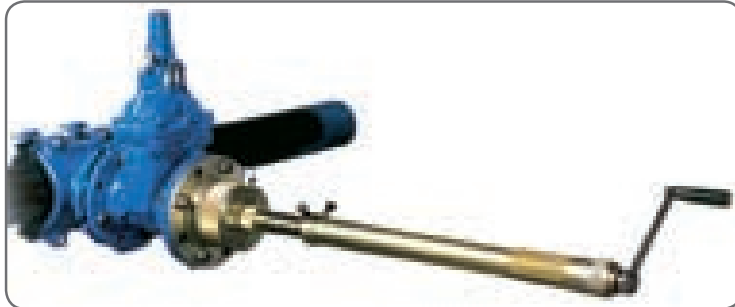


**PIPETECH**  
PIPELINE TECHNOLOGY

AT THE FOREFRONT OF WATER & GAS INNOVATION

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Established in 1991, Pipetech is a leading manufacturer and supplier of Underpressure Drilling, Tapping and FlowStop Machinery and Pipeline Tooling and Equipment to the International Water and Gas Industries, in addition to associated Engineering Consultancy services. These activities cement Pipetech's reputation for problem solving and supplying Technically demanding product packages for piping projects throughout the World.

Pipetech operates through an extensive Distribution network in the UK and Overseas and is able to provide our customers with local access to products whilst maintaining the high levels of technical support facilities that have contributed to our reputation.

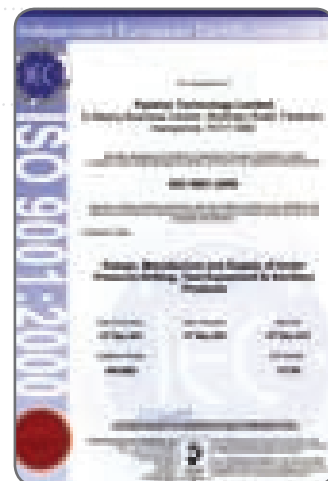
Pipetech's manufacturing infrastructure ensures that we are always in a position to react promptly to the everyday requirements of our customers and to any urgent situation that may arise. Aligned with this are Pipetech's Research and Development capabilities, which enable the fast turn-round of new products.

The Pipetech Management team includes qualified engineers who between them have in excess of a combined 150 years experience working in and servicing the International Water and Gas Industries. This experience has contributed to Pipetech broadening its scope of supply, including owning the rights to the Pass and Periquip range of Drilling machines and being the exclusive manufacturers of Talbot Drilling & Tapping machines.

Over the years that Pipetech has been in operation, our Management team has also built up an extensive Export portfolio. To date Pipetech has exported to more than 100 countries, with particular success in the Middle East and North Africa, including the Great Man-Made River Project. As this portfolio has grown, Pipetech's reputation for supplying pipeline packages and designing and manufacturing innovative and novel solutions to specific needs continues to grow.

## The Pipetech Commitment

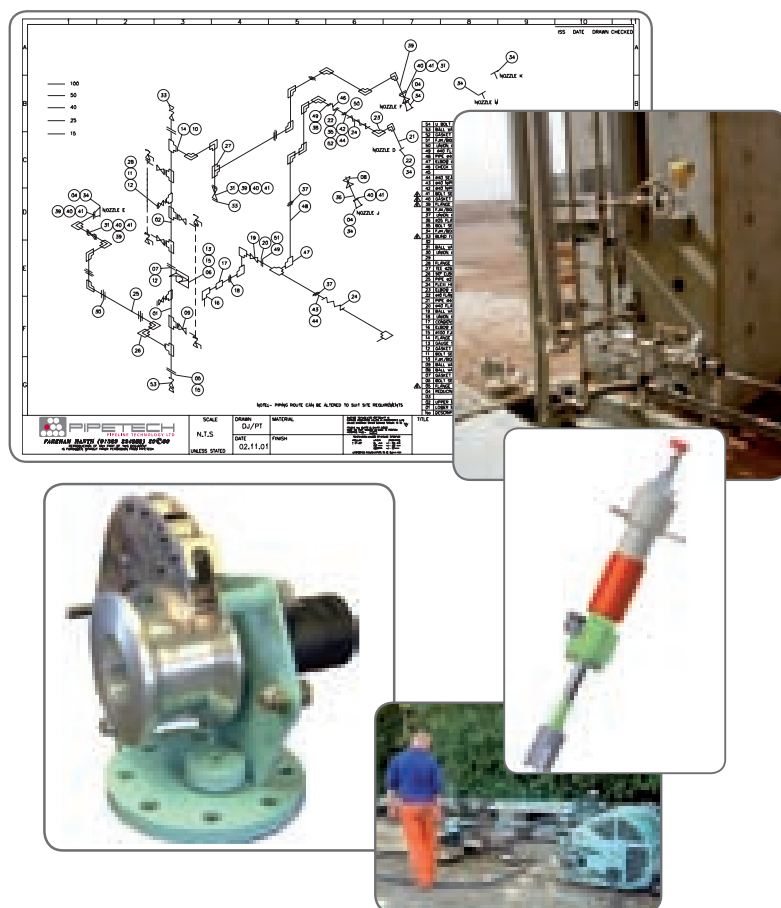
The driving forces behind Pipetech are service and quality. Our extensive inventory, rapid deliveries and the ability to rapidly source products sets Pipetech apart from its competitors. Working with Pipetech and our network of Distributors ensures that our customers can access the best products on the market quickly and efficiently whilst remaining assured that the service, quality and support facilities required for a successful application are readily available. Pipetech operates within an ISO9000 environment, further illustrating our ongoing commitment to quality.



## Contents

4 - 5	Worldwide Presence	6 - 11	Drilling Machines	12 - 13	FlowStop
14 - 15	GasMaster	16	PQ2000	17	DrillTaps
18 - 19	Metallic Pipe Tooling	20 - 21	PE Tooling	22 - 23	Gas Test Equipment
24 - 25	Ancillary Tooling	25 - 29	Export	30	Case Study
31	Drilling Machine Chart				

## Research & Development



### From Concept To Installation

- Pipetech's Research and Development Department is available for In-House and Sub-Contract Drawing Projects, utilising the latest AutoCAD and Inventor technology.
- Pipetech can produce individual component, assembly, bill of quantities, piping layout and isometric drawings.

### 3D CAD Modelling

- Ability to Solid model components in 3D prior to manufacture.

