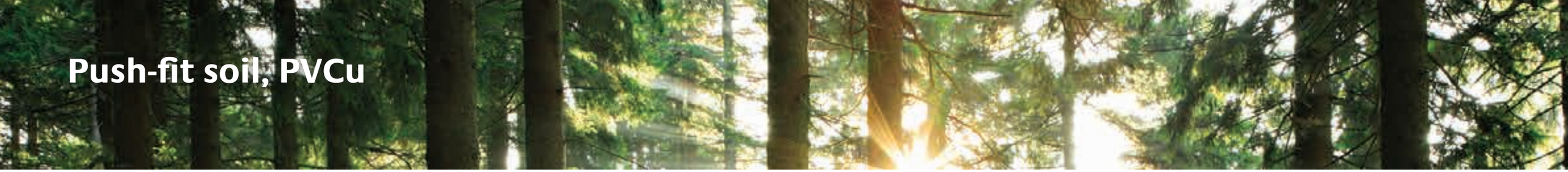
Push-fit socket/spigot. 3 boss upstands, 1 drilled

Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SW40**	90°	244	123	70	W B G	4

Push-fit socket/spigot. 4 boss upstands

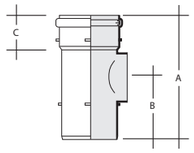
To BS 4514 and / or BS EN 1329 'B' as appropriate

CAD drawing available to download from marleypd.co.uk

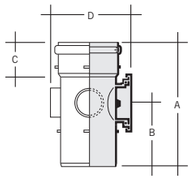


Push-fit soil, PVCu

ACCESS PIPES



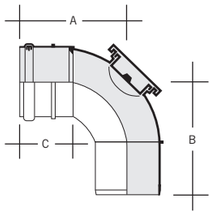
Size mm	Code	A	B	C	Colour	Qty
82	**SF31**	205	101	52	B G	15



Size mm	Code	A	B	C	D	Colour	Qty
110	**SF41**	244	123	70	152	B G	4

Socket/spigot

REAR ACCESS BENDS



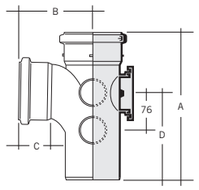
Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SB42**	87½°	138	146	55	B G	4

Push-fit socket/spigot

Adjustable 64° – 87½°

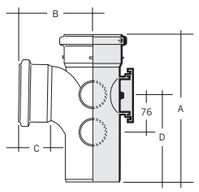
Size mm	Code	A	B	C	Colour	Qty
82	**SB38**	124	127	57	B G	1

REAR ACCESS BRANCHES



Size mm	Code	Angle	A	B	C	D	Colour	Qty
110	**SY402**	87½°	287	143	60	175	B G	4

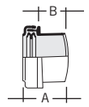
2 boss upstands



Size mm	Code	Angle	A	B	C	D	Colour	Qty
82	**SY34F**	87½°	212	121	52	101	B G	6

Fixed

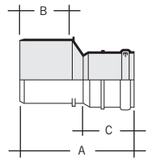
BOSS CONNECTOR



Size mm	Code	Angle	A	B	Colour	Qty
32	**SA411**	87½°	43	21	W B G	50
40	**SA421**	87½°	43	21	W B G	40
50	**SA420**	87½°	66	45	B G	40

Solvent weld with push-fit seal

LEVEL INVERT REDUCERS



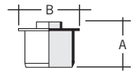
Size mm	Code	A	B	C	Colour	Qty
110x82	**SRM304**	192	78	82	B G	20

Spigot/socket

Size mm	Code	A	B	C	Colour	Qty
160x110	**SRM604**	219	90	82	G	4

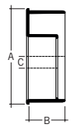
Spigot/socket

CONCENTRIC REDUCER



Size mm	Code	A	B	Colour	Qty
110-50	**SE41**	105	135	B G	18

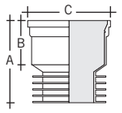
Spigot to boss upstand



Size mm	Code	A	B	C	Colour	Qty
160	**SRS604**	168	68	20	G	6

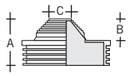
Spigot to boss upstand

ADAPTOR



Size mm	Code	A	B	C	Colour	Qty
110	**SA42**	130	65	130	B	40

Soil to drain adaptor

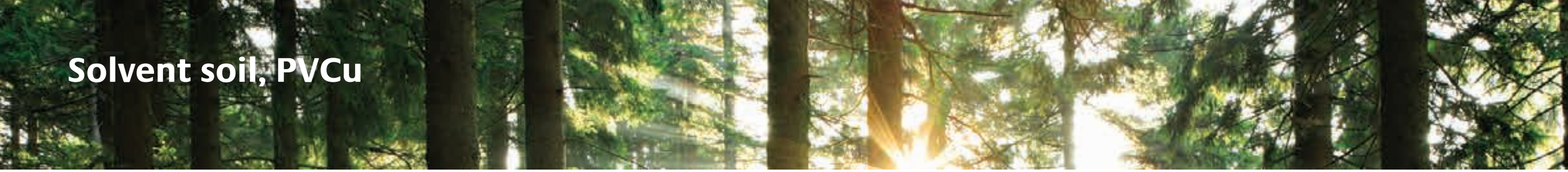


Size mm	Code	A	B	C	Colour	Qty
110	**SA110**	58	25	34	B	10

Waste to drain adaptor

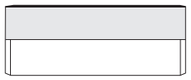
To BS 4514 and / or BS EN 1329 'B' as appropriate

CAD drawing available to download from marleypd.co.uk



Solvent soil, PVCu

PIPE

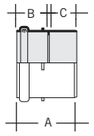


110MM CO-EX SOIL

Size mm	Code	Length	Colour	Qty
110	**SL403**	3m	W B G	100
110	**SL404**	4m	G	100
160	**SL603**	3m	G	46
160	**SL604**	4m	G	46

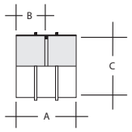
Double spigot

STRAIGHT COUPLINGS



Loose pipe socket

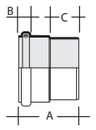
Size mm	Code	A	B	C	Colour	Qty
82	**SE300**	103	50	48	B G	30
110	**SE400**	109	61	48	W B G	8
160	**SE600**	190	107	77	G	4



Double solvent socket

Size mm	Code	A	B	C	Colour	Qty
82	**SES301**	93	44	82	G	50
110	**SES401**	102	50	124	B G	8
160	**SES601**	174	64	128	G	4

EXPANSION COUPLING

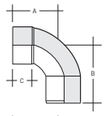


Solvent socket ring seal adaptor

Size mm	Code	A	B	C	Colour	Qty
110	**SE409**	105	20	52	B G	8

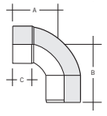
To accommodate thermal movement in both vertical and horizontal solvent pipework

SHORT RADIUS BENDS



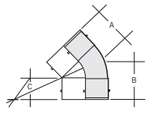
Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SBS41**	87½°	162	168	50	G	4

Solvent socket/spigot



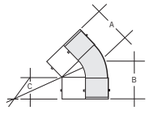
Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SBS42**	87½°	149	149	47	B G	4
160	**SBS62**	87½°	186	186	66	G	2

Double solvent socket



Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SBS45**	45°	76	76	52	B G	4
160	**SBS65**	45°	98	98	66	G	2

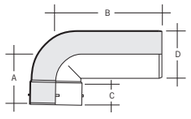
Double solvent socket



Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SBS415**	45°	76	89	52	B G	4

Solvent socket/spigot

LONG RADIUS BEND

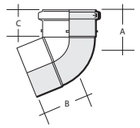


Size mm	Code	Angle	A	B	C	D	Colour	Qty
110	**SBS40**	87½°	114	240	48	110	W B G	4

Solvent socket/spigot

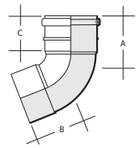
To BS 4514 and / or BS EN 1329 'B' as appropriate

OFFSET BENDS



Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SNE405**	67½°	76	61	60	W B G	4

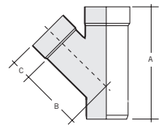
Push-fit solvent socket



Size mm	Code	Angle	A	B	C	Colour	Qty
82	**SNE300**	67½°	88	48	49	B G	30
160	**SNE600**	67½°	178	182	96	G	140

Push-fit solvent socket.

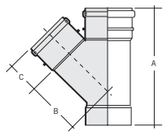
EQUAL BRANCH



Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SYS460**	45°	277	135	55	B G	4

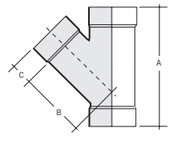
Solvent sockets/spigot

EQUAL BRANCHES



Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SY466**	45°	282	138	60	B G	4

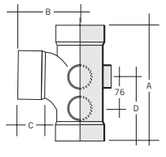
Push-fit sockets/solvent socket



Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SYS466**	45°	274	135	55	B G	4
160	**SYS666**	45°	362	194	66	G	4

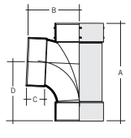
Triple solvent sockets

FIVE BOSS BRANCH



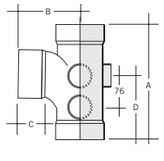
Size mm	Code	Angle	A	B	C	D	Colour	Qty
110	**SYS405**	87½°	272	135	55	168	B G	4

Triple solvent socket



Size mm	Code	Angle	A	B	C	D	Colour	Qty
160	**SYS601**	87½°	270	180	66	205	G	2

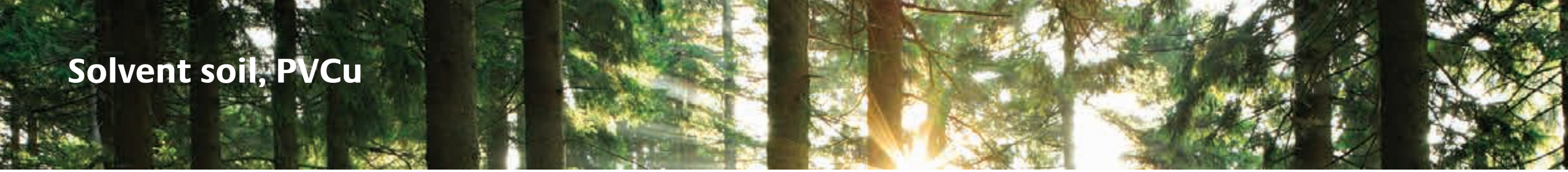
Triple solvent socket



Size mm	Code	Angle	A	B	C	D	Colour	Qty
110	**SY415**	87½°	279	135	55	175	B G	4

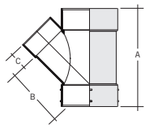
Solvent socket/spigot

CAD drawing available to download from marleypd.co.uk

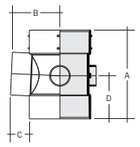


Solvent soil, PVCu

UNEQUAL BRANCHES

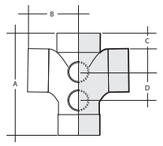


Size mm	Code	Angle	A	B	C	Colour	Qty
160	**SYS644**	45°	286	169	55	G	4



Size mm	Code	Angle	A	B	C	D	Colour	Qty
160	**SYS664**	87½°	234	132	52	118	G	4

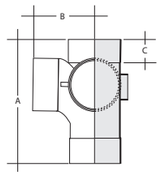
DOUBLE BRANCH



Size mm	Code	Angle	A	B	C	D	Colour	Qty
110	**SYS404**	87½°	274	133	45	76	G	4

All solvent sockets, 4 boss upstands

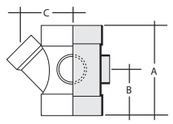
CORNER BRANCH



Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SYS411°**	87½°	272	135	55	G	1

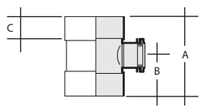
All solvent sockets. 1 boss upstand

BOSS PIPES



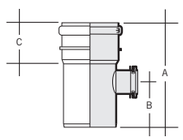
Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SWS4135**	45°	186	93	145	G	4

All solvent sockets. Three 50mm boss upstands



Size mm	Code	Angle	A	B	C	Colour	Qty
110x32	**SWS415**	87½°	170	85	52	W B G	4

Double solvent socket. One 32mm boss connection



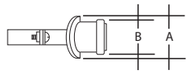
Size mm	Code	Angle	A	B	C	Colour	Qty
110x40	**SWS41**	87½°	170	85	52	W B G	4

Double solvent socket. One 40mm boss connection

Size mm	Code	Angle	A	B	C	Colour	Qty
110x50	**SWS42**	87½°	170	85	52	B G	4

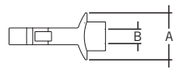
Double solvent socket. One 50mm boss connection

STRAP-ON-BOSS



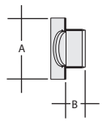
Size mm	Code	Angle	A	B	Required hole size	Colour	Qty
32x110	**SWS4150**	90°	70	55	50	B G	40
40x110	**SWS410**	90°	70	62	50	B G	40
50x110	**SWS420**	90°	86	75	63	B G	30

CONDENSATE STRAP-ON-BOSS



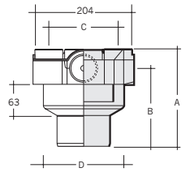
Size mm	Code	Angle	A	B	Colour	Qty
21.5x110	**SWS4C**	90°	70	21.5	G	50

PATCH BOSS



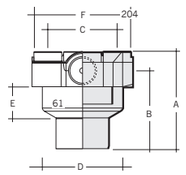
Size mm	Code	A	B	Colour	Qty
32x82	**SWS332**	95	18	G	20
40x82	**SWS340**	95	23	G	20
50x82	**SWS350**	95	27	G	20

8-WAY COLLAR BOSS



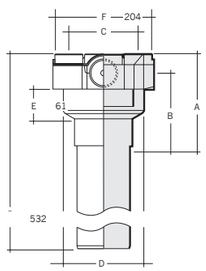
Size mm	Code	A	B	C	D	Colour	Qty
110	**SCB41**	195	157	140	164	G	1

Solvent socket/spigot



Size mm	Code	A	B	C	D	Colour	Qty
110	**SCBS41**	184	146	140	164	G	1

Double solvent socket tail



Size mm	Code	A	B	C	D	Colour	Qty
110	**SCBL41**	532	146	140	164	G	1

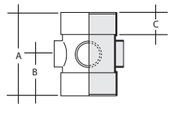
Solvent socket/spigot with 350mm spigot tail

To BS 4514 and / or BS EN 1329 'B' as appropriate

CAD drawing available to download from marleypd.co.uk

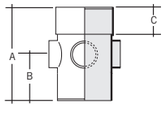
Solvent soil, PVCu

BOSS PIPES



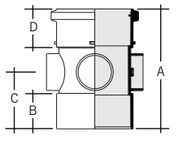
Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SWS40**	90°	179	92	55	B G	4
160	**SWS60**	90°	200	100	66	G	4

Double solvent socket. 4 boss upstands, 1 drilled



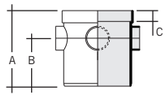
Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SWS405**		179	92	54	B G	4

Solvent socket/spigot. 4 boss upstands, 1 drilled



Size mm	Code	Angle	A	B	C	D	Colour	Qty
110	**SWS406**	90°	184	55	87	60	G	4

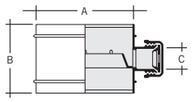
Push-fit/Solvent socket. 4 boss upstands.



Size mm	Code	Angle	A	B	C	Colour	Qty
160	**SW60**	90°	335	110	96	G	4

Solvent socket/spigot.