### Flowjet Cleaning System

- Project designed in conjunction with Amec Utilities and WRC to produce equipment used to clean PVC pipes using an automated winch and specially designed cleaning heads.

## Pipetech Products

Pipetech is the UK's leading manufacturer of Underpressure Drilling, Tapping and FlowStop Machines and Pipeline Tooling and Equipment for the Gas and Water industries.

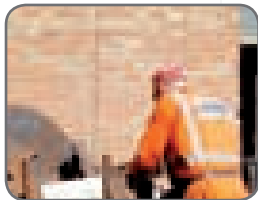
Pipetech are continually developing and adding new products to our portfolio. If it is not detailed here please contact us and we will design or source to suit your requirements.



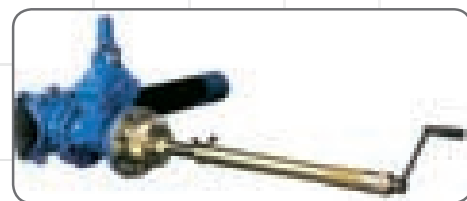
# Worldwide Presence



**Venezuela** Contract to design and supply Galvanised Steel Fabricated Pipework from DN 50 – DN400, Flanges, Valves, Bolt and Gasket sets.



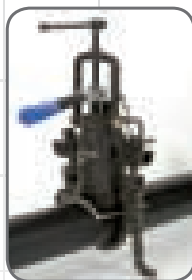
**North America** Supplier of the Super Tuff Drill Tap and Drilling Machines into the U.S. Water market.



**Libya** Various contracts for the supply of a wide range of equipment. Products supplied include Blind Flanges, Bronze Valves, Automatic Drain Valves, Lifting Straps, Chlorination & Injection Piping Systems, Couplings, Flange Adaptors, Dismantling Joints, Vent Nipples, etc.



**Uruguay** Supply of No.1 Drilling and Tapping Machine.



**Argentina** Supply of Gas equipment including Drilling & Tapping Machines, Standpipes, Vent Pipes and Electrofusion Tooling.

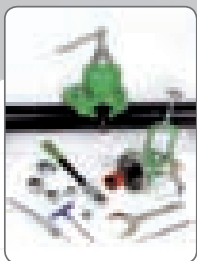


**Nigeria** Awarded Contract to supply core products into Western Africa.



**North Africa** Contract to supply Pipes, Valves and Fittings for Surge Vessels on the Great Man Made River Project in North Africa. Pipes included Super Duplex, Stainless Steel, Titanium, PVC, PE, Carbon Steel and Valves (Butterfly, Gate, Non-Return, Ball, Vacuum Relief, Pressure Relief) in the same materials.

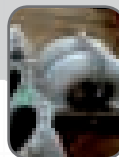




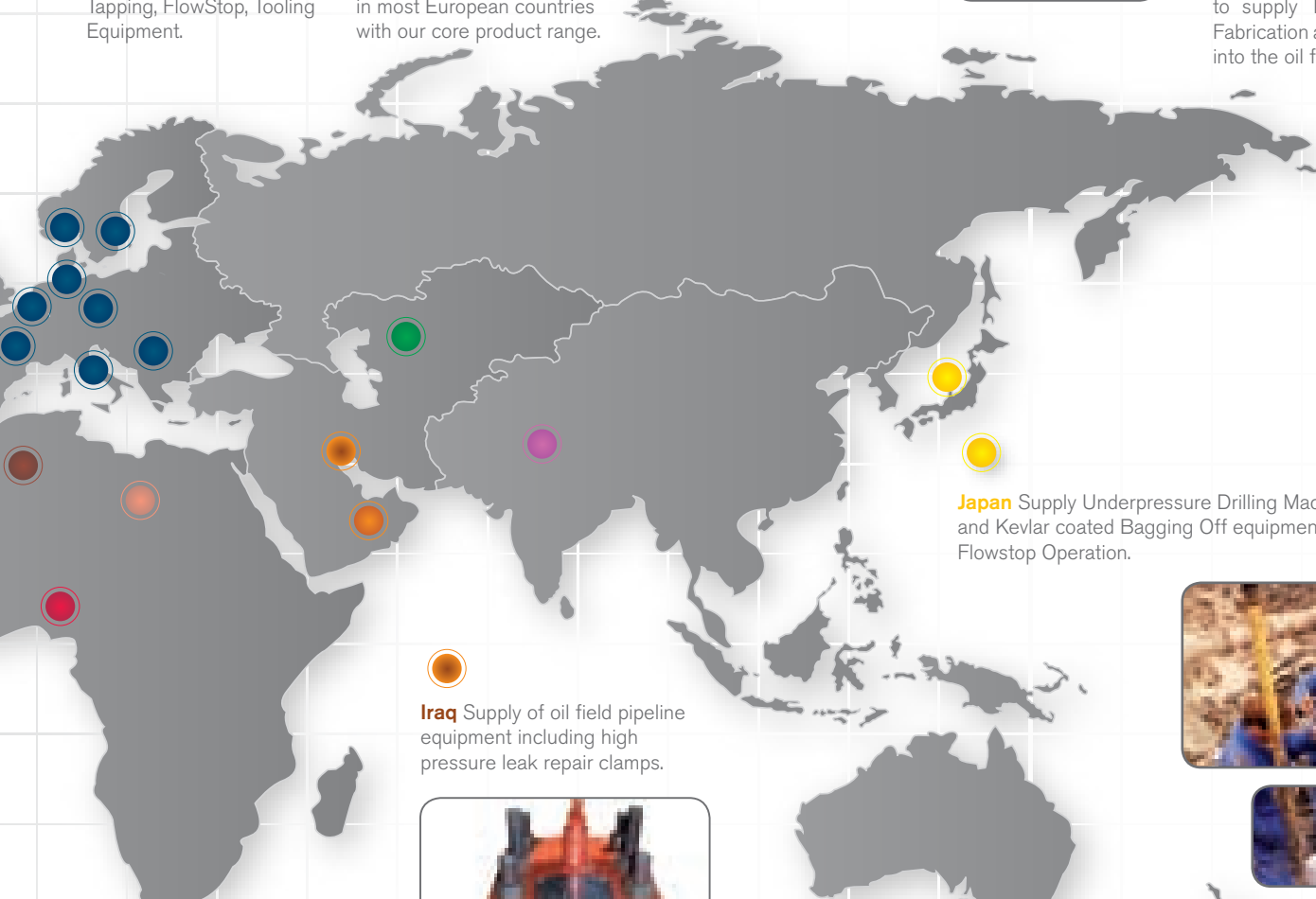
**UK & Ireland** Drilling, Tapping, FlowStop, Tooling Equipment.