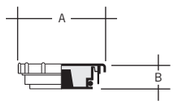
CONDENSATION TRAP



Size mm	Code	A	B	C	Colour	Qty
110	**SCT4°**	115	82	22	G	6

With 21.5/22mm overflow connection

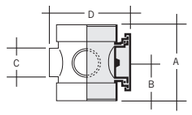
ACCESS CAPS



Size mm	Code	A	B	Colour	Qty
82	**SE30**	114	35	B G	30
110	**SE40**	150	37	B G	30
160	**SE62**	195	40	G	15

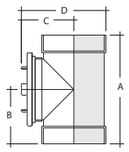
With pressure plug

ACCESS PIPES



Size mm	Code	A	B	C	D	Colour	Qty
110	**SFS41**	150	75	56	154	W B G	4

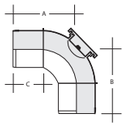
Double solvent sockets. 3 boss upstands



Size mm	Code	A	B	C	D	Colour	Qty
160	**SF611**	287	144	138	223	G	2

Double solvent sockets

REAR ACCESS BEND



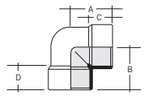
Size mm	Code	Angle	A	B	C	Colour	Qty
110	**SBS420**	87½°	131	128	54	B G	4

Double solvent socket

BOSS CONNECTORS

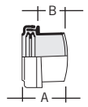
Size mm	Code	A	B	Colour	Qty
32	**SA415**	35	20	G	50
40	**SA425**	30	25	B G	50
50	**SA435**	58	28	G	50

Solvent weld with solvent weld joint



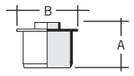
Size mm	Code	Angle	A	B	C	D	Colour	Qty
40	**KBK25**	90°	48	48	23	23	W B	20
50	**KBK35**	90°	59	50	20	28	W	10

Solvent weld



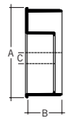
Size mm	Code	A	B	Colour	Qty
32	**SA411**	43	21	W B G	50
40	**SA421**	43	21	W B G	40
50	**SA420**	66	45	B G	40

CONCENTRIC REDUCERS



Size mm	Code	A	B	Colour	Qty
110-50	**SE41**	105	135	B G	18

Spigot to boss upstand



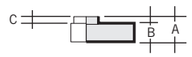
Size mm	Code	A	B	C	Colour	Qty
160-110	**SRS604**	168	68	20	G	6

Spigot/Socket

ECCENTRIC REDUCERS

Size mm	Code	A	B	Colour	Qty
82-50	**SRM30**	66	35	B G	90

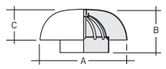
Spigot tail



Size mm	Code	A	B	C	Colour	Qty
110-50	**SRM402**	48	25	19	B G	10

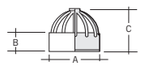
Solvent socket to boss upstand

VENT TERMINALS



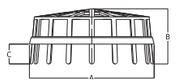
Roof cowl/vent terminal

Size mm	Code	A	B	C	Colour	Qty
110	**SVC1**	200	98	70	W B G	10



Vent terminal

Size mm	Code	A	B	C	Colour	Qty
82	**SV321**	90	30	75	B G	30
110	**SV42**	117	34	95	W B G	60

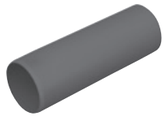
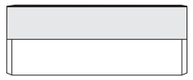


Vent terminal

Size mm	Code	A	B	C	Colour	Qty
160	**SV62°**	160	71	25	G	20

200mm Push-fit soil, PVCu

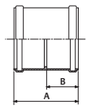
PIPE

Size mm	Code	Length	Colour
200	**SL806**	6m	G

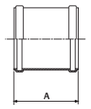
Double Spigot

STRAIGHT COUPLINGS



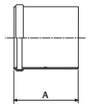
Size mm	Code	Angle	A	B	Colour
200	**063204M**		217	106	G

Rubber ring/Rubber ring



Size mm	Code	Angle	A	Colour
200	**061204M**		217	G

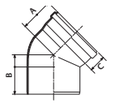
Slip coupler



Size mm	Code	Angle	A	Colour
200	**063208M**		217	G

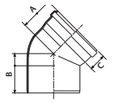
Rubber ring/Solvent cement

SHORT RADIUS BENDS



Size mm	Code	Angle	A	B	C	Colour
200	**070204M**	45°	148	146	84	G

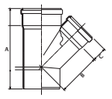
Socket/Spigot



Size mm	Code	Angle	A	B	C	Colour
200	**071204M**	90°	207	205	85	G

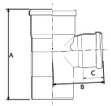
Socket/Spigot

EQUAL BRANCHES



Size mm	Code	Angle	A	B	C	Colour
200	**030204M**	45°	482	256	81	G

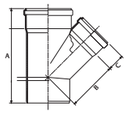
Socket/Spigot



Size mm	Code	Angle	A	B	C	Colour
200	**081204M**	87°	410	119	86	G

Socket/Spigot

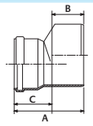
UNEQUAL BRANCHES



Size mm	Code	Angle	A	B	C	Colour
200 x 160	**031204M**	45°	432	232	74	G

Socket/Spigot

LEVEL INVERT REDUCERS

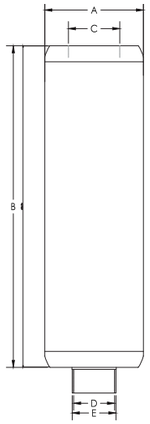


Size mm	Code	Angle	A	B	C	Colour
200 x 160	**051404M**		213	100	113	G

Socket/Spigot

Active drainage

STUDOR P.A.P.A. (POSITIVE AIR PRESSURE ATTENUATOR)



Size mm	Code	A	B	C	D	E	F	G	H	I	Colour	Qty
75/110	**8F-STU616-WHB**	200	652	104	83	89	111	50	75	106	W	1

Installation recommendations

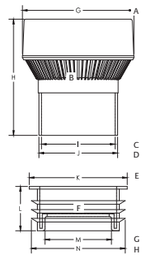
5 - 10 floors	One unit on the base
11 - 15 floors	One unit on the base, one halfway
16 - 25 floors	One on base, one on 5th floor, one half way or remaining floors above 5th floor
26 - 50 floors	Two units in series on the base, then one unit on every fifth floor up to the 25th floor, and then one every 10th floor
51 or more	Please consult with manufacturer for further information

Temperature range	- 20°C to + 60°C - 40°F to + 150°F
Max. pressure rating	10,000 Pa (1m/40" H_2O) at 0 Pa or higher

Volume Capacity

Series assembly	(litres)
1 unit	3.785
2 units	7.570
3 units	11.355
4 units	15.140

STUDOR MAXI-VENT WITH CONNECTOR



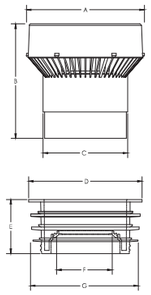
Size mm	Code	A	B	C	D	E	F	G	H	I	Colour	Qty
75/110	**8F-STU616-WHB**	200	652	104	83	89	111	50	75	106	W	1

Performance parameter

Temperature range	- 40°C to + 60°C (CE) - 40°F to + 150°F (ASSE)
Opening pressure	-70 Pa (-0.010 PSI)
Max. pressure rating tightness	10,000 Pa (1m/40" H_2O) at 0 Pa or higher

Air flow capacity	Branch	Stack
Europe	32 l/s	32 l/s
AU/NZ	32 l/s / 1728 FU	32 l/s / 125 FU
USA	1 to 160 DFU	72 to 500 DFU

STUDOR MINI-VENT WITH CONNECTOR



Size mm	Code	A	B	C	D	E	F	G	Qty
32-63	**49017**	70	67	47	67	31.9	33	64	1

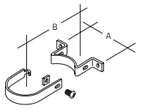
Performance parameter

Temperature range	-20°C to +60°C (CE) -40°F to +150°F (ASSE)
Opening pressure	-70 Pa (-0.010 PSI)
Max. pressure rating tightness	10,000 Pa (1m/40" H_2O) at 0 Pa or higher

Air flow capacity	Branch	Stack
Europe	7.5 l/s	7.5 l/s
AU/NZ	7.5 l/s / 94 FU	7.5 l/s / 7 FU
USA	1 to 160 DFU	8 to 24 DFU

Accessories

CLIPS



Socket clip

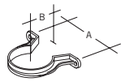
Size mm	Code	A	B	Colour	Qty
110	**SC41**	152	101	B G	50
160	**SC61**	240	121	G	50

PVC coated mild steel, includes 6x20mm nut and bolt

Barrel clip collar

Size mm	Code	Colour	Qty
1000	**SC621**	G	25

Converts socket clip to pipe clip (3x110mm or 2x160mm)



Pipe clip

Size mm	Code	A	B	Colour	Qty
82	**SC35**	117	70	B G	20

PVCu

Pipe clip

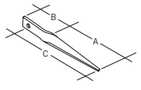
Size mm	Code	A	B	Colour	Qty
82	**SC35**	117	70	B G	20

PVCu

Extension backplate

	Code	A	B	Colour	Qty
	RT200	104	45	W B G BR	50

PVCu
For use with RC251/2, RCE2 and RC32 pipe clips



Drive-in spike

Size mm	Code	A	B		Colour	Qty
	RSS1°	115	58	19	G	50

For use with drive-in spike or backplate.

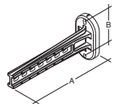
Backplate

	Code	A	B	Colour	Qty
	RCB300	48	31	W B G BR	100

For use with SC355

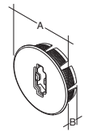
To BS 4514 and / or BS EN 1329 'B' as appropriate

CLIPS



Extension Bracket

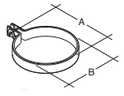
	Code	A	B	Colour	Qty
110	**RT250**	243	114	B G	20



Cover plate

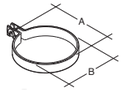
	Code	A	B	Colour	Qty
110	**RT2501**	111	35	B G	1

For use with RT250



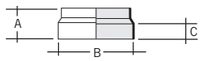
Pipe clip

	Code	A	B	Colour	Qty
110	**RPC1**	137	111	B G	20



Socket clip

	Code	A	B	Colour	Qty
110	**RSC1**	141	119	B G	1



Weathering collar

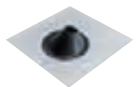
Size mm	Code	A	B	C	Colour	Qty
82	**SV31***	51	94	25	B	100
110	**SV43**	57	130	25	W B G	35

PVCu for solvent joint to pipe *Available in black rubber only.

WEATHERING SLATES

Size mm	Code	A	B	Colour	Qty
400	**SAS40**	400	400	G	5

Flat



Size mm	Code	A	B	Colour	Qty
450	**SAS45**	450	450	G	5
610	**SAS61**	610	610	G	5

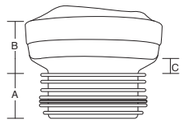
Inclined. Aluminium to rubber

To BS 4514 and/or BS EN 1329 'B' as appropriate. Accessories are suitable for both push-fit and solvent soil systems
CAD drawing available to download from marleypd.co.uk

WC connectors/Modern

PIPE: 1: Standard 99-105mm 2: Cast Iron 88-92mm 3: Old 74-77mm 4: Copper 105-108mm

STRAIGHT

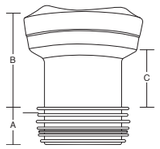


BBA 88/2107

Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKS2	97 – 108	99 – 105	0.16	43	52	15

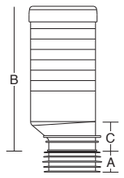
Known as the No.2 – the plumbers favourite
This connector is for new style pans only

EXTENDED STRAIGHT



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKS4	97 – 108	99 – 105	0.19	45	105	70

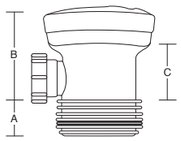
LONG ADJUSTABLE STRAIGHT



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKLAS1	97 – 108	99 – 105	0.46	40	285	255

Can be cut to suit
This connector is for new style pans only

STRAIGHT – INCLUDING VENT BOSS



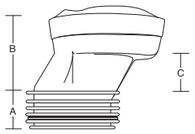
Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKSB4	97 – 108	99 – 105	0.22	42	104	70

40mm vent boss

18MM OFFSET

Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MK02	97 – 108	99 – 105	0.17	45	70	20

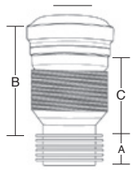
40MM OFFSET



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MK04	97 – 108	99 – 105	0.19	43	85	43

PIPE: 1: Standard 99-105mm 2: Cast Iron 88-92mm 3: Old 74-77mm 4: Copper 105-108mm

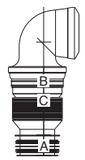
MULTICLIK – FLEXIBLE STRAIGHT



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKC2	97 – 108	99 – 105	0.37	50	170	120

Extends from 225 to 550mm
Superior quality hose retains its position whatever shape is required
Ideal when installing back to the wall, floor standing pans

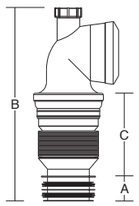
MULTICLIK 90° BEND



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKC2B90	97 – 108	99 – 105	0.57	50	270	110

Extends from 375 to 710mm
Superior quality hose retains its position whatever shape is required
Converts a 'P' trap into an 'S' trap with adjustment for final connection

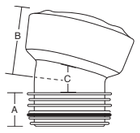
MULTICLIK 90° BEND INCLUDING BOSS



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKC2BB90	97 – 108	99 – 105	0.59	50	265	105

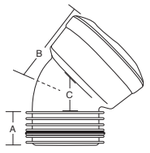
Extends from 405 to 740mm
Superior quality hose retains its position whatever shape is required
Converts a 'P' trap into an 'S' trap with adjustment for final connection
To be installed in a vertical position

14° BEND



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKB114	97 – 108	99 – 105	0.19	43	80	30

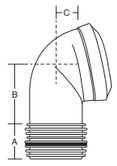
45° BEND



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKB45	97 – 108	99 – 105	0.19	43	100	60

Ideal for corner installations

104° BEND



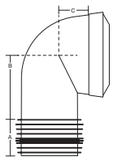
Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKB21104	97 – 108	99 – 105	0.24	60	110	34

WC connectors/Modern

PIPE: 1: Standard 99-105mm 2: Cast Iron 88-92mm 3: Old 74-77mm 4: Copper 105-108mm

90° BEND

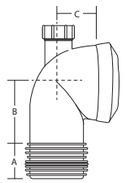
1



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKB2190	97 – 108	99 – 105	0.30	60	115	80

90° BEND – INCLUDING VENT BOSS

1

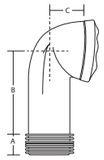


Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKBB2190	97 – 108	99 – 105	0.31	60	110	65

40mm vent boss
Must be used in a vertical position if boss is being used

90° BEND – TALL

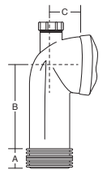
1



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKB3190	97 – 108	99 – 105	0.36	43	200	90

90° BEND – INCLUDING BOSS

1

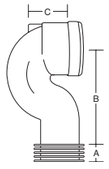


Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKBB3190	97 – 108	99 – 105	0.35	43	200	70

Includes 40mm compression boss
Must be used in a vertical position if boss is being used

90° SPACE SAVER BEND

1



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKBAR90	97 – 108	99 – 105	0.38	34	255	91

Ideal when replacing old BS1213 'S' trap pans
Can be cut to suit both horizontally and vertically

RIGID 18MM OFFSET

1

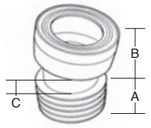
Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKR02	97 – 108	99 – 105	0.20	35	80	35

40mm vent boss

PIPE: 1: Standard 99-105mm 2: Cast Iron 88-92mm 3: Old 74-77mm 4: Copper 105-108mm

RIGID 14° BEND

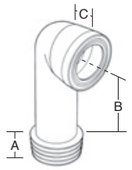
1



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKRB14	97 – 108	99 – 105	0.20	40	105	40

RIGID 90° BEND

1

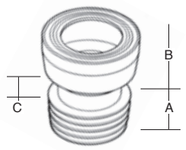


Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKRB90	97 – 108	99 – 105	0.33	37	210	50

Adjustable length: remove the fined seal and cut with a fine tooth saw

RIGID STRAIGHT

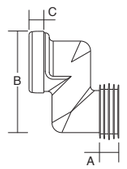
1



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKRS2	97 – 108	99 – 105	0.20	37	75	30

RIGID 100MM OFFSET

1

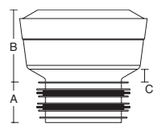


Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MK0100	97 – 108	99 – 105	0.26	40	207	26

Extension length: 15mm

EXTENDED STRAIGHT FOR 3½" SOIL

2



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKS7	97 – 108	88 – 92	0.17	41	70	15

Extension length: 15mm

18MM OFFSET FOR 3½" SOIL

2

Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MK07	97 – 108	88 – 92	0.15	34	77	30

WC connectors/Modern

PIPE: 1: Standard 99-105mm 2: Cast Iron 88-92mm 3: Old 74-77mm 4: Copper 105-108mm