**Europe** Supplying a network of Distributors in most European countries with our core product range.



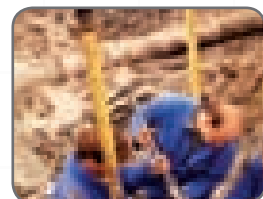
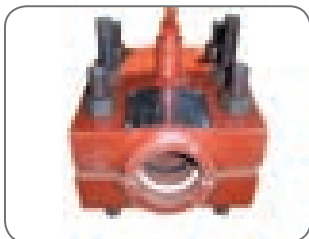
**Kazakhstan** Contract to supply Titanium Pipe Fabrication and Fasteners into the oil fields.



**Japan** Supply Underpressure Drilling Machines, Fittings and Kevlar coated Bagging Off equipment for Water Flowstop Operation.



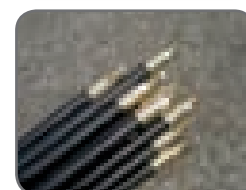
**Iraq** Supply of oil field pipeline equipment including high pressure leak repair clamps.



**New Zealand** Supply of Drain Cleaning equipment and other ancillary items.

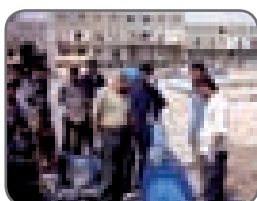
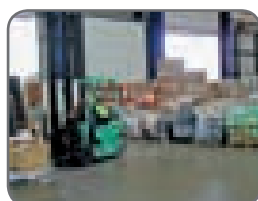


**Far East** Various supply of core product range.



**Middle East** Supply of products to kit out gangs working on water pipelines in the Middle East (including Drilling & Tapping equipment, Safetywear, Road Breakers etc).

Contract for the supply of 12 - 400mm Fully Automatic Butt Fusion Machines.



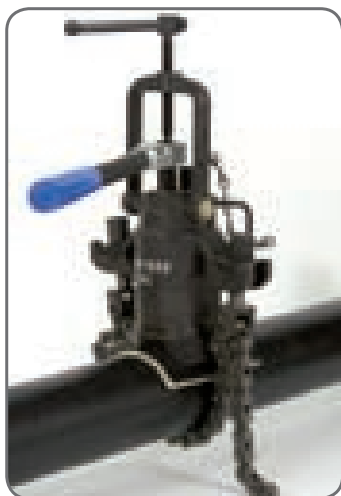


# Drilling Machines

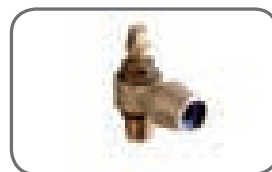
Pipetech are the only authorised manufacturer of the Talbot range of equipment.

## Talbot

### Pipetech No.1 1/2"-1" - Drilling and Tapping Machine

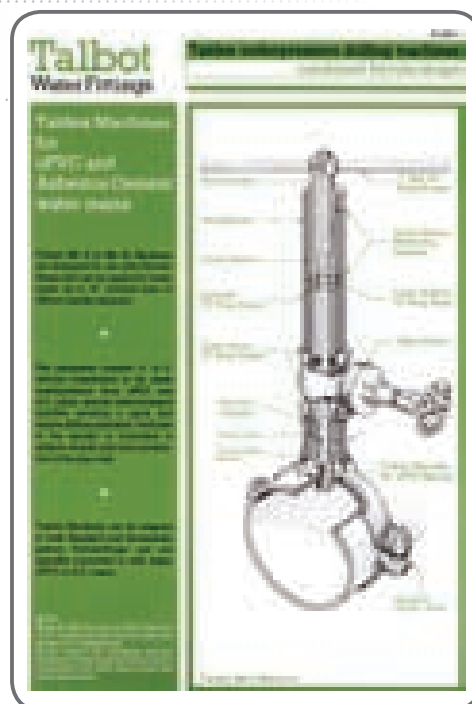


- The Pipetech/Talbot No 1 Drilling and Tapping Machine drills and taps Cast and Ductile iron pipe and is compatible with existing equipment.
- Inserts ferrules under pressure.
- Pipetech are the authorised manufacturer of the Talbot range of equipment.

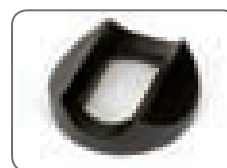


### Taldex Mk II & III - Drilling Machine

- 16 Bar rated Water service underpressure drilling machine.
- MkII size range 1/2" – 1". MkIII size range 1 1/4" – 2".
- For use with ferrule straps on AC, uPVC and PE water mains.
- Suitable for Screwdown & Plug type Ferrules.
- Supplied with Plug insertion equipment.
- Cutters are not included – available separately.



## Pipetech/Talbot No.3 1 1/4"-2" Drilling and Tapping Machine



- 1 1/4"-2" Drilling & Tapping Machine. With additional drill kit can also drill 1/2"-1".
- Machine supplied as standard with Universal Undercarriage.
- Talbot and Pass drill spindles included to offer flexibility of drill tap use. Incorporates twin-chain clamping system.
- Saddles and Tool kits available as accessories.
- Range of PE Shims available for pushfit Ferrule removal.



## Saddle Straps & Ferrules



### Outlet Size.

1/2	3/4	1	1 1/4	1 1/2	2"	Iron
15	22	28	35	42	54mm	Copper
20	25	32	40	50	63mm	uPVC&PE

- Saddle Straps in Gunmetal BS 1400 LG2.
- Size available 1 1/2" – 78".
- Plain or female threaded boss.
- To suit either AC/Cast Iron or PVC, Steel & Ductile Iron mains.
- Swivel ferrules in BS 1400 LG2 available in Plug, Screwdown or Self-tapping pattern.
- Outlets: Female iron or Pushfit.