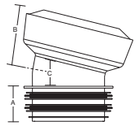
18MM OFFSET OLD BS1213 PANS TO OVERSIZE SOIL

4

Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MK01S	97 – 108	105 – 108	0.18	45	76	20

14° BEND FOR OVERSIZE SOIL

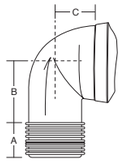
4



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKB114S	97 – 108	105 – 108	0.20	43	80	35

90° BEND FOR OVERSIZE SOIL

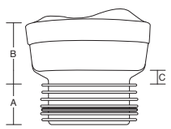
4



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKB2190S	97 – 108	105 – 108	0.32	60	115	80

STRAIGHT

1

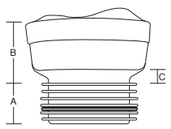


Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKS1	108 – 114	99 – 105	0.16	44	67	15

Known as the No.1 – the plumbers favourite
This connector is for old style pans only – for new pans use an MKS2 (see page 24)

STRAIGHT OLD BS1213 SYPHONIC PANS

1



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKS1A	108 – 114	99 – 105	0.17	40	70	15

18MM OFFSET OLD BS1213 PANS

1

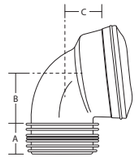
Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MK01	108 – 114	99 – 105	0.17	45	70	25

WC connectors/Old

PIPE: 1: Standard 99-105mm 2: Cast Iron 88-92mm 3: Old 74-77mm 4: Copper 105-108mm

90° TIGHT KNUCKLE BEND OLD BS1213 PANS

1

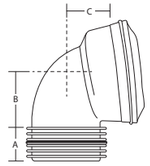


Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKB21	108 – 114	99 – 105	0.24	45	80	80

Includes 40mm compression boss
Must be used in a vertical position if boss is being used

90° TIGHT KNUCKLE BEND OLD BS1213 PANS

1

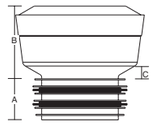


Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKB22	108 – 114	99 – 105	0.24	45	80	75

Ideal when replacing old BS1213 'S' trap pans
Can be cut to suit both horizontally and vertically

STRAIGHT 3½" SOIL

2



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKS3	108 – 114	88 – 92	0.16	41	70	10

40mm vent boss

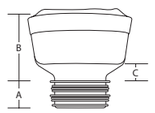
18MM OFFSET OLD BS1213 PANS TO 3½" SOIL

2

Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MK03	108 – 114	88 – 92	0.15	37	78	30

STRAIGHT 3½" SOIL

3

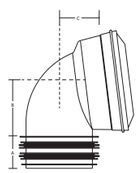


Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKS10	108 – 114	74 – 77	0.16	35	86	12

Adjustable length: remove the fined seal and cut with a fine tooth saw

90° TIGHT KNUCKLE BEND OLD BS1213 PANS TO OVERSIZE SOIL

4



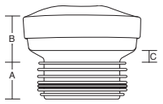
Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKB21S	108 – 114	105 – 108	0.25	45	75	60

WC connectors – Stainless steel / Ancillaries

PIPE: 1: Standard 99-105mm 2: Cast Iron 88-92mm 3: Old 74-77mm 4: Copper 105-108mm

STRAIGHT UNDERSIZE SPIGOTS

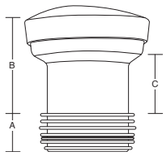
1



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKS5	76 – 95	99 – 105	0.22	45	55	15

EXTENDED STRAIGHT UNDERSIZE SPIGOTS

1

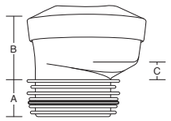


Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKS8	76 – 95	99 – 105	0.26	42	110	70

Extension length: 59mm

18MM OFFSET UNDERSIZE SPIGOTS

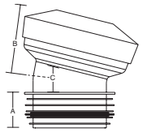
1



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MK05	76 – 95	99 – 105	0.24	45	72	22

14° BEND UNDERSIZE SPIGOTS

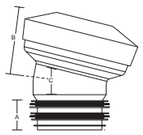
1



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKB514	76 – 95	99 – 105	0.26	42	85	40

14° BEND UNDERSIZE SPIGOTS TO 3½" SOIL

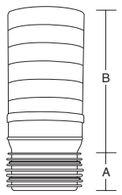
2



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B	C
MKB614	76 – 95	88 – 92	0.25	37	90	40

SOIL PIPE EXTENSION FOR 4" SOIL

1



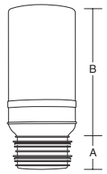
Code	Soil pipe inner diameter (mm)	Weight	A	B
MKEA	99 – 105	0.24	50	202

Can be cut to required length
Ideal when removing 4" cast iron, clay and PVCu

PIPE: 1: Standard 99-105mm 2: Cast Iron 88-92mm 3: Old 74-77mm 4: Copper 105-108mm

SOIL PIPE EXTENSION FOR 3 " SOIL

2

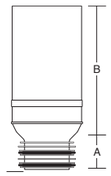


Code	Soil pipe inner diameter (mm)	Weight	A	B
MKEB	88 – 92	0.22	50	202

Can be cut to required length
Ideal when removing 3½" cast iron

SOIL PIPE EXTENSION FOR 3" SOIL

3

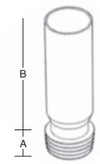


Code	Soil pipe inner diameter (mm)	Weight	A	B
MKEG	74 – 77	0.21	42	210

Can be cut to required length
Ideal when removing 3" cast iron

RIGID SOIL PIPE EXTENSION

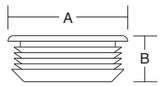
1



Code	Pan spigot outer diameter (mm)	Soil pipe inner diameter (mm)	Weight	A	B
MKREXT	97 – 108	99 – 105	0.23	35	264

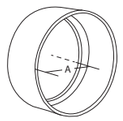
Adjustable length: remove the fined seal and cut with a fine tooth saw

FLUSH PIPE CONNECTOR



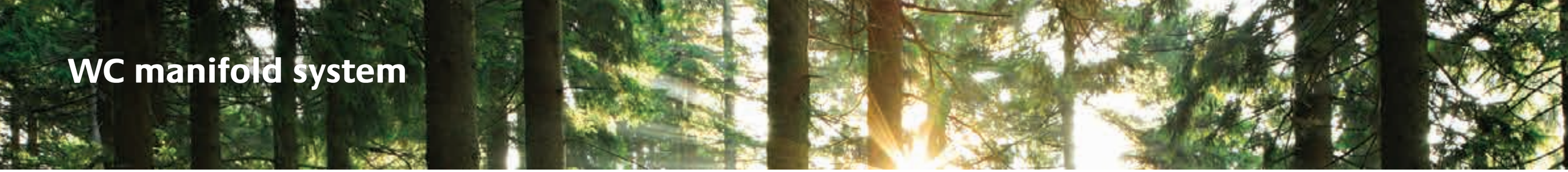
Code	Soil pipe inner diameter (mm)	Weight	A	B
MKFPC1	–	0.02	65	26

MULTILINK



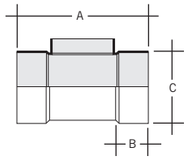
Code	Soil pipe inner diameter (mm)	Weight	A
MKL1	99 – 105	0.04	52.5

For connecting 2 or more pan connectors
Suitable for sleeving the fins of all 99 – 105mm Multikwik outlets



WC manifold system

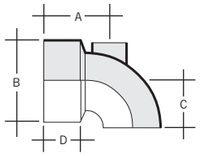
BRANCH



Size mm	Code	A	B	C	Colour	Qty
110x90	**SM41W**	214	50	116	W	10

Solvent sockets

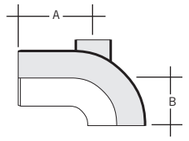
ADJUSTABLE WC BEND



Size mm	Code	Angle	A	B	C	D	Colour	Qty
90	**SM42W***	50-90°	108	134	75	60	W	15

50mm boss upstand
Pan socket to be trimmed to suit WC spigot length

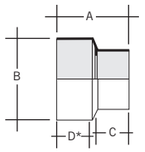
ADJUSTABLE SPIGOT BEND



Size mm	Code	Angle	A	B	Colour	Qty
90	**SM43W**	50-90°	119	75	W	15

50mm boss upstand

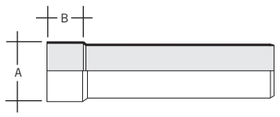
WC CONNECTOR



Size mm	Code	A	B	C	D	Colour	Qty
90	**SM44W***	117	134	46	80	W	30

50mm boss upstand
Pan socket to be trimmed to suit WC spigot length

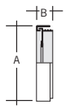
EXTENSION PIPE



Size mm	Code	A	B	Colour	Qty
90	**SM45W**	96	46	W	50

300mm
For use with SM43 only

WC SEAL AND CAP



83-114mm outlet

Size mm	Code	A	B	Colour	Qty
90	**SA323W**	141	24	W	70

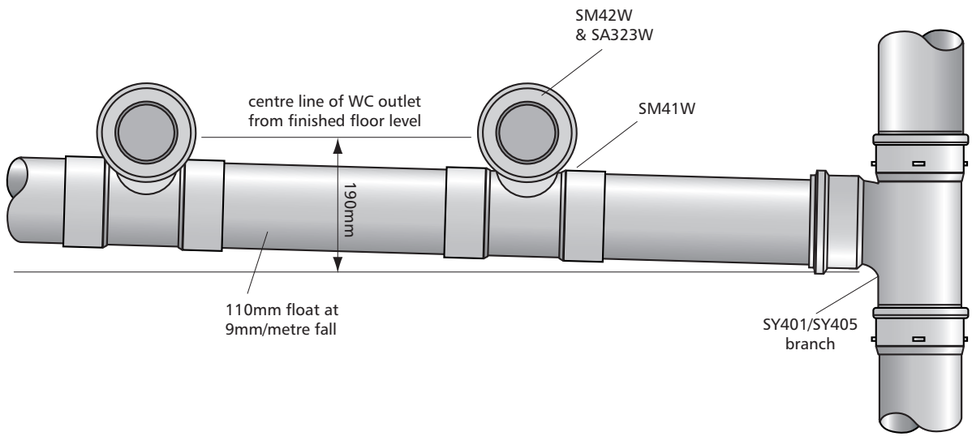
For use with SM42 and SM44

*When fitted to short WC pan spigots, pan socket should be trimmed to suit before SA323W (not supplied) is fitted.

WC manifold systems

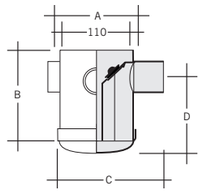
For use in sanitary pipework systems in schools, hospitals, public and commercial buildings, the manifold system allows ranges of toilets to be connected to a horizontal float above floor level and eliminates the need for specially fabricated fittings.

The components are suitable for installation in a duct, or for fitting on the surface of the wall directly behind the pan. Where the manifold is fitted directly behind the range of toilets, the minimum distance between the end of the WC spigot and the face of the wall is 150mm.



PVCu floor outlets

TRAPPED FLOOR GULLIES



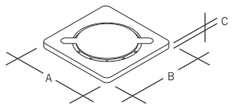
Size mm	Code	A	B	C	D	Colour	Qty
50	**SFG42AS**	117	164	145	116	G	8

Solvent outlet. 90mm adjustable water seal

Size mm	Code	A	B	C	D	Colour	Qty
82	**SFG43AS**	117	164	175	100	G	8

Solvent outlet. 75mm adjustable water seal

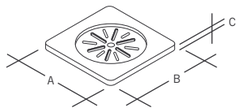
PVC FLOOR TILE



	Code	A	B	C	Colour	Qty
	SGG3	150	150	7	G	10

For use with SFG42AS and SFG43AS only

STAINLESS STEEL TILE GRATE AND COVER



	Code	A	B	C	Colour	Qty
150x150	**SGG4**	150	150	7	NU	40

Grade 304 stainless steel

Ancillary items

VENT TERMINAL

Size mm	Code	A	B	Colour	Qty
50	**RV225**	55	18	W B G	30

SPARE RING SEALS

PK5

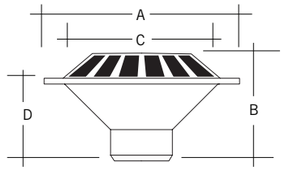
'T' ring

Size mm	Code	Colour	Qty
82	**SR82T**	B	5
110	**SR110T**	B	5
160	**SR160T**	B	5

To BS EN 681/1

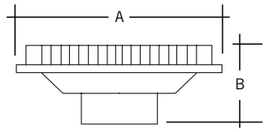
PVCu flat roof outlets

SPIGOT TAIL



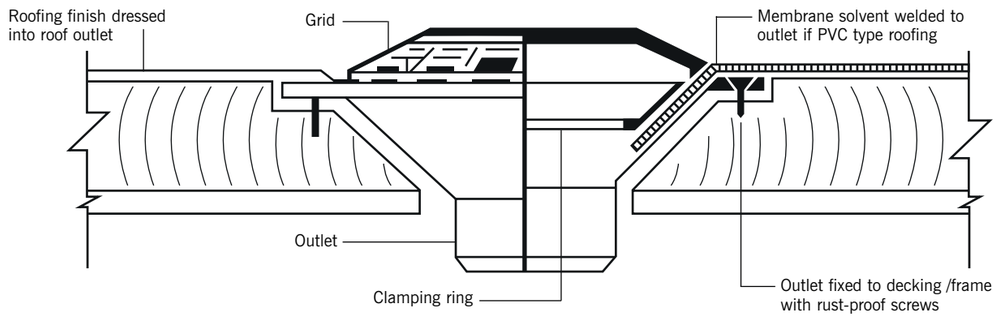
Size mm	Code	A	B	C	D	Colour	Qty
82	**RV637**	280	157	214	130	G	1
110	**RV369**	280	157	214	122	G	1
160	**RV482**	380	170	250	148	G	1

BALCONY - FULL FLAT GRATING, SOLVENT SOCKET TAIL



Size mm	Code	A	B	Colour	Qty
82	**RV195**	355	165	G	1
110	**RV196**	355	140	G	1

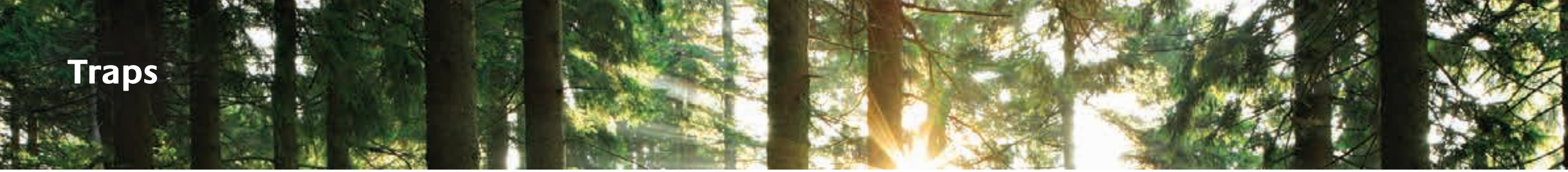
Typical installation detail



NB: It is important to prevent upthrust on the vertical rainwater pipe due to thermal movement from breaking the joint between the outlet and roof finish. Thermal movement can be accommodated by anchoring a push-fit socket with a socket bracket and allowing a 10mm expansion gap between spigot end and socket depth. A maximum of 4m between expansion joints should be allowed for.