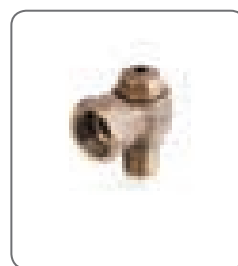


# Drilling Machines

## Pipetech MK IV Universal 1/2"-2" Drilling and Tapping Machine

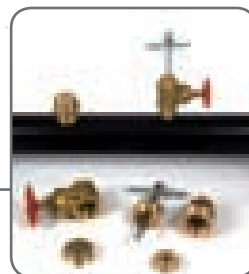
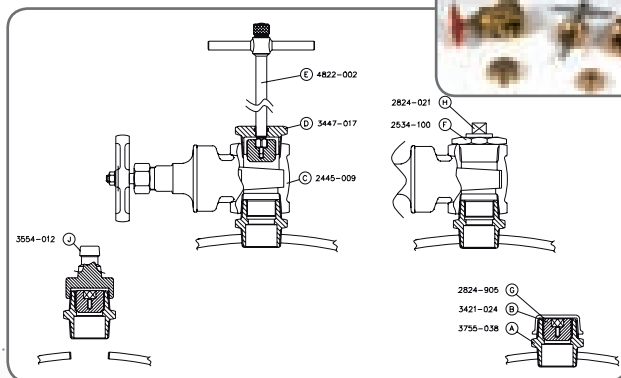


- Single Spindle Drilling & Tapping machine for use on Water mains, with built-in valve gate to enable insertion and removal of Ferrules.
- Now capable of drilling higher pressure mains (20bar rated).
- Only 10 saddles required for 2"- 72" pipe. Adaptors are available for the Underpressure removal of Ferrules.

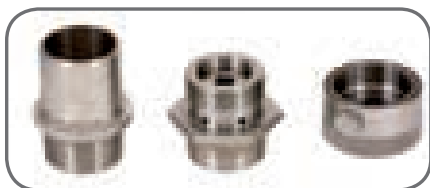


## Probe Flow Nipples

- Allows insertion of Probe Flow equipment into pressurised mains.
- Used in conjunction with Underpressure Drilling & Tapping equipment.
- Available in 1", 1 1/2", 2" & 2" full bore.
- The following accessories are available:
- Gate valve, Headworks cap (used for plug removal), Ferrule Key, Reducing Bush (to allow probe insertion), Plug & Cap.



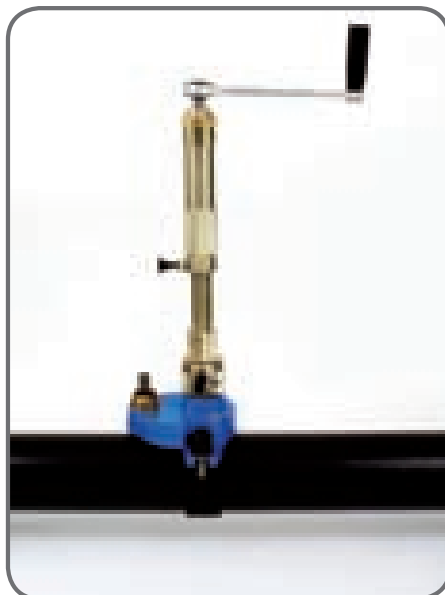
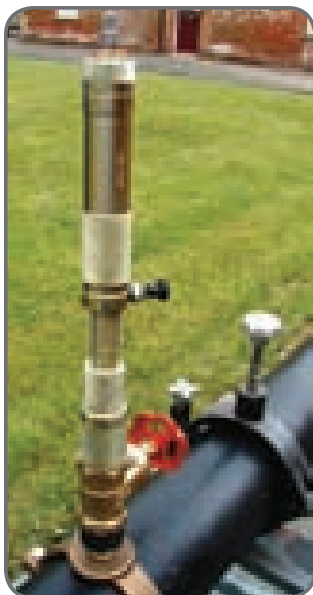
## Vent Nipple



- For Venting/Sampling and pressure reading of Water mains.
- Allows Valve replacement Underpressure.
- Available in Super Duplex Stainless Steel & Bronze.
- Weld Nipple version available for welded pipes.
- Pressure tested to 60 Bar.



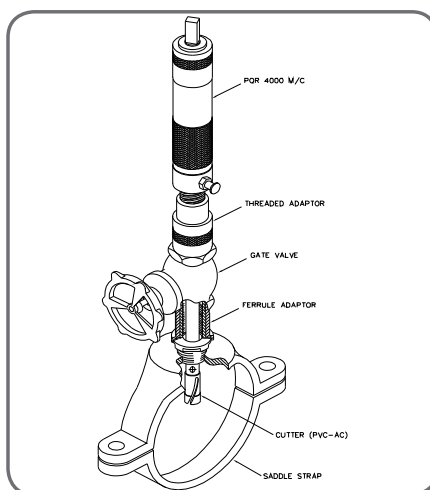
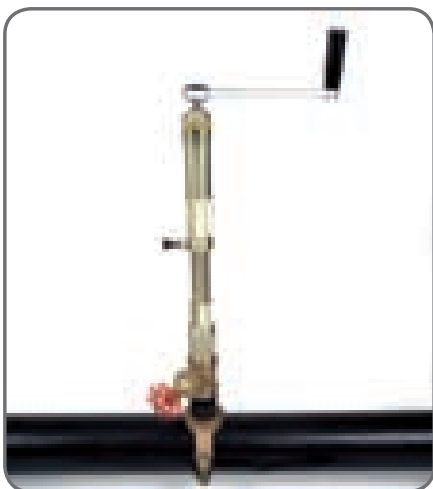
## PQR4000 1/2"-2" Drilling Machine



- Drills 1/2" - 2" connections into Steel, Cast & Ductile Iron and PE pipe through Valves, welded fittings, pipe saddles and split collars.
- Kits supplied for either Plug or Screwdown Ferrules to drill 1/2"-1" AC, PE and PVC pipe, through a Ferrule and Saddle Strap.

## PQR4500 1/2"-2" Drilling Machine

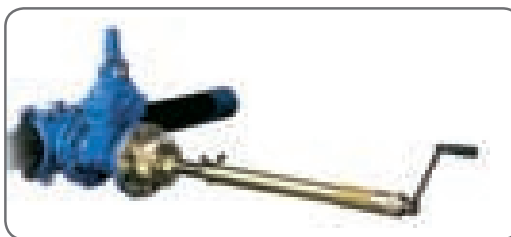
- A longer traverse machine for drilling 1/2"-2" through Ferrules and Saddle Straps in PE, PVC and AC.
- Available with kits for either Plug or Screwdown Ferrules to drill 1/2"-1" or 1 1/4" - 2" ferrules on AC, PE and PVC pipe.



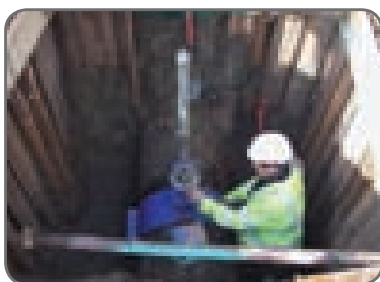


# Drilling Machines

## PQR6000 1"-6" Branch Mains Drilling Machine



- Versatile, lightweight and robust, the PQR6000 is capable of drilling Steel, Cast & Ductile Iron, PE, PVC and AC.



- Power Drive option.
- Available as PQR6000FK, machine supplied with all adaptors and cutters for DN80/3", DN100/4" and DN150/6".
- Unique design enables constant cutting torque and coupon retention.
- Pneumatic, Electric or Hand operation.

## PE2M 90-180mm PE Drilling Machine



- The 90 - 180mm PE Drilling Machine for Gas and Water is compact and lightweight and ideal for simple hand operation.
- Specially designed, swarf retaining Cup Drill for drilling through branch saddles.



## PQR8000 4"-12" Branch Mains Drilling Machine



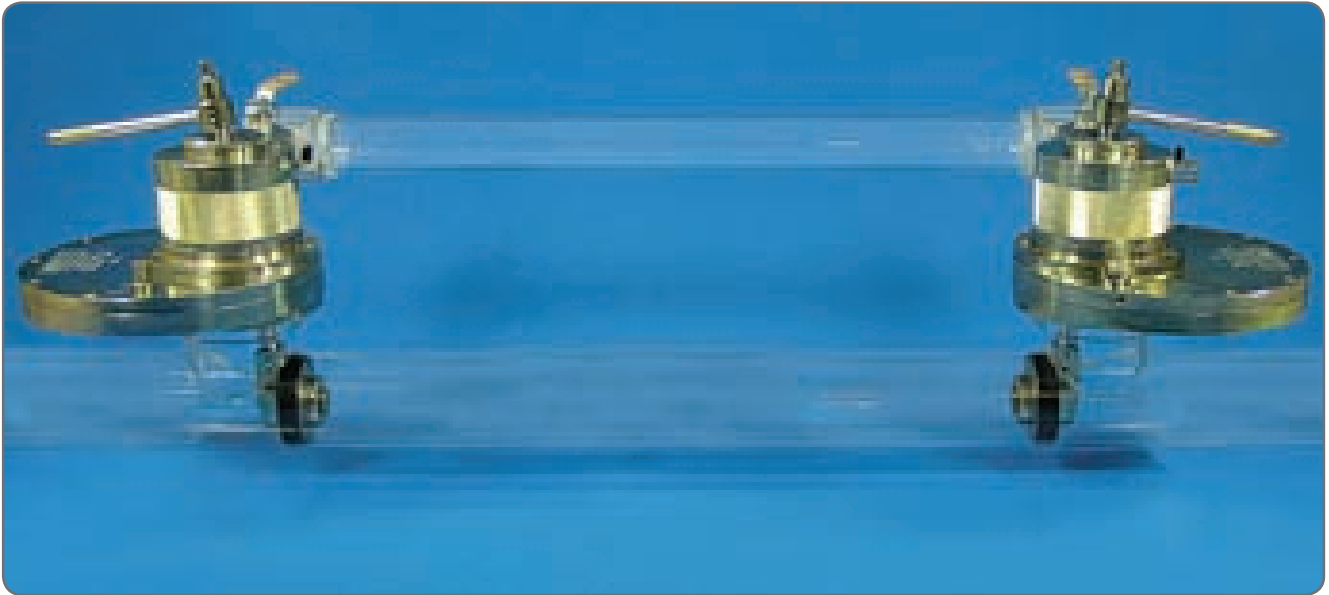
- Hydraulically operated, the PQR8000 is designed for cutting 4"-12" holes in metallic pipes.
- The PQR8000 utilises super High-speed cutters to reduce drilling times.
- Far lighter than existing machines, but equally as robust, this modular machine gives maximum versatility and adaptability in use.
- The PQR8000 has 100cm traverse.



## PQR8500 8"-20" Branch Mains Drilling Machine

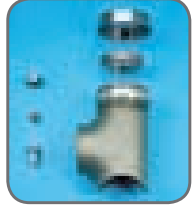
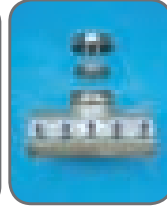
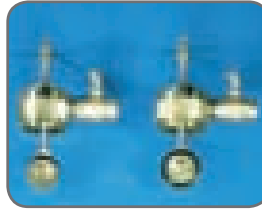
- All-steel construction version of the PQR8000 for drilling 8" to 20" holes in metallic pipes.
- The PQR8500 is also available with 100cm traverse.

## FlowStop For Metallic Pipe



## FlowStop System 2" - 20"

- Easy to handle.
- No supply interruption.
- Small excavation footprint.
- Quick and simple to use.
- Cost effective installation.



## FlowStop For PE Pipe



### PE FlowStop System DN90 – DN225

- Compact & lightweight.
- FlowStop System for PE for up to 5bar working pressure.
- System incorporates a built-in Valve Gate Assembly with pressure equalisation device.
- Design ensures pipe and tee are supported during FlowStop operation.
- Supplied with liners DN90 – DN200. System aligns and acts as Top Loading Clamp for the Electrofusion Tee.
- Plug insertion on completion – allows removal of all equipment once FlowStop is complete.



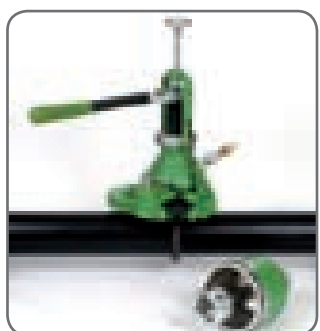
### PE FlowStop System DN250 – DN315

- Addition to the PE FlowStop range, enables FlowStop in sizes DN250 & DN315.
- Also incorporates a built-in Valve Gate Assembly with pressure equalisation device.
- Design ensures pipe and tee are supported during FlowStop operation.
- Supplied with liners DN250 & DN315. System aligns and acts as Top Loading Clamp for the Electrofusion Tee.