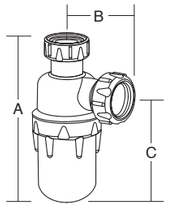
It may be necessary to provide a warning pipe to indicate blockage on internal rainwater systems. For more details refer to BS EN 12056 - 3

Colour Key: G = Grey



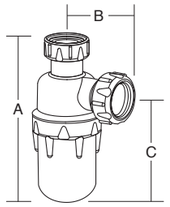
Traps

BOTTLE – STANDARD



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
32	**B032**	White	75	0.15	180 x 74 x 125
40	**B040**	White	75	0.18	184 x 78 x 127

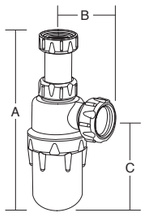
BOTTLE – RESEALING



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
32	**B032R**	White	75	0.16	180 x 74 x 125
40	**B040R**	White	75	0.19	184 x 78 x 127

Resealing function to prevent loss of water seal

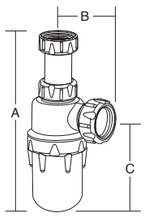
BOTTLE – ADJUSTABLE



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
32	**B032A**	White	75	0.19	195 x 74 x 125
40	**B040A**	White	75	0.22	195 x 78 x 127

Adjustable inlet for installation flexibility
Min height: 195mm; max height: 300mm

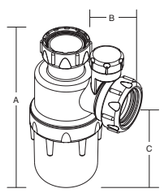
BOTTLE – ADJUSTABLE / RESEALING



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
32	**B032RA**	White	75	0.20	195 x 74 x 125
40	**B040RA**	White	75	0.23	195 x 78 x 127

Adjustable inlet for installation flexibility
Resealing function to prevent loss of water seal
Min height: 195mm; max height: 300mm

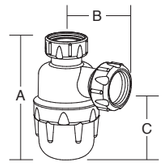
BOTTLE – ANTI-VAC



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
32	**B032V**	White	75	0.16	180 x 74 x 125
40	**B040V**	White	75	0.19	186 x 84 x 125

Resealing function to prevent loss of water seal
Anti-vac allows air into the waste pipes to prevent self-syphonage of the traps water seal and gurgling

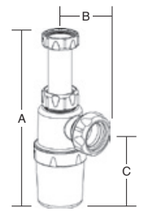
BOTTLE – COMPACT



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
32	**B032S**	White	75	0.12	136 x 75 x 85
40	**B040S**	White	75	0.13	152 x 81 x 100

Use when connecting into flat bottomed appliances that discharge into a gully

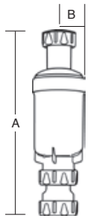
BOTTLE – SLIMLINE



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
32	**BS032**	White	75	0.15	182 x 71 x 112

Space saving
Adjustable inlet for installation flexibility
Minimum height: 195mm; max height 300mm

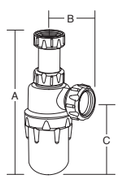
STRAIGHT THROUGH ADJUSTABLE



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
32	**ST032**	White	75	0.24	270 x 33

Unique slim-line design, saving space
Adjustable telescopic outlet for installation flexibility
Easy to clean and maintain

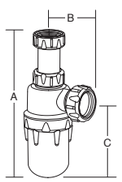
BOTTLE – ADJUSTABLE



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
32	**B032ACR**	Chrome	75	0.45	195 x 74 x 125

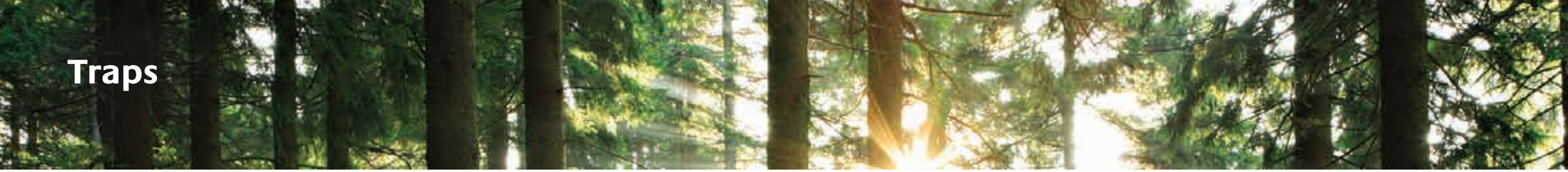
High quality mirror chrome finish
Includes 400mm x 32mm chromed pipe
Adjustable inlet for installation flexibility
Min height: 195mm; max height: 300mm

BOTTLE – ADJUSTABLE / RESEALING



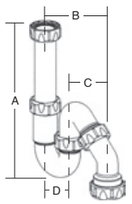
Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
32	**B032RACR**	Chrome	75	0.25	195 x 74 x 125
40	**B040RACR**	Chrome	75	0.29	225 x 80 x 130

Resealing function to prevent loss of water seal
High quality mirror chrome finish
Adjustable inlet for installation flexibility
Min height: 195/225mm; max height: 300/327mm



Traps

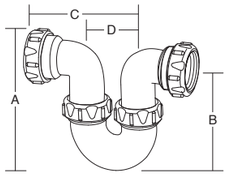
UNIVERSAL ALL IN ONE



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C x D
32	**SP032**	White	75	0.19	267 x 140 x 85 x 55
40	**SP040**	White	75	0.22	285 x 140 x 80 x 65

Adjustable inlet for installation flexibility
Multi position outlet adjusts 360° providing installation flexibility
Use as either an 'S' or 'P' trap

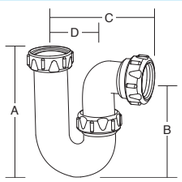
RUNNING



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C x D
32	**RP032**	White	75	0.16	135 x 130 x 115 x 60
40	**RP040**	White	75	0.20	160 x 145 x 130 x 65
50	**RP050X**	White	75	0.25	185 x 165 x 160 x 75

Use to trap a range of appliances

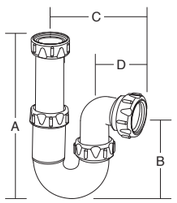
'P' TRAP



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C x D
32	**P032**	White	75	0.11	140 x 125 x 115 x 60
40	**P040**	White	75	0.14	165 x 145 x 130 x 65
50	**P050**	White	75	0.22	190 x 165 x 160 x 75

Use for horizontal pipework

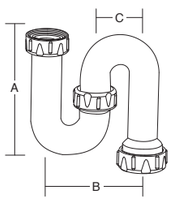
'P' TRAP – ADJUSTABLE



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C x D
32	**P032A**	White	75	0.15	220 x 135 x 115 x 60
40	**P040A**	White	75	0.20	245 x 145 x 130 x 65

Adjustable inlet for installation flexibility
Min height: 220mm; max height: 270mm

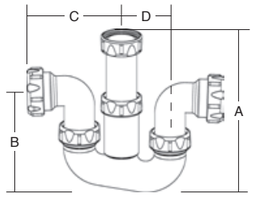
'S' TRAP



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C x D
32	**S032**	White	75	0.14	160 x 110 x 55
40	**S040**	White	75	0.17	160 x 130 x 65

Use for vertical pipework

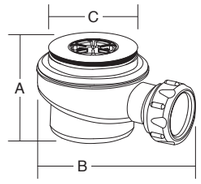
TUBULAR SWIVEL



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C x D
40	**SWM040A**	White	75	0.25	255 x 150 x 127 x 65

Adjustable inlet for installation flexibility
Inlet and outlet swivels to aid easy connection to pipes even in confined spaces

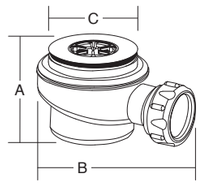
SHOWER – COMPACT



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
40 outlet	**S5040C**	White	50	0.18	92 x 150 x 70

Chrome waste
70mm flange
High flow rate: 0.76 l/s

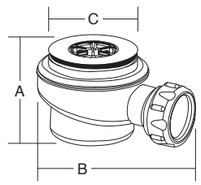
SHOWER – COMPACT



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
40 outlet	**S5040W**	White	50	0.18	92 x 150 x 70

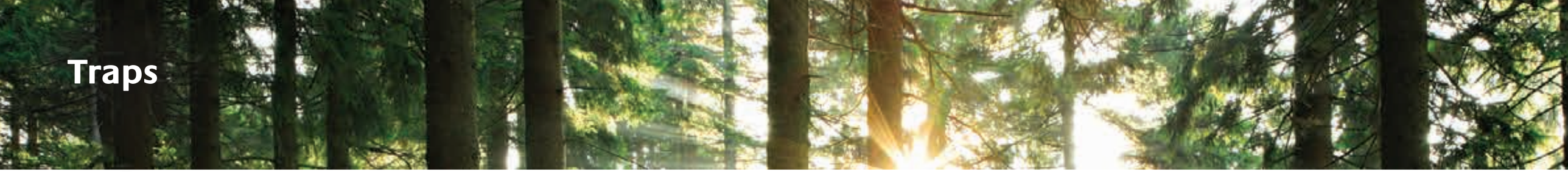
White waste
70mm flange
High flow rate: 0.76 l/s

SHOWER – RESEALING



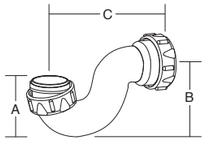
Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
40 outlet	**S5040CR**	White	50	0.18	92 x 150 x 70

Chrome waste
Eliminates self-syphonage and gurgling through resealing device
70mm flange
High flow rate: 0.76 l/s



Traps

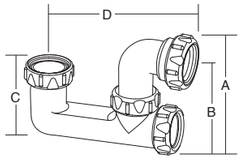
BATH – ONE PIECE



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
40	**P1940**	White	19	0.08	70 x 75 x 145

For low level floors where a deeper water seal trap doesn't fit
For appliances that discharge into a gully

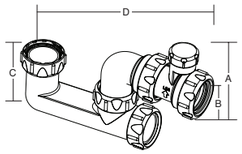
BATH – LOW LEVEL



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C x D
40	**P5040**	White	50	0.15	140 x 110 x 89 x 172

Rodding point for cleaning

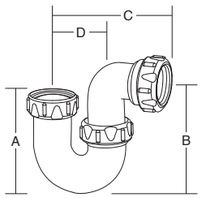
BATH – LOW LEVEL ANTI-VAC



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C x D
40	**P5040V**	White	50	0.21	135 x 105 x 89 x 230

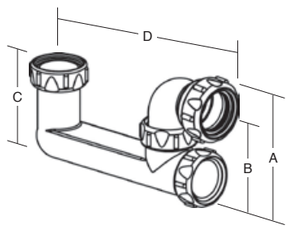
Anti-vac allows air into the waste pipes to prevent self-syphonage of the traps water seal and gurgling
Rodding point for cleaning

BATH – SWIVEL 'P' LOW LEVEL INLET



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C x D
40	**P040L**	White	75	0.13	125 x 150 x 127 x 65

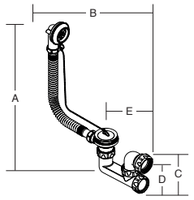
BATH – STANDARD



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C x D
40	**P6040**	White	60	0.17	140 x 110 x 98 x 220

Rodding point for cleaning

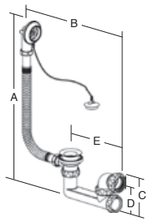
BATH – LOW LEVEL



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C X D X E
40	**P5040F**	White	50	0.37	355 x 325 x 140 x 115 x 175

Flexible overflow pipe for ease of installation
Plug tidy overflow to retain plug when not in use

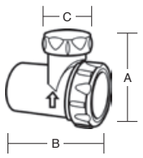
BATH – STANDARD



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C X D X E
40	**P6040F**	White	60	0.39	410 x 375 x 140 x 115 x 220

Flexible overflow pipe for ease of installation
Plug tidy overflow to retain plug when not in use

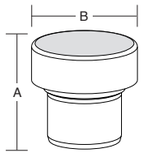
ANTI-VAC GURGLEMASTER



Size (mm)	Code	Colour	Weight	Dimensions (mm) A x B x C
32	**WV032**	White	0.05	80 x 90 x 39
40	**WV040**	White	0.06	90 x 90 x 40

Anti-vac allows air traps into the waste pipe to prevent gurgling and self-syphonage of the traps water seal
Quick installation with simple multi-fit in-line assembly

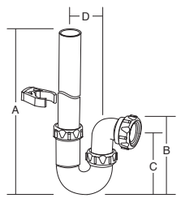
ANTI-SYPHON UNIT



Size (mm)	Code	Colour	Weight	Dimensions (mm) A x B
32	**WW150**	White	0.05	57 x 61
40	**WW151**	White	0.05	60 x 61

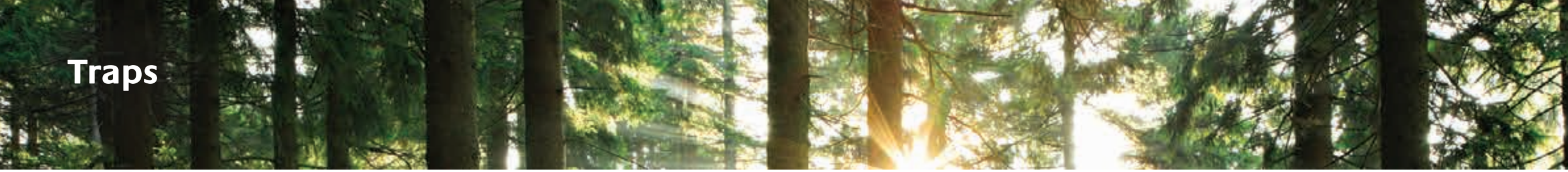
To BS EN 12380
Anti-vac allows air into the waste pipe to prevent gurgling and self-syphonage of the traps water seal
Use with any BS EN 1566/5255 solvent weld sockets

WASHING MACHINE



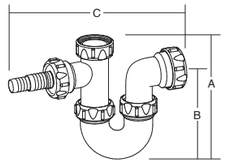
Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C x D
40	**PWM040**	White	75	0.29	560 x 160 x 140 x 65

Includes 500mm standpipe, retaining clips, screws and raw plugs



Traps

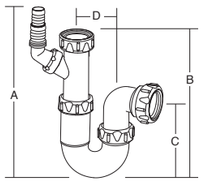
UTILITY 'P' COMPACT – SINGLE NOZZLE



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
40	**PWM040T**	White	75	0.21	190 x 145 x 270

Nozzle for connecting a washing machine or dishwasher

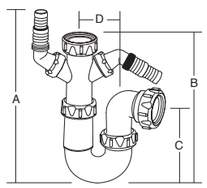
ADJUSTABLE UTILITY 'P' – SINGLE NOZZLE



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C x D
40	**PWM040S**	White	75	0.20	250 x 215 x 145 x 65

Adjustable inlet for installation flexibility
For connecting a washing machine or dishwasher
Non-return valve to prevent backflow in nozzle
Min height: 250mm; max height: 310mm

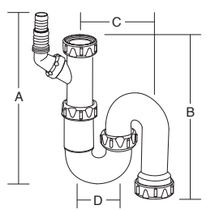
ADJUSTABLE UTILITY 'P' – DOUBLE NOZZLE



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C x D
40	**PWM040D**	White	75	0.23	250 x 215 x 145 x 65

Adjustable inlet for installation flexibility
For connecting two appliances
Non-return valve to prevent backflow in nozzle
Min height: 250mm; max height: 310mm

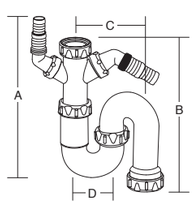
ADJUSTABLE UTILITY 'S' – SINGLE NOZZLE



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C x D
40	**SWM040S**	White	75	0.24	250 x 217 x 125 x 65

Adjustable inlet for installation flexibility
For connecting a washing machine or a dishwasher
Non-return valve to prevent backflow in nozzle
Min height: 250mm; max height: 310mm

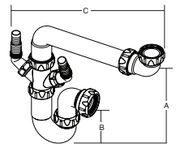
ADJUSTABLE UTILITY 'S' – DOUBLE NOZZLE



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C x D
40	**SWM040D**	White	75	0.26	250 x 220 x 125 x 65

Adjustable inlet for installation flexibility
For connecting a washing machine and dishwasher
Non-return valve to prevent backflow in nozzle
Min height: 250mm; max height: 330mm

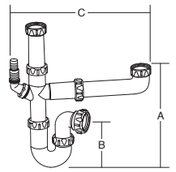
SPACE SAVER KIT



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
40	**SBK040D**	White	75	0.34	330 x 145 x 375

Single bowl, double nozzle
Flexible installation with full width and height adjustment

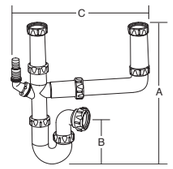
1½ BOWL KIT – SINGLE NOZZLE



Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x CX D X E
40	**XSB040S**	White	75	0.36	410 x 140 x 395

Flexible installation with full width and height adjustment

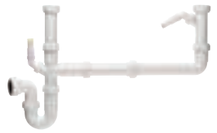
DOUBLE BOWL KIT – SINGLE NOZZLE

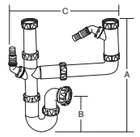


Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
40	**DBK040S**	White	75	0.42	410 x 140 x 395