# Drilling Machines

## GasMaster 1/2"-2" Drilling and Tapping Machine



**Approved to BGC/PS/E1  
(now known as GIS/E1)**

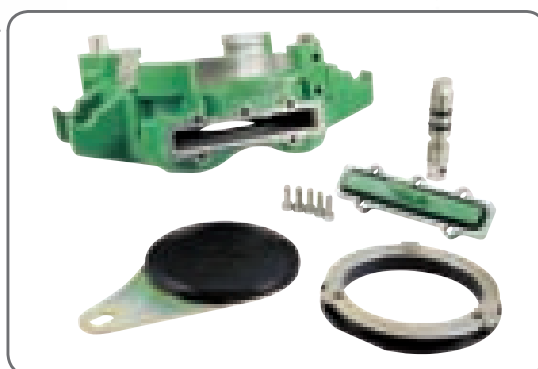
- For 1/2"-2" service connections at pressures up to 2 Bar.
- Standard kit supplied with all accessories for drilling and tapping connections of 3/4" and 1" equal top entry service tees, and 1 1/4", 1 1/2" and 2" nipples.
- Aluminium castings with bronze bushes make the kit lightweight and robust.
- Supplied in a strong metal box complete with saddles 3" through to 12".
- Drill Taps and/or Holesaw Taps and Cutters ordered separately.



- Power Drive option
- Anti-Torque Arm available for Power Drive Option

## Patented GasMaster Base

- One-piece casting.
- Patented rubber-coated valve gate mechanism ensures a perfect seal every time.
- Maintenance of the base is simple and quick to perform, making maintenance fast and cost effective.



## GasMaster BagSet



### Bagging-Off System

- Designed to temporarily stop the flow of Gas in live Gas pipes, enabling working in gas-free conditions to allow repair work to take place on Cast Iron, Steel and PE mains.
- Used in conjunction with the GasMaster base.
- Compact Bag Launch Tubes, maximises available space in the trench and reduces overall weight whilst maintaining integrity and strength.
- By-Pass system available – enables connection of 3" By-Pass around the operation to maintain supply.
- Can be supplied with Flexible Riders for low-pressure applications.
- Expanding non-tap plug available for use on PE mains.
- Utilises GIS/E4 gas bags or multi diameter stopper (MDS) bag.



- Patented MDS bag available in 1, 4 or 10 Bar ratings.



# Drilling Machines

## PQ2000 Lead Ferrule Replacement Machine



- For Lead Service Replacement.
- Removes existing bent ferrules – at any angle.
- Inserts new Ferrule into existing tapping or allows over-tapping of existing hole. Also possible to insert a plug into removed Ferrule location.
- All operations performed Underpressure avoiding costly mains shut-down.
- Visual inspection window – monitor progress Underpressure.
- 16bar pressure rating.
- Remove/replace 1/2", 3/4" and 1" Ferrules.
- Replace Lead Ferrule with same or next size up standard Ferrule, or plug-off – all Underpressure.



## MiniBag Stop System



- Meter Replacement FlowStop Kit.
- 3/4" to 1 1/2" Capability.
- Includes Male & Female Adaptors, Insertion Tubes, MiniBags, Pump & Gauge.

## Pipe Threading Kit



- Manual Pipe Threading Kit.
- Includes Ratchet, Handle & Drop Head.
- Contains 1/2", 3/4", 1", 1 1/4", 1 1/2" & 2" Dies.

## Pipetech MiniDrill Kit



- Mini Drilling & Tapping Machine.
- Includes Body, Bridle & Feedscrew, Reversible Ratchet and Spanner and Chain to suit Pipes 1 1/2" to 4".
- Contains 1/8", 1/4" & 3/8" DrillTaps.



## DrillTaps and Cutters



- Full selection of DrillTaps, Holesaw Taps and cutters ranging from 1/2" through to 2", available for all makes of machines: Pipetech, Pass, Talbot, Hutz, Mueller and others.
- Available in HSS and Carbon Steel.
- Special DrillTaps made to order.
- Full range of HSS, Carbide Tipped and Extra Deep Holesaw cutters available for all applications.

## Cup Drills and Pilot Drills



- Complete range of Pass, Peart and other cup drills and pilot drills available.
- Available with different grade tips.
- Other manufacturer's cup and pilot drills made to order.
- Regrind/re-tipping service available.



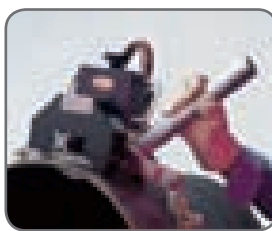
# Metallic Pipe Tooling

## Pipe Cutting Equipment

### Hinged, Rotary and Powered Pipe Cutters

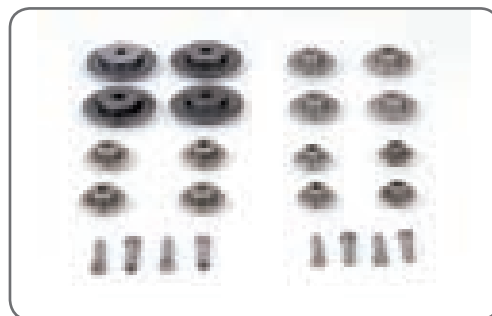


- Pipetech are Distributors for the full range of Reed Manufacturing products.
- Hinged cutters (models 1" through to 12") Rotary cutters (models 8" through to 36") and UPC Power cutter (6"-48").



### Cutter Wheels and Pins

- Universal cutter wheels to fit Reed hinged and rotary pipe cutters.
- All Pipetech cutter wheels are manufactured to BGC/PS/E5 and cut cast, steel and ductile.
- Complete range of Reed and other manufacturer's wheels.
- Wheel pins to suit requirements.



### Ridgid 246 Pipe Cracker

- Handy lightweight pipe cracker designed for soil pipe.
- Will snap 3"-4" cast iron pipe.



### Wheeler Pipe Crackers

- Models 3890 (3"-12") and 5590 (12"-24").
- Snaps cast iron, vitreous clay and AC pipe.

### Wachs Trav-L Cutter Blades

- For use with the Wachs 6"-72" pipe cutter.
- Allows simultaneous cutting and bevelling of pipe.



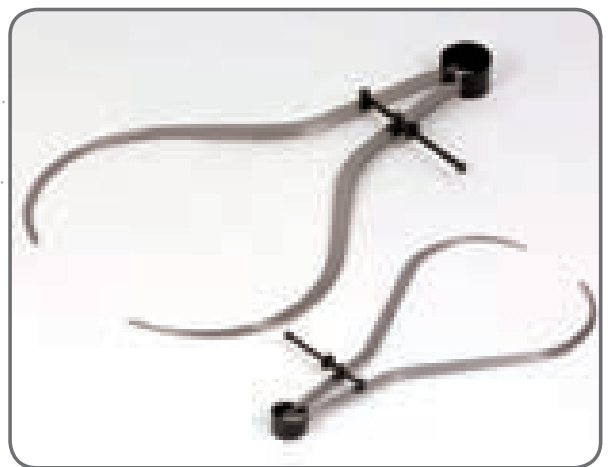
## Pipe Cleaning Straps



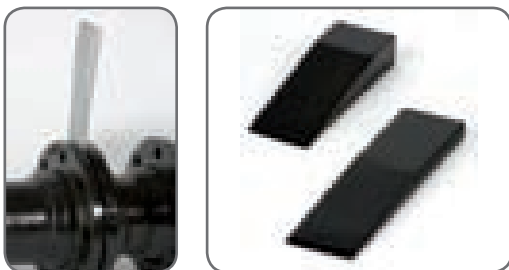
- Manufactured from anti-static materials, the strap prepares surfaces prior to cutting and drilling. Standard cleaning strap for up to 12" Pipe, with longer models available for larger diameters.
- Unique circular blades cut in every direction, allowing free movement of the strap. Circular cleaning teeth clean in both directions.
- User-friendly handles incorporate a shortening device.

## Calipers

- Firm joint & external sprung available.
- For accurate measurement of outside pipe diameters.
- 12", 18", 24" and 36" sizes in stock.



## Bursting Wedge



- For separating flanges on iron pipes.
- Available in two sizes.

## Through Ratchet

- Designed for tightening or loosening nuts on long-threaded bolts of service saddles, flanges, repair clamps, mechanical couplings etc.
- Align bolt holes with tapered handle.
- Faster than conventional ratchets and spanners.





## PE Pipe Cutters



- 50mm hose cutter.



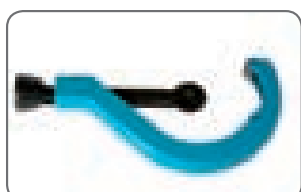
- 42mm heavy duty PVC, UPVC and PE pipe cutter.



- 63mm short handle PVC, UPVC and PE pipe cutter.



- 50-140mm quick release PEX, HDPE and PE pipe cutter.



- 100-168mm quick release PEX, HDPE and PE pipe cutter.



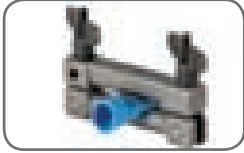
## PE Bevelling Tools



- Hand-operated.
- Bevels end of PE Pipe for ease of insertion into PE joints.
- 20mm, 25mm, 32mm, 40mm, 50mm and 63mm sizes available.

## Squeeze Off Tools

- Tools designed to squeeze off PE mains and services to enable repair work to be carried out.



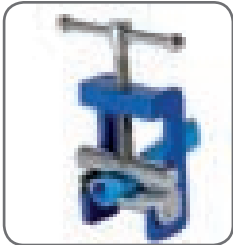
### Thumbscrew Squeeze Off

- Pocket sized.
- Thumbscrew Operation.
- 16 - 32mm.



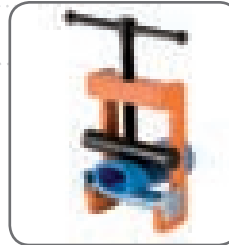
### Mini Squeeze Off

- Quick release with coated handle.
- 16 - 25mm.



### 32mm Squeeze Off Unit

- FBE coated steel frame.
- No loose parts.
- 16 - 32mm.



### 63mm Squeeze Off Unit

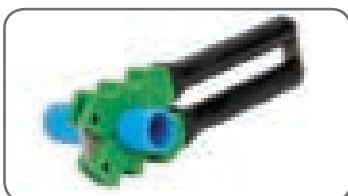
- FBE coated steel frame.
- 20 - 63mm.
- Can be supplied with 50mm gauge bar.

## 180mm Squeeze Off Unit

- Full stroke hydraulic unit.
- Mechanical safety stops prevent creep and permit controlled release.
- Springs to return jack to park position after squeeze off.
- Integral safety relief device.
- Comes with stops for 63, 75, 90, 110, 125, 140, 160, 180 or 200mm SDR11 & SDR17 pipes.



## 3-In-One PE Re-Rounding Tool



- One tool for re-rounding 3 sizes of PE pipe after squeezing off.
- 20, 25 & 32mm.
- Less than half the price of 3 individual tools.
- Fusion bonded Epoxy finished with rubber handles.

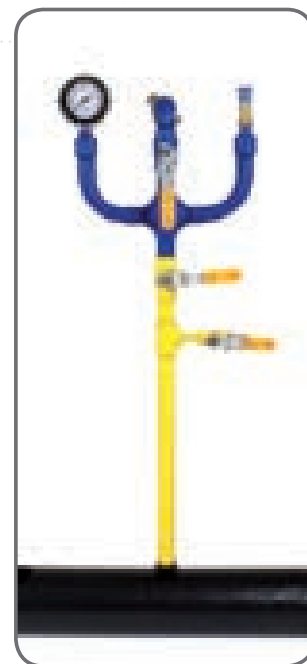


# Gas Test Equipment

## Gas Equipment

### Test Standpipes

- Mains test CowHorns for pressure testing Gas pipelines in line with British Gas Codes of Practice Engineering Standard BGC/PS/DIS5.5.
- Colour-coded for ease of identification (Low, Medium & High pressure, Blue, Orange, Red).
- All attach to the Common Base.
- Service Test Standpipes for pressure testing Gas services.
- Available with Brass cocks (as illustrated) or with diaphragm valves.
- Used in conjunction with ManoFlex gauges.



### 63mm Electrofusion MultiTester

- For pressure testing PE Gas services through the Electrofusion Top Tapping Tee.
- Testing for all sizes up to 63mm.
- Requires brass tee assembly.
- Adaption for all tees available.

### Pipetech Torando

The Pipetech Torando is a unique device designed to improve the accuracy of finding underground gas leaks. The Torando extracts gas that has permeated through the ground, ensuring that the leak is pinpointed without unnecessary and costly multiple excavations.