Flexible installation with full width and height adjustment

EXTENDED DOUBLE BOWL KIT – DOUBLE NOZZLE

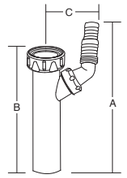




Size (mm)	Code	Colour	Water Seal Depth (mm)	Weight	Dimensions (mm) A x B x C
40	**DBKDS040**	White	75	0.49	410 x 140 x 610

Flexible installation with full width and height adjustment

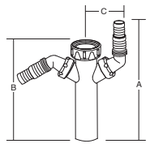
TRAP HEIGHT ADJUSTER – SINGLE NOZZLE



Size (mm)	Code	Colour	Weight	Dimensions (mm) A x B x C
40	**WA040S**	White	0.07	195 x 150 x 70

For connections to a washing machine or dishwasher
Non-return valve prevents backflow in nozzle

TRAP HEIGHT ADJUSTER – DOUBLE NOZZLE

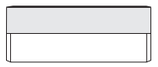


Size (mm)	Code	Colour	Weight	Dimensions (mm) A x B x C
40	**WA040D**	White	0.10	195 x 150 x 78

For connections to a washing machine or dishwasher
Non-return valve prevents backflow in nozzle

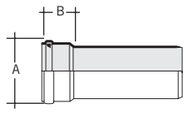
Solid wall drainage systems

PIPE



Size mm	Code	Length	Colour	Qty
82	**UL3057**	5.7m	O	156*
110	**UL403**	3m	O	100
110	**UL406**	6m	O	100
160	**UL606**	6m	O	46

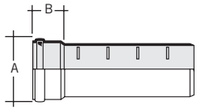
Double spigot with chamfer each end



Size mm	Code	Length	A	B	Colour	Qty
82	**UP3057**	5.7m	100	76	O	156*
110	**UP403**	3m	128	70	O	100
160	**UP603**	3m	182	107	O	46
110	**UP406**	6m	128	70	O	100
160	**UP606**	6m	182	107	O	46

Push fit socket

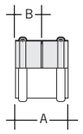
SLOTTED PIPE



Size mm	Code	Length	A	B	Colour	Qty
110	**UPP406**	6m	128	70	O	1

Push fit socket

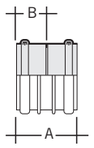
STRAIGHT COUPLINGS



Push fit polypropylene coupling

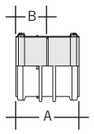
Size mm	Code	A	B	Colour	Qty
110	**UE407**	102	50	O	20

(Supplied in U.V. resistant polythene bags)



Push fit coupling

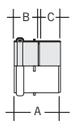
Size mm	Code	A	B	Colour	Qty
110	**UE406**	128	61	O	8
160	**UME15C**	170	83	O	4



Push fit slip coupling

Size mm	Code	A	Colour	Qty
82	**UE305**	104	O	100*
110	**UE405**	128	O	8
160	**UME16C**	170	O	4

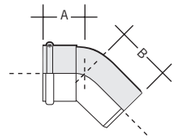
STRAIGHT COUPLING



Loose pipe socket

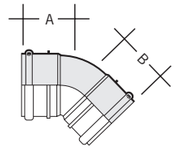
Size mm	Code	Length	A	B	Colour	Qty
110	**UE400**	109m	61	48	O	8
160	**UE600**	190m	107	77	O	4

SHORT RADIUS BENDS



Size mm	Code	Angle	A	B	Colour	Qty
82	**UB31**	90°	117	120	O	100*
110	**UB41**	87½°	175	182	O	4
160	**UFB61**	87½°	236	232	O	1
82	**UB35**	45°	75	73	O	100*
110	**UB45**	45°	145	125	O	4
160	**UFB65**	45°	130	118	O	1
110	**UB430R**	30°	89	82	O	4
160	**UB69**	30°	160	150	O	1
110	**UB420**	20°	102	81	O	1
160	**UB68**	15°	150	110	O	1
110	**UB410**	10°	98	75	O	1

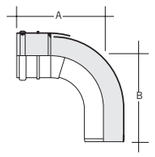
Push-fit socket/spigot



Size mm	Code	Angle	A	B	Colour	Qty
110	**UB411**	87½°	158	158	O	4
160	**UMB19C**	87½°	200	200	O	1
110	**UB455**	45°	95	95	O	4
160	**UMB14C**	45°	115	115	O	1
110	**UB4300R**	30°	80	80	O	4
160	**UMB13C**	30°	105	105	O	1
110	**UB4200**	20°	102	81	O	1
160	**UMB11C**	15°	95	95	O	1
110	**UB4100**	10°	98	76	O	1

Double push-fit socket

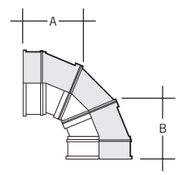
ADJUSTABLE BENDS



Size mm	Code	Angle	A	B	Colour	Qty
110	**UB47**	21 – 90°	210	205	O	4
160	**UB67**	15 – 90°	285	275	O	2

Socket should be solvent welded

MULTIFLEX BENDS



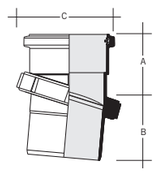
Size mm	Code	Angle	A	B	Colour	Qty
110	**USB110**	0 – 90°	205	205	O	1

Single socket

Size mm	Code	Angle	A	B	Colour	Qty
110	**UDSB110**	0 – 90°	205	205	O	1

Double socket

MECHANICAL BEND

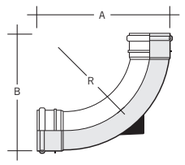


Size mm	Code	Angle	A	B	Colour	Qty
110	**UB47M**	5 – 30°	200	177	O	1

Key: O Orange B Black British Board of Agrément certified product Kitemark certified product
CAD drawing available for download from marleypd.co.uk * Denotes minimum order quantity

Solid wall drainage systems

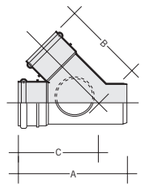
LONG RADIUS BEND



Size mm	Code	Angle	A	B	R	Colour	Qty
110	**UBL488**	87½°	310	360	270	O	4

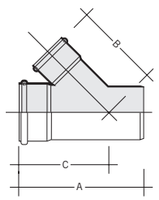
Socket/socket

EQUAL BRANCHES



Size mm	Code	Angle	A	B	C	Colour	Qty
110	**UY401**	87½°	300	150		O	4
160	**UY601**	87½°	400	200		O	2
82	**UY36**	45°	231	155	155	O	100*
110	**UY46**	45°	320	205	205	O	4
160	**UY63**	45°	400	280	280	O	2

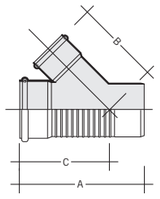
Socket/spigot



Size mm	Code	Angle	A	B	C	Colour	Qty
110	**UY400**	87½°	300	150		O	4
160	**UMY13C**	87½°	400	200		O	2
110	**UY466**	45°	325	215	200	O	4
160	**UMY11C**	45°	400	280	280	O	2

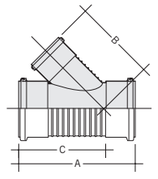
All socket

UNEQUAL BRANCHES



Size mm	Code	Angle	A	B	C	Colour	Qty
160 x 110	**UY64**	87½°	340	180	126	O	2
160 x 110	**UY66**	45°	357	245	254	O	2

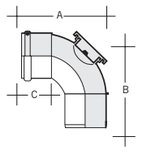
Socket/spigot



Size mm	Code	Angle	A	B	C	Colour	Qty
160 x 110	**UMY12C**	87½°	340	180	252	O	2
160 x 110	**UMY10C**	45°	316	232	236	O	2

All socket

ACCESS BEND

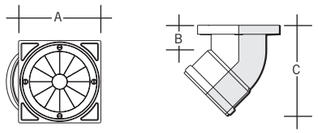


Size mm	Code	Angle	A	B	C	Colour	Qty
110	**UB42**	87½°	172	174	80	O	4

With rear access, socket/spigot
Fitted with a twist and lock access cap which can be secured with a No. 8 screw

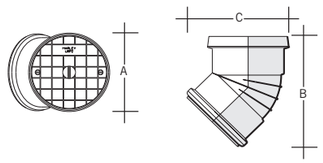
Inspection chambers

RODDING POINT



Size mm	Code	Angle	A	B	C	Colour	Qty
110	**URP1**	45°	164	68	70	O	10

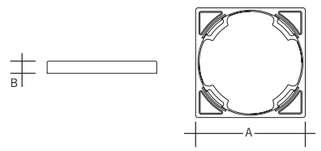
A15 loading. Black cover with four screw fixings and seal



Size mm	Code	Angle	A	B	C	Colour	Qty
160	**URP2C**	45°	190	92	89	O	4

A15 loading. Aluminium cover with two screw fixings

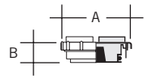
SQUARE RODDING POINT COVER (SPARE)



Size mm	Code	A	B	Colour	Qty
110	**URPFSQ**	163	18	B	10

For use with URP1

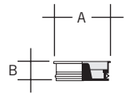
ACCESS CAP



Size mm	Code	A	B	Colour	Qty
110	**UE42**	130	30	O	50
160	**UE62**	195	40	O	15

Solvent socket

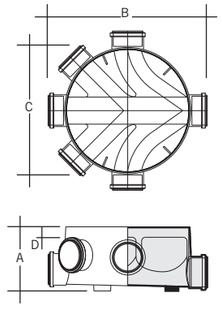
PRESSURE PLUG



Size mm	Code	A	B	Colour	Qty
110	**UE43**	110	30	O	135
160	**UE64**	160	30	O	30

Push fits into plain end of pipe

450MM INSPECTION CHAMBER BASES



Size mm	Code	A	B	C	D	Colour	Qty
110	**UCC3**	245	608	608	50	B	1

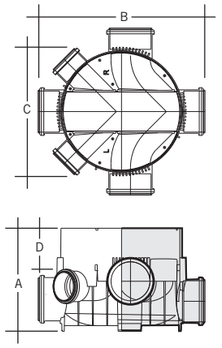
Supplied with 4 blanking plugs. Max invert depth 1.2m (when used with UCR2 riser). 245mm high. All 110mm connections.

The 'D' dimension relates to the height of side branches above invert of main channel

Key: O Orange B Black G Grey British Board of Agrément certified product Kitemark certified product
CAD drawing available for download from marleypd.co.uk * Denotes minimum order quantity

Inspection chambers

450MM INSPECTION CHAMBER BASES



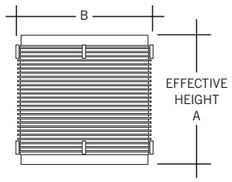
Size mm	Code	A	B	C	D	Colour	Qty
110/160	**UCC5**	80	75	490	192	B	1

The A and B dimensions relate to the height of side branches above invert level of main channel.

Max invert depth 4m (when used with UCR3 riser)

All socket connections. 400mm high, 110 and 160mm, connections.

CHAMBER RISER

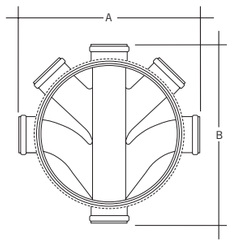


Size mm	Code	A	B	Colour	Qty
450	**UCR2**	390	450	B	1

Push fit ring seal joint into chamber base. 430mm high, includes one 450mm seal.

For use with UCC3/5 for invert depths up to 1.2m

DEEP INSPECTION CHAMBER



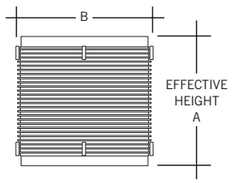
Size mm	Code	A	B	Colour	Qty
110	**UCC3D**	608	608	B	1

Max invert depth 4m (when used with UCR3 riser)

All socket connections.

655mm high

DEEP INSPECTION CHAMBER RISER



Size mm	Code	A	B	Colour	Qty
450	**UCR3**	410	488	B	1

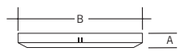
For use with UCC3D or UCC5 when invert depth is greater than 1.2m.

Max invert depth 4m

480mm high

Includes one 450mm seal

REDUCED ACCESS RING

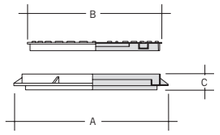


Size mm	Code	A	B	Colour	Qty
450	**UCLRR**	60	455	B	1

Provides 350mm restricted opening. Snap lock connection to the frame of the UCL35PP and UCL35SQ.

For use with UCL35PP

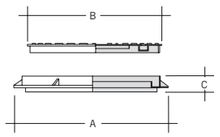
CAST IRON COVER AND FRAME



Size mm	Code	A	B	C	Colour	Qty
450	**UCL35**	517	490	40	B	1

3.5 tonnes. Domestic driveway loading

POLYPROPYLENE COVER AND FRAME



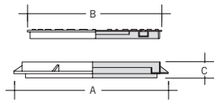
Size mm	Code	A	B	C	Colour	Qty
450	**UCL35PP**	547	494	70	B	1

3.5 tonnes. Domestic driveway loading

Size mm	Code	A	B	C	Colour	Qty
450	**UCL35SQ**	547	494	70	B	1

3.5 tonnes. Domestic driveway loading

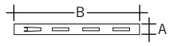
DUCTILE IRON LID AND CAST IRON FRAME



Size mm	Code	A	B	C	Colour	Qty
450	**UCL125**	547	492	48	B	1

12.5 tonnes

CHAMBER RISER CLIP

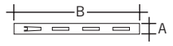


PK10

	Code	A	B	Qty
	UCC10	19	200	10

For use with UCR2 riser

DEEP INSPECTION CHAMBER RISER CLIP



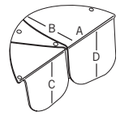
PK10

	Code	A	B	Qty
	UCC10D	19	204	10

For use with UCR3 riser.

Zintec coated, supplied in packet of 10.
Used to connect chamber to riser and riser to riser.

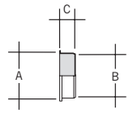
INSPECTION CHAMBER INSERTS



	Code	A	B	C	D	Colour	Qty
Left hand	**UCB1**	425	159	171	167	B	1
Right hand	**UCB2**	425	159	167	171	B	1

For use with the UCC5 inspection chamber

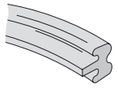
SPARE BLANKING PLUG



Size mm	Code	A	B	C	Colour	Qty
110	**UCP1**	117	110	40	B	70
160	**UCP2**	165	160	60	B	1

Black polypropylene
For use with UCC3/5

SPARE RING SEAL



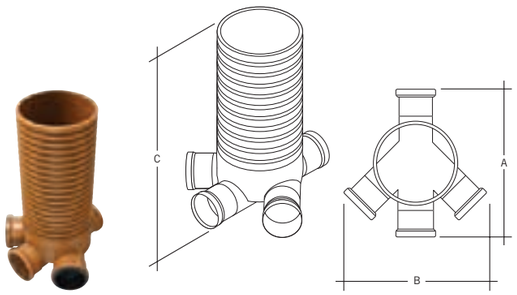
Size mm	Code	Colour	Qty
450	**SR450**	B	1

For use with UCR2/3

Key: O Orange B Black British Board of Agrément certified product Kitemark certified product
CAD drawing available for download from marleypd.co.uk

Inspection chambers

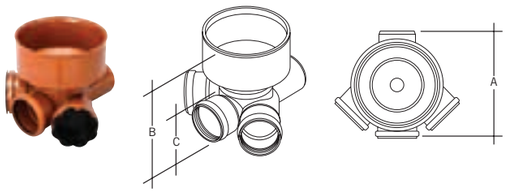
LEVEL INVERT INSPECTION CHAMBER



Size mm	Code	A	B	C	Colour	Qty
250	**UCC7**	380	420	600	O	1

Maximum invert depth – 600mm
All 110mm socket connections

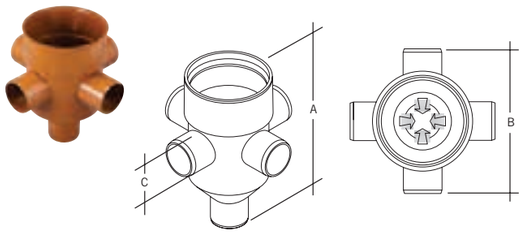
DOUBLE BRANCH CHAMBER BASE



Size mm	Code	A	B	C	Colour	Qty
250	**UAC44**	344	275	170	O	1

45° equal connections
Includes two socket plugs and profiled insert
Maximum invert depth – 600mm

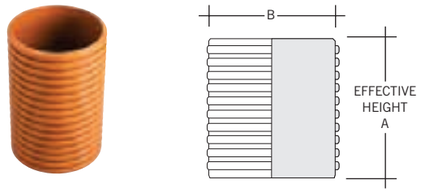
BOTTOM OUTLET CHAMBER BODY



Size mm	Code	A	B	C	Colour	Qty
250	**UAC02**	428	415	120	O	1

Maximum invert depth to side connections – 600mm
90° equal connections
4 x 110mm upstands, 3 open connections

CHAMBER RISER



Size mm	Code	A	B	Colour	Qty
250	**UAR1**	375	250	O	1

For use with UAC44 & UAC02.
Includes 250mm seal.