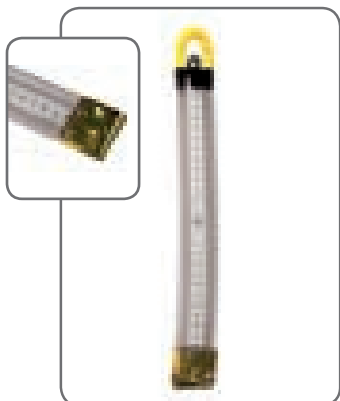
- Simple, robust design.
- Uses compressed air to extract permeated Gas.
- Used on standard searcher bar holes or with Pipetech Searcher-Bar assembly.
- Minimises excavation/reinstatement cost.



### Telescopic Vent Pipe

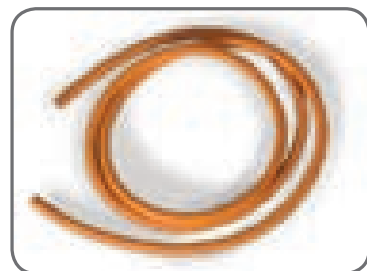
- Aluminium Construction.
- Lightweight.
- Optional earthing strap & flame trap.
- Available in 1" & 2" nominal bore.
- Adjustable height 1.6–3.2 metres.





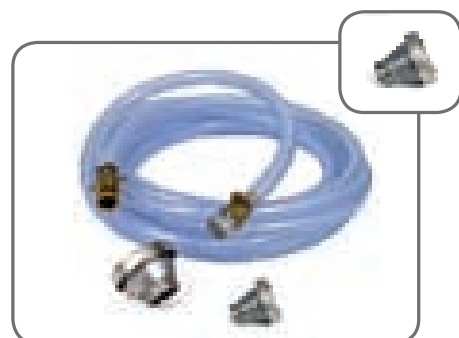
## ManoFlex Water Gauges

- Flexible water manometers used for gas service pressure testing.
- Available in sizes 12", 18", 24", 36" & 48".
- Used in conjunction with rubber test hose.
- Special scale/length gauges made to order.



## Purge Hose Assemblies & Flame Traps

- For purging gas pipelines by connecting to meter control valves, threaded outlets or riser pipes, in line with British Gas Codes of Practice Engineering Standard BGC/PS/ DIS5.6.
- Made to order in 3/4, 1" & 2" configurations.
- Flame traps can be supplied with purge hose or separately.



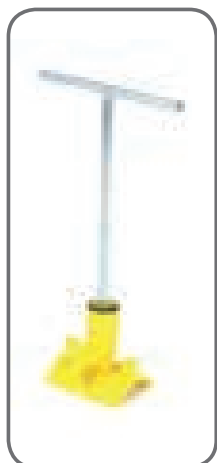
## Continuity Bonds

- Service test and mains test continuity bonds supplied in 4ft and 10m lengths respectively.
- Special lengths and configurations made to order.



## Gas Bags & Bag Pumps

- Self-centring Gas Gags manufactured to GIS/E4 specification.
- For use in conjunction with Pipetech and other bagging off systems.
- Plastic and Brass Bag Pumps available.



## Punch Tee Tapping Tool

- Used for operating electrofusion top tee cutter.
- Fits all top tapping tees.



# Ancillary Tooling

## Drain Equipment



- Centre lock single seal or double seal versions.
- Steel 40–450mm.
- Aluminium 40–600mm.
- Multilock 450–2000mm.
- High pressure plugs up to 100 Bar (with anchor).

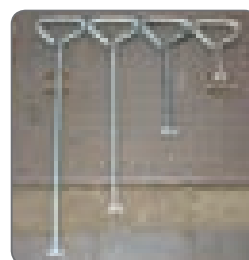
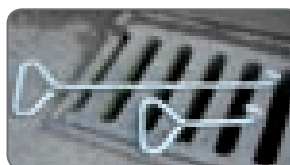


## Drain Rods

- Black or high-vis yellow polypropylene rods.
- Universal or lockfast connection.
- Tools available: plunger, clearing wheel, drop scraper, brush, double wormscrew and drain dye.

## Water Tools and Equipment

- Gulley silt grabs with 3", 4" or 5" Bowl.
- Hydrant standpipes with pushfit or roundthread connection.
- Hydrant valve keys.
- Stop tap keys.
- Gulley grate keys.
- Manhole lifting keys.



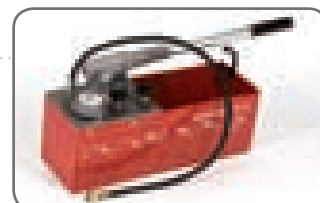
## Lead Wool

- Used for the repair of existing lead-run socket and spigot joints (caulking) on cast and ductile iron mains.



## Rothenberger Test Pump

- For hydrostatically testing gas and water pipelines.
- 1/2" BSP hose connection, 12 litre tank producing 60 Bar/840psi maximum pressure.





## Plumbers' Tools



### Automatic Copper pipe cutter 0 – 22mm

- Ideal in confined spaces.
- Complete with tube De-burring Tool and spare cutter wheel.

### Mini Pipe Cutter 3 – 22mm

- For cutting Copper, Brass and Aluminium tubing.

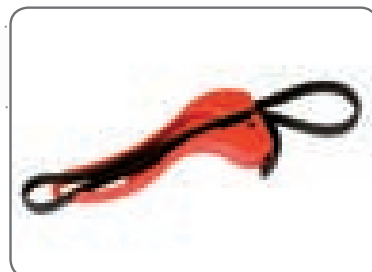


### Internal & External wire brush for 15 & 22mm copper

- 4 tools in one.
- Separate 15mm & 22mm sections.

### Rubber Strap wrench

- Available in 4" & 6" size.



## Pipe Freezing Equipment

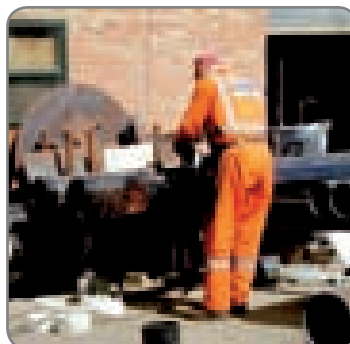
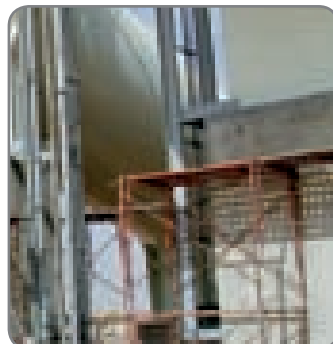