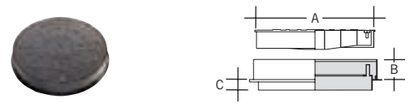
LIFTING HANDLE

Size mm	Code	Length	A	Colour	Qty
40	**KP204W**	4	40	W	10

For use with UAC44

Solid wall drainage systems

INSPECTION CHAMBER LID & FRAME



Size mm	Code	A	B	C	Colour	Qty
250	**UCL2**	280	50	20	B	1

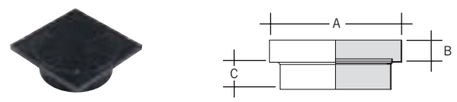
PVCu (A15 loading)

SPARE RING SEAL

Size mm	Code	Colour	Qty
250	**SR250**	B	1

Optional for UCL2 PVCu lid

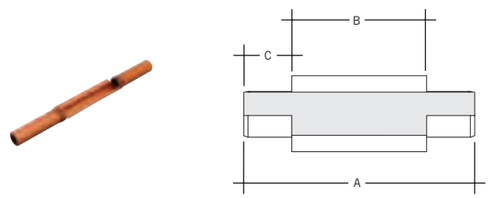
SQUARE LID & FRAME



Size mm	Code	A	B	C	Colour	Qty
250	**UCL3**	318	20	78	B	1

A15 loading

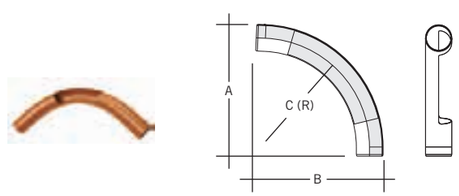
STRAIGHT DOUBLE SPIGOT OPEN CHANNEL



Size mm	Code	A	B	C	Colour	Qty
110	**UCC4**	1500	610	445	O	1

Double spigot, keyed for sand/cement benching
1.5m long, with 600mm opening

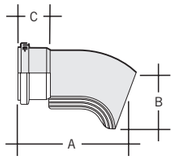
LONG RADIUS OPEN CHANNEL BEND



Size mm	Code	Angle	A	B	C	Colour	Qty
110	**UCB48L**	87½°	310	360	270	O	1

Double spigot, keyed for sand/cement benching

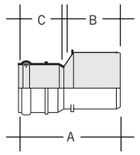
SLIPPER BENDS



Size mm	Code	A	B	C	Colour	Qty
Left hand						1
110	**USB41**	230	120	65	O	1
Right hand						1
110	**USB42**	230	120	65	O	1

Push-fit socket, keyed for sand/cement benching.
Bend may be trimmed to adjust the angle of entry to the manhole.

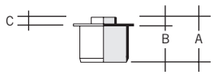
LEVEL INVERT REDUCERS



Size mm	Code	A	B	C	Colour	Qty
110 – 82	**URM304**	135	67	54	O	4
160 – 110	**URM604**	219	90	82	O	4

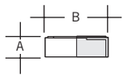
Spigot/socket

CONCENTRIC REDUCERS



Size mm	Code	A	B	C	Colour	Qty
110 – 50	**SE41**	103	80	19	B G	1

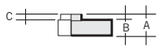
Spigot to boss upstand



Size mm	Code	A	B	Colour	Qty
110	**UA42**	31	104	B	100

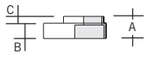
110 x 68/65mm

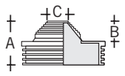
ECCENTRIC REDUCERS



Size mm	Code	A	B	C	Colour	Qty
82 – 50	**SRM30**	70	48	19	B G	90
110 – 50	**SRM402**	48	25	19	B G	10

Solvent socket to boss upstand

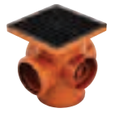


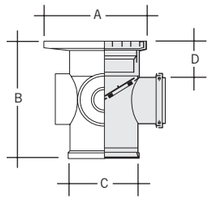


Size mm	Code	A	B	C	Colour	Qty
110 – 68	**URM425**	40	25	12	O	10
110	**UA43**	58	25	34	B	1

URM425 Solvent socket to 68mm downpipe
UA43 Universal waste to 110mm drain

BOTTLE GULLY





Size mm	Code	A	B	C	D	Colour	Qty
110	**UG50**	237	277	152	95	O	1

A15 loading
Push fit socket outlet, three 110mm solvent weld inlets with 50mm boss upstands and rodding access

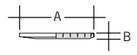
Bottle gully with back inlet plugged

Size mm	Code	A	B	C	D	Colour	Qty
110	**UG50D**	237	277	152	95	O	1

A15 loading

Key: O Orange B Black W White British Board of Agrément certified product Kitemark certified product
CAD drawing available for download from marleypd.co.uk

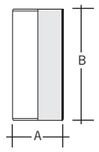
SPARE BOTTLE GULLY GRID



Size mm	Code	A	B	Colour	Qty
Sealed lid	**UG51**	228	23	B	1
Sealed lid	**UG51SA**	228	45	B	1

For use with UG50 bottle gully

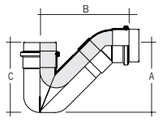
BOTTLE GULLY RAISING PIECE



Size mm	Code	A	B	Colour	Qty
160	**UG52**	160	352	O	1

For use with bottle gully UG50 to adjust invert level of trap outlet

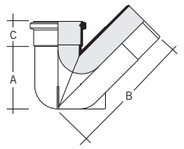
'P' TRAP GULLY



Size mm	Code	A	B	C	Colour	Qty
110	**UG42**	230	306	211	O	1

Push-fit socket inlet, 87½° socket outlet

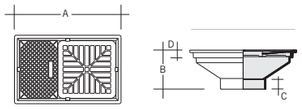
GULLY TRAP BASE



Size mm	Code	A	B	C	Colour	Qty
110	**UG44**	170	294	28	O	4

Solvent socket inlet, 45° spigot outlet

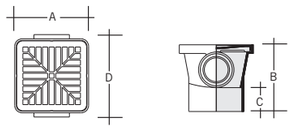
RECTANGULAR HOPPER



Size mm	Code	A	B	C	Colour	Qty
110	**UG47**	232	142	50	O	4

Solvent socket, accepts 68mm downpipe inside larger boss with two 50mm boss upstands
Grating meets requirements of BS 4660: 2000 load Class K3

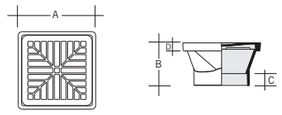
SQUARE HOPPER



Size mm	Code	A	B	C	Colour	Qty
110	**UG48**	160	142	50	O	4

Solvent socket, accepts 68mm downpipe inside larger boss with two 50mm boss upstands
Grating meets requirements of BS 4660: 2000 load Class K3

GRATING ASSEMBLY



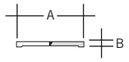
Size mm	Code	A	B	C	D	Colour	Qty
110	**UG45**	165	91	25	17	O	30

Solvent socket
Grating meets requirements of BS 4660: 2000 load Class K3

Key: O Orange B Black W White British Board of Agrément certified product Kitemark certified product
CAD drawing available for download from marleypd.co.uk

Gullies

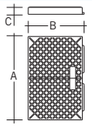
SPARE GULLY GRID



Size mm	Code	A	B	Colour	Qty
110	**UG46**	148	12	B	20

For use with UG40 gully and UG45, UG47 & UG48 gully hoppers

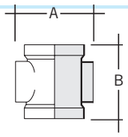
SPARE GULLY BACK PLATE



Size mm	Code	A	B	C	Colour	Qty
110	**UG49**	150	80	16	B	20

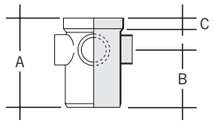
For use with UG40 gully and UG47 gully hoppers

INLET RAISING PIECES



Size mm	Code	A	B	Colour	Qty
110	**UWS43**	148	156	O	4

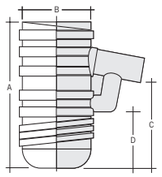
2 x 82mm upstands



Size mm	Code	A	B	C	Colour	Qty
110	**UW401**	181	125	20	O	4

Solvent socket/spigot, four 50mm boss upstands, one open

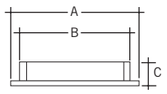
YARD GULLY



Size mm	Code	A	B	C	D	Colour	Qty
110	**UYG40**	634	315	392	238	B	1

Black high density polyethylene with spigot outlet and removable rodding access plug

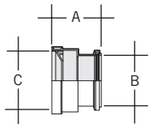
GRATING AND FRAME FOR YARD GULLY



Size mm	Code	A	B	C	Colour	Qty
400	**UYG42**	400	320	75	B	1

Cast iron with hinged grating
B125 loading (12.5 tonne test load) suitable for car park areas

ADAPTORS



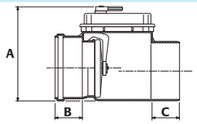
Size mm	Code	A	B	C	Colour	Qty
110	**UCA40**	120	110	130	B	1

Socket/socket to suit thin wall clayware spigot pipe

Size mm	Code	A	B	C	Colour	Qty
110	**UCA41**	120	110	138	B	1

Socket/socket to suit thick wall clayware pipe

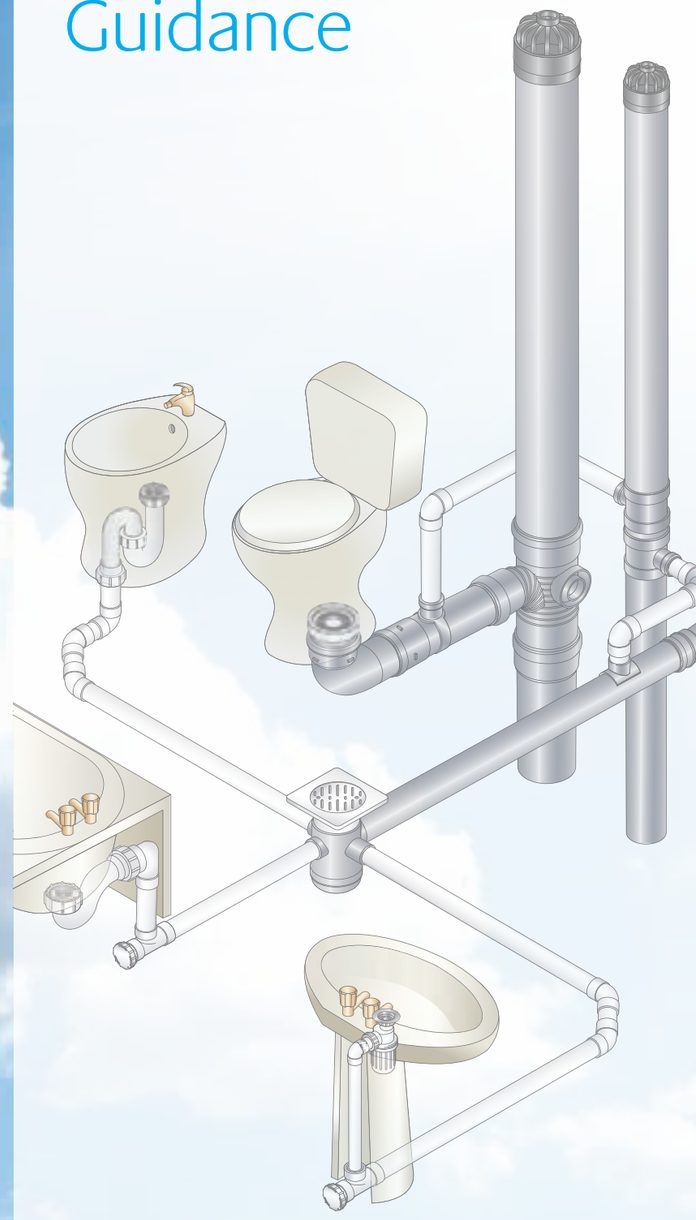
ANTI-FLOOD VALVE



Size mm	Code	A	B	C	Colour	Qty
110	**USW130**	175	52	69	B	1
160	**USW140**	225	100	92	B	1

Double flap

Installation Guidance



Ventilation of soil stacks

Fundamentally, an efficient drainage system design is about managing the mix of air and water. More precisely, it is about managing the air pressure regime within the boundaries that maintain a water seal in the trap. Marley offer 3 different product solutions to manage this.

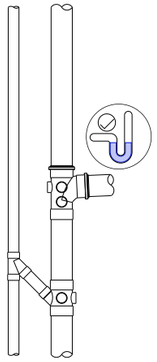
1. Secondary Ventilation

Traditional drainage design incorporates the installation of a secondary ventilation stack and branch pipework system alongside the main soil and waste stacks to ensure this air pressure is maintained.

Soil stack capacity

The capacity of a soil stack can be increased by the installation of a secondary ventilated stack. The following information is taken from tables 11 & 12 of BS EN 12056-2: 2000 which illustrates this increase.

	Stack size (mm)	Secondary vent (mm)	Maximum capacity (l/s) Swept entries
Primary ventilated stack	82	–	2.6
	110	–	5.2
	160	–	12.4
Secondary ventilated stack	82	50	3.4
	110	50	7.3
	160	80	18.3



2. Single Stack System with Stack-Aerator

An alternative to secondary ventilation in high-rise applications is the use of a stack-aerator.

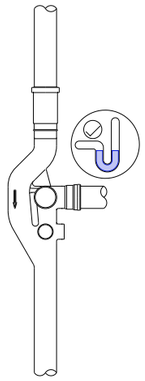
A stack-aerator fitting breaks the discharge fall on each floor and as a consequence the secondary vent pipe is not required as the pressure difference stays well within the limit of 3 mbar.

The unique shape of the stack-aerator increases the capacity of the stack allowing the soil and waste flow from the higher floors to smoothly converge with the flow on the lower floor.

Stack-aerator capacity

Maximum drainage flow for the stack-aerator is illustrated below.

Stack size (mm)	Maximum capacity (l/s)
110	7.6
160	13.5



3. Active Drainage Ventilation

An active ventilated system provides relief at the Point Of Need (PON) by removing or attenuating an incoming pressure transient that, if left, could lead to trap seal depletion.

The single stack solution with the Studor P.A.P.A. and AAVs is ideal for high-rise applications, eliminating the need for roof penetrations.

The combination of the P.A.P.A., Maxi-Vent and Mini-Vent air admittance valves support a complete system to limit pressure fluctuations, guaranteeing the integrity of the traps.

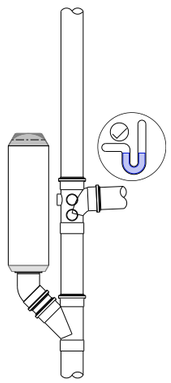
Benefits of single stack with P.A.P.A system:

- Provides effective protection against positive/negative pressures in the drainage system
- Scientifically proven and tested for total peace of mind
- Reduces installed service space, slab & roof penetrations and passive fire protection measures

P.A.P.A. capacity

Maximum drainage flow for P.A.P.A. is illustrated below:

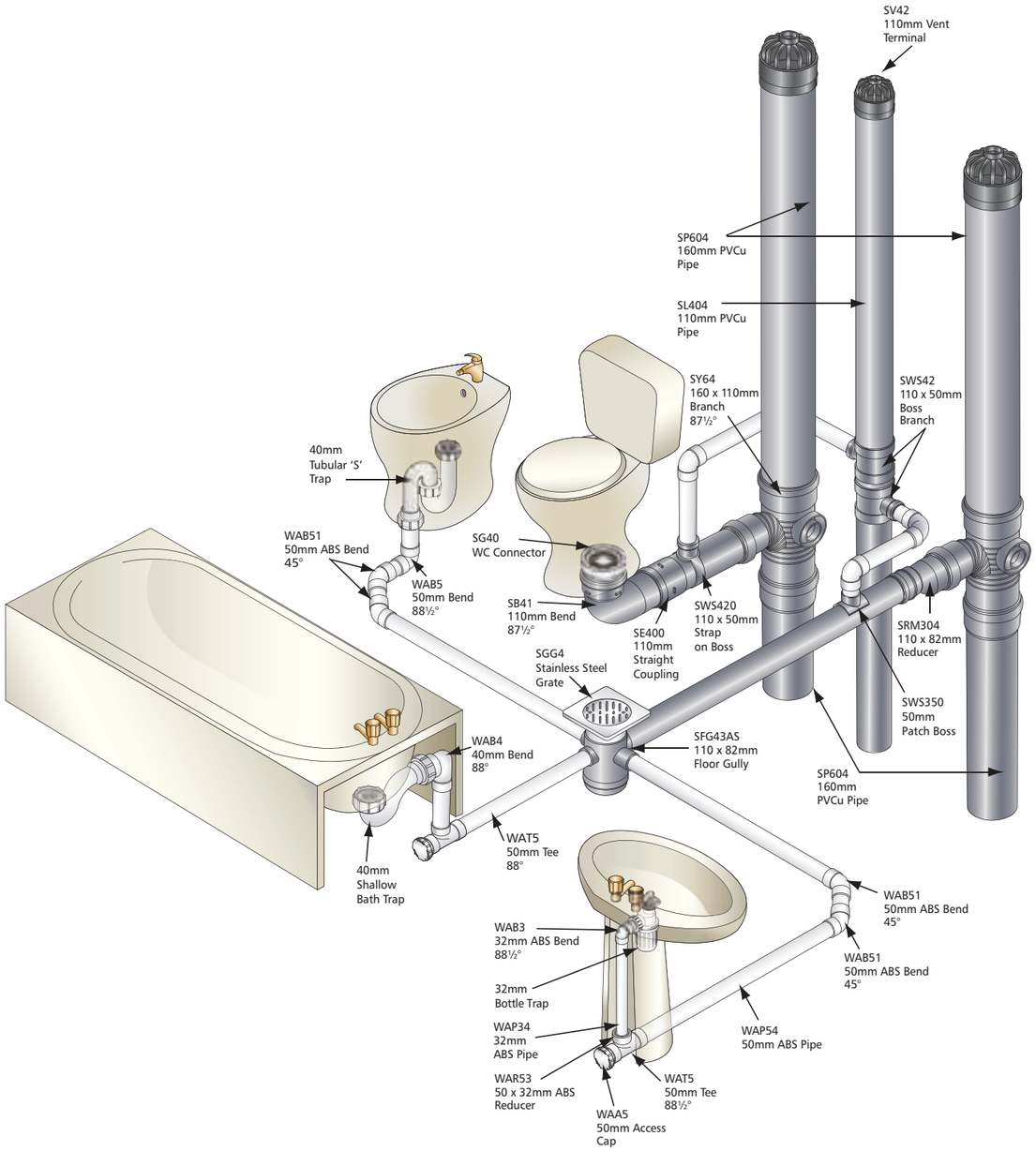
Stack size (mm)	Maximum capacity (l/s)
110	7.3
160	18.3



Typical Middle East soil & waste layout

Shown below is a typical bathroom installation using Marley Plumbing & Drainage products. The installation consists of a separate soil and waste stack, which may not be required in all applications where one stack will suffice.

This diagram shows a range of ways of connecting waste to a soil stack and the typical connections to appliances.



Soil and waste systems

Jointing

Soil systems are ring seal jointed. It is important that the pipe is fully pushed into the socket, except when allowing for thermal movement (see below). Waste systems are solvent weld jointed, using expansion couplings where necessary.

ring seal joint

Sizing of soil stacks

It is recommended that the guidance given within BS EN 12056, part 3 be adopted when sizing soil stacks. Marley Plumbing & Drainage offer a range of soil and waste pipework in sizes up to 160mm which generally covers all the requirements of high rise buildings commonly constructed in the Gulf region. For further details about methods of soil stack sizing contact your local sales representative.

Pipe support

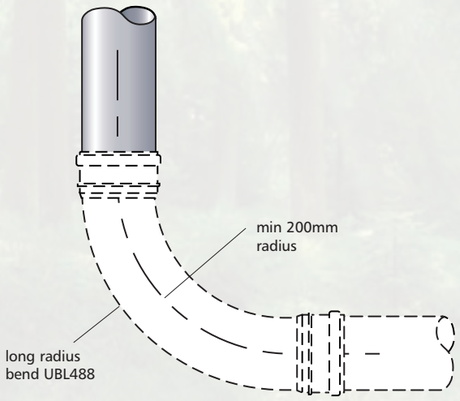
Plastic coated metal socket clips, SC41 are designed to fit ring seal sockets and act as an anchor bracket. PVCu brackets are used as an intermediate support, SC45.

The table below indicates the maximum recommended support centres:

Pipe material	BS Nominal pipe size	Horizontal support (m)	Vertical support (m)
PVCu Polypropylene	21.5	0.50	1.20
	32	0.50	1.20
	40	0.50	1.20
PVCu ABS	32	0.50	1.20
	40	0.50	1.20
	50	0.60	1.20
PVCu	82	1.00	2.00
	110	1.00	2.00
	160	1.20	2.00

barrel pipe clip SC45

socket pipe clip SC41



Bends at the base of soil stacks

Bends at the base of vertical stacks should be of long radius and have a minimum centre line radius of 200mm on a 110mm nominal size stack. Two 45° bends may also be used as an alternative to provide the change of direction and connection to the building drain. The same design principle should also be adopted where offsets occur in stacks of one or more storey height.

Thermal movement

A 3m length of PVCu pipe will increase in length by approximately 3.6mm when subjected to a 20°C temperature variation. Therefore it is important to ensure that any movement is controlled and ring seal joints are installed to accommodate any expansion. Fig 1.

Waste systems should include an expansion coupling where pipe length exceeds 1.8m or between fixed points. Fig 2.

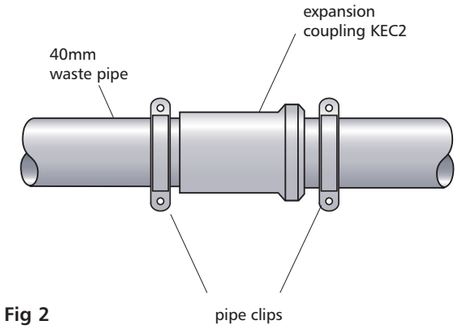
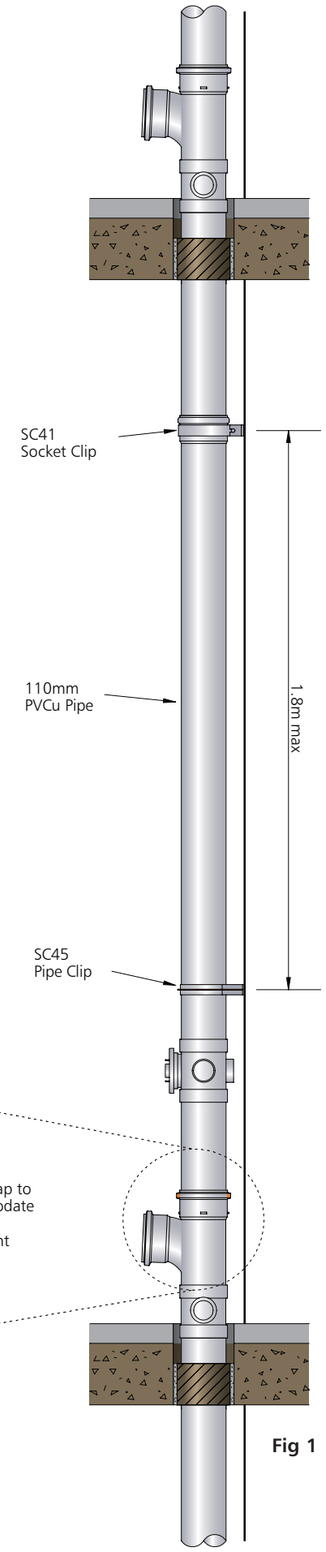


Fig 2



Typical floor detail showing installation method to accommodate for thermal movement at each floor level

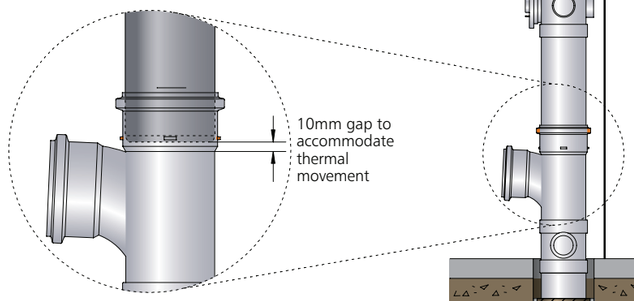
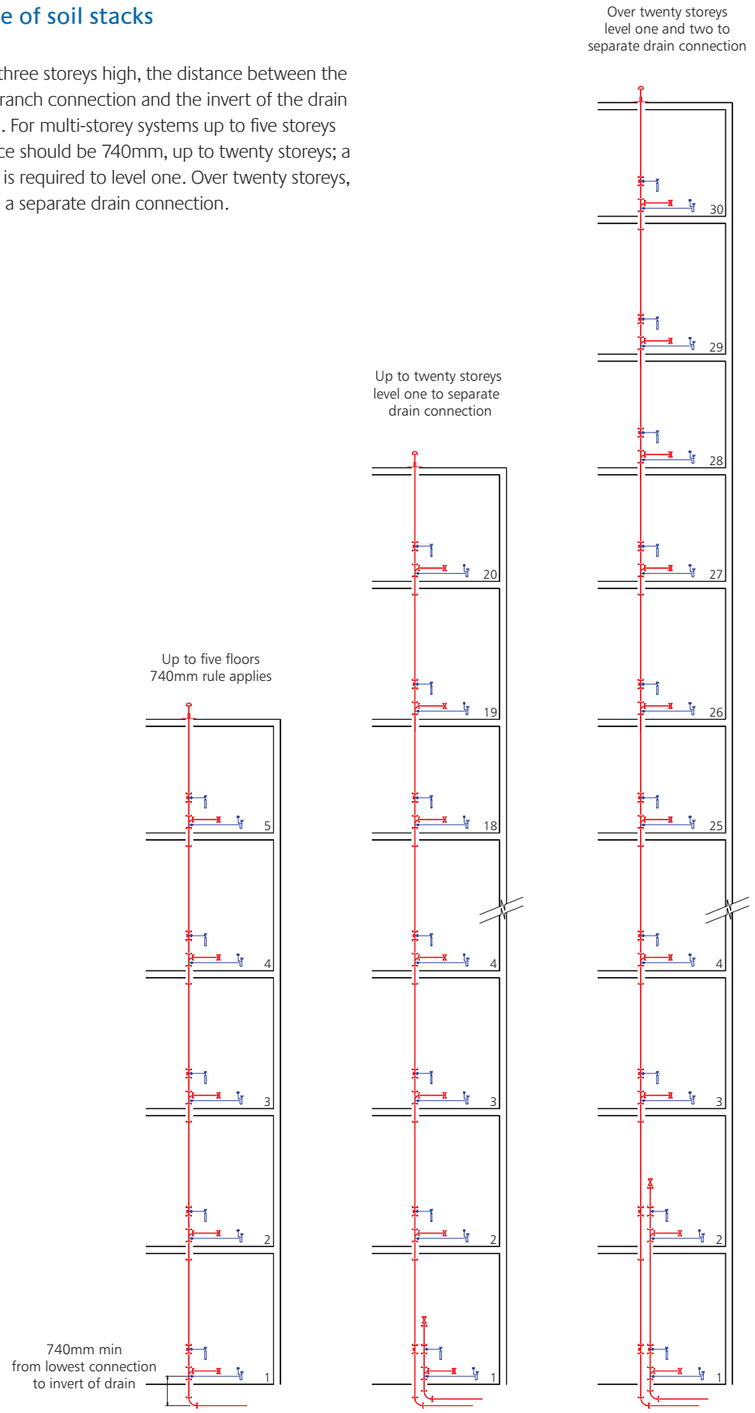


Fig 1

Branches at the base of soil stacks

For single dwellings up to three storeys high, the distance between the centre line of the lowest branch connection and the invert of the drain should be at least 450mm. For multi-storey systems up to five storeys high, the minimum distance should be 740mm, up to twenty storeys; a separate drain connection is required to level one. Over twenty storeys, levels one and two require a separate drain connection.



Sizing of soil stacks

It is recommended that the guidance given within BS EN 12056, part 3 be adopted when sizing soil stacks. Marley Plumbing & Drainage offer a range of soil and waste pipework in sizes up to 160mm which generally covers all the requirements of high rise buildings commonly constructed in the Gulf region.

Calculation of Flowrate

Waste water flowrate Qww is the expected flowrate of waste water in a part or in the whole drainage system where only domestic sanitary appliances are connected to the system.

$$Qww = K\sqrt{\sum DU}$$

Where: Qww = waste water flowrate (l/s)

K = Frequency factor (table 2)

$\sum DU$ = Sum of discharge units (table 1)

Table 1

Appliance	Discharge Units (DU), l/s
WC, 6L cistern (1.2 - 1.7L/s)	1.7
Wash basin	0.3
Bath	1.3
Shower tray (no plug)	0.4
Kitchen sink	1.3
Urinal (cistern flush) per person	0.2
Bidet	0.3
Dishwasher, domestic	0.2
Washing machine, up to 6 kg	0.6
Washing machine, up to 12 kg	1.2

Table 2

Frequency of Use Factors	
Intermittent use, e.g. House, flat, offices	0.5
Frequent use, e.g. Hotel, school, hospital	0.7
Congested use, e.g. Public use	1.0
Special use, e.g. Laboratory	1.2

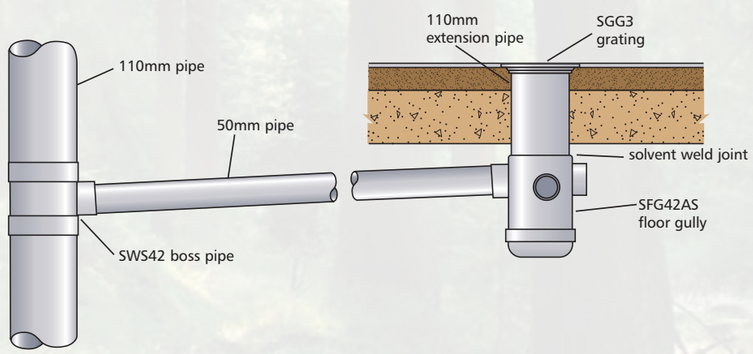
Vertical Soil Stack Capacity

Primary Ventilated Stack Option	DU
82mm Discharge Stack (no WC's)	2.6
110mm Discharge Stack	5.2
160mm Discharge Stack	12.4

Secondary Ventilated Stack Option	DU
82mm Stack & 50mm 2nd Vent (no WC's)	3.4
110mm Stack & 50mm 2nd Vent	7.3
160mm Stack & 82mm 2nd Vent	18.3

Floor gully

Trapped floor gullies are suitable for use as a shower outlet in bathrooms, wet rooms or as floor gullies for washdown areas in domestic, public and commercial buildings. The floor gully either has a 50mm or 82.4mm outlet, with three waste pipe inlets. The SFG42AS and SFG43AS provide a minimum 75mm water seal. The fitting is supplied with a loose base so that the body height can be reduced for casting in a shallow slab. A stainless steel grating, SGG4 or PVCu grating, SGG3 are available.



WC Connectors

Our comprehensive range is one of the largest on the market, and covers spigots of 74mm – 114mm, ensuring an accurate fit, regardless of the make and model of sanitary chinaware.

Selecting the right WC connector

Measure the OUTER diameter of your spigot.

Measure the INNER diameter of your pipe.

Then take a look at the dimensions provided for the individual connectors to find the best matches.

Know your WC pan spigot

KEY	SIZE	PIPE SUITABILITY	BRITISH STANDARD
PAGE: 24 – 28	97-108 mm	Modern & New Pans	BS 5503 & BS 5504
PAGE: 29	108-114 mm	Old & Syphonic Pans	BS 1213
PAGE: 30 – 31	76-95 mm	Stainless Steel Pans	–

Know your pipe

KEY	SIZE	PIPE SUITABILITY	BRITISH STANDARD
STANDARD ❶	99-105 mm	uPVC / Clay / Cast Iron	BS 4514/BS 4660/BS 65/BS 416
CAST IRON ❷	88-92 mm	Traditional Cast Iron	–
OLD ❸	74-77 mm	–	–
COPPER ❹	105-108 mm	Copper	–

All WC connectors are made to fit pans conforming to BS 5503 and BS 5504, including ones with bosses.

Sealing flanges

✓ ✗

When connecting a WC connector to the pan spigot, the sealing flanges must be pushed inside with the pipe.

Don't pull the other sealing flange out over the top of the pan spigot – it may lead to leaks.

MKS1 vs MKS2

It's easy to get it right!

When you install a new toilet, in a new build development, you should use a MKS2 WC connector. When you refurbish an old toilet, you need to use a MKS1 WC connector (see page 69).

Use MKS1 on an installation, where it's been DONE!

Use MKS2 on an installation, where it's all NEW!

Make sure you know your pans and spigots

Pan dimensions

97 – 108mm Modern Pans
108 – 114mm Old Pans
76 – 96mm Stainless Steel

Spigot sizes

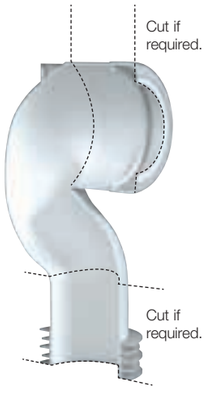
❶ 99 – 105mm Standard
❷ 88 – 92mm Cast Iron
❸ 74 – 77mm Old
❹ 105 – 108mm Copper

Multilink

Multilink is a unique fitting which sleeves the fins of all 99 – 105mm outlet Multikwik pan connectors.

Enabling direct connection to be made to the inlet of another pan connector.

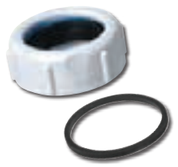
Space Saver Bend



Soil Pipe Extensions

Available for 4", 3½" and 3" a Multikwik Soil Pipe Extension can be cut to required length, removing the unsightly existing pipe within the bathroom.

Traps



Multifit Nut & Seal

All Multikwik traps have a multifit nut and seal that allow connection to push fit, solvent and copper pipes. The thumb recesses make it easy to tighten, even with wet hands to ensure a 'fit and forget' installation every time!

Water Seal

BS EN 12056-2:2000 states that traps which discharge to a soil stack should have a 75mm seal. Other seal depths can be installed, if installation with required seal depth isn't possible due to size restrictions.

- 50mm water seal traps can be fitted to baths, shower trays and basins with spray taps and no plugs.
- 38mm water seal traps can be used on ground floors when connecting to flat bottomed appliances that discharge to a back inlet gully.

Resealing trap

❶

When syphonic action occurs, air gets drawn through the bypass device, allowing an air break.

❷

Once the negative pressure stops, the water goes back and reseals the trap.

Bottle Trap Resealing

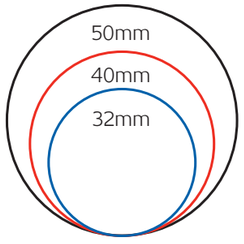
The resealing function helps to prevent loss of water.

Easily removed and cleaned to ensure 100% reliability.

Multi position outlet

The multi position outlet adjusts 360º for installations where space is at a premium or the pipework is misaligned.

To ensure accuracy and efficiency all Multikwik traps have unique slip ring colours to aid size identification.



Size guide

32mm

Hand basin
Bidet
Drinking fountain
Kitchen appliances

40mm

Bath
Shower
Sink
Urinal

50mm

Range of basins
Range of urinals
Catering sinks
Hospital appliances

Underground drainage systems

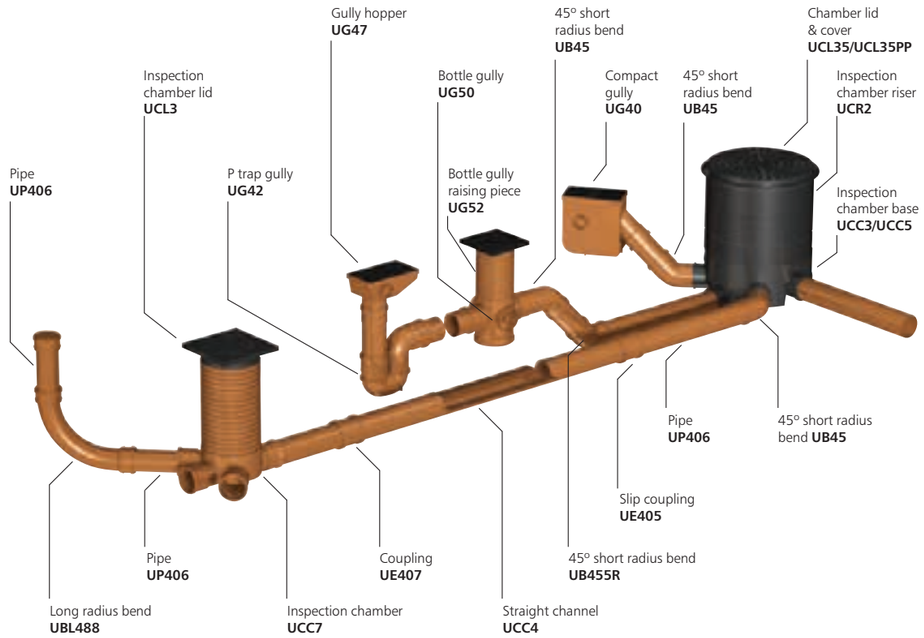
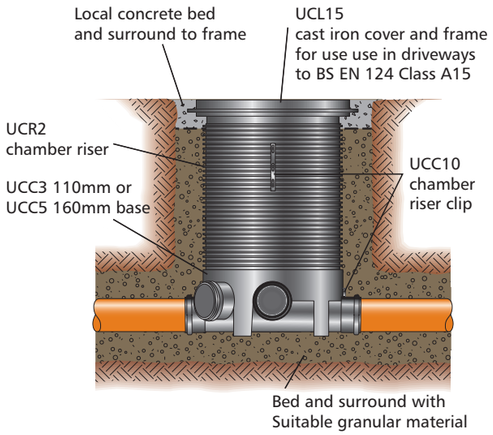


Diagram for illustrative purposes only

Access components

Access is required to drainage installations for testing, inspection and removal of debris. Access to drainage, allowing rodding in both directions, can be provided by inspection chambers. Rodding eyes provide access for clearance of debris in the direction of flow only and should only be used in conjunction with an access chamber or manhole at a point downstream. Generally speaking, access should be provided at all changes in direction, gradient or pipe size, unless rods can pass through unimpeded.

A range of access components are available, including the 450mm inspection chamber (shown here) which can be used as an alternative to traditional manholes for depths up to 1.2 metres.



Gullies

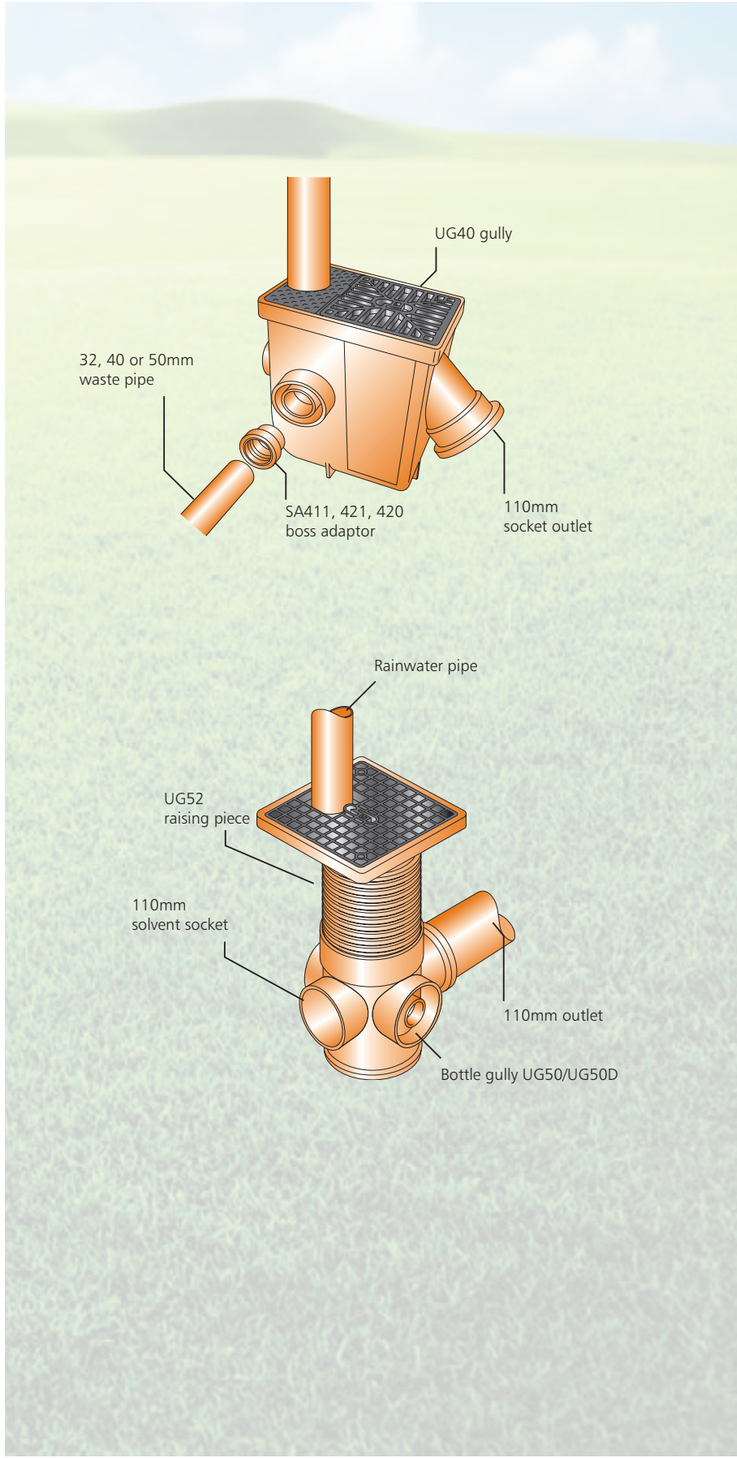
Gullies, used as a method of collecting surface water to discharge to a drain. If an untrapped gully is used (sometimes necessary due to space restriction), it must be trapped using a UG42, UG42S or UG44 before entering the drainage system.

The Marley bottle gully is ideal for new or replacement installations. Accepts waste and rainwater pipes. A fully rotating gully body allows the outlet to face the required direction of the drain connection. A removable rubber plug provides access for cleaning.

A comprehensive range of gullies are available, see page 48.

Installation procedure for bottle gully

1. Cut raising piece to required length by saw cutting midway between external corrugations.
2. Remove sealing ring from gully frame spigot and place in first corrugation of raising piece.
3. Lubricate and push fit raising piece into top of gully body.
4. Gully frame spigot can then be solvent welded into top of raising piece. The gully grating may be secured to the frame if necessary with two 6 x 13mm self tapping pan head corrosion resistant screws (not supplied).



Standards

British & European Standards

BS EN 1329-1
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – PVCu.

BS EN 1451-1
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – polypropylene.

BS EN 1519-1
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – polyethylene.

BS 4514
Specification for PVCu soil and ventilating pipes, fittings and accessories.

BS EN 1566-1
Specification for thermoplastics waste pipe and fittings.

BS 5255
Specification for thermoplastics waste pipe and fittings.

BS EN 1455-1
Plastics piping systems for soil and waste (low and high temperature) within the building structure – ABS.

BS 5627
Specification for plastics connectors for use with horizontal outlet vitreous china WC pans.

BS EN 14680
Specification for adhesives for non-pressure thermoplastics pipe systems.

BS EN 681-1
Elastomeric seals. Material requirements for pipe joint seals used in water and drainage applications. Part 1 vulcanised rubber.

BS 4660 & BS EN 1401
Thermoplastics ancillary fittings of nominal sizes 110 and 160 for below ground gravity drainage and sewerage.

BS 4962
Specification for plastic pipes and fittings for use as subsoil field drains.

BS EN 14680
Adhesives for non-pressure thermoplastic pipe systems.

BS 7158
Plastic inspection chambers for drains and sewers.

BS EN 124
Gully tops and manhole tops for vehicular and pedestrian areas. Design requirements, type testing, marking, quality control.

BS EN 295
Vitrified clay pipes & fittings and pipe joints for drains and sewers.

BS EN 681-1
Elastomeric seals. Material requirements for pipe joint seals used in water and drainage applications.

BS EN 752
Drain & Sewer Systems outside buildings.

BS EN 1295-1
Structural design of buried pipelines under various conditions of loading. General requirements.

BS EN 1610
Construction & Testing of Drains & Sewers.

BS EN 13476-3
Plastics piping systems for non-pressure drainage and sewerage, structured wall piping systems with smooth bore and profiled external surface.

BBA 11/H172
Quantum Highway Drainage System. 375-600mm pipes and couplings.

BBA 88/1977
Marley Underground Drainage System.

BBA 09/H146
Quantum Highway PVCu Twinwall Drainage System.

BBA 94/2985
Marley Quantum Sewer PVCu Twinwall Underground Drainage and Sewerage System.

BBA 98/3486
Marley Quantum Highway PVCu Twinwall Surface Water Drainage System.

WIS 4-08-01
Bedding and sidefill materials for buried pipelines.

BS EN ISO 9001
Quality management systems.

BS EN 1S0 14001
Environmental management systems requirements with guidance for use.

Colour Key:

W: White **B**: Black **G**: Grey **Y/B**: Yellow & Blue **NU**: Neutral **BL**: Blue **O**: Orange

STANDARDS

British Standards

A wide range of components featured in this guide conform to British Standard Specifications, many items bear the British Standards Institution's Kite Mark symbol, ♡, as indicated throughout this price list. The presence of this mark on, or in relation to, a product is an assurance that the goods have been produced under a system of supervision, control and testing, operated during manufacture and including periodical inspection of the manufacturer's works in accordance with the Certification Mark Scheme.

o Products indicated by this symbol comprise of components not covered by Marley Plumbing & Drainage BS EN ISO 9001 Scope of Registration. However these products have been fully inspected and tested in accordance with our own Quality Management System requirements.

Agrément Certificates

Certain components and systems illustrated in this guide have been independently assessed and are the subject of certification by the British Board of Agrément. These items are indicated by the BBA symbol, ⏏, throughout this price list.

Copies of Marley Plumbing & Drainage BBA Certificates are freely available from the Company upon request or by logging on to marleypd.co.uk.

PRODUCT INFORMATION

External Installation
Where ABS components are to be installed externally they must be painted to protect them from direct sunlight.

Accreditations

BBA BRITISH BOARD OF AGREMENT
11/H172
88/1977
09/H146
94/2985
98/3486

bsi.
BS EN 1451
BS EN 607
BS 4514
BS EN 1519
BS EN 12200-1
BS 5255
BS EN 1455-1
BS EN 12380
BS EN 1329
BS EN 1566
BS 1462
KM 506030
KM 511253
KM 60980
KM 545820
KM 511253
KM 06384
KM 57379
KM 583109
KM 56356
KM 74510
KM 511253

bsi. ISO 9001 Quality Management
ISO 14001 Environmental Management

Note:

Marley Plumbing & Drainage products are manufactured to a constant high standard. The Company will not therefore accept responsibility for failure of any installation which includes components not supplied by us.

Notes

Notes

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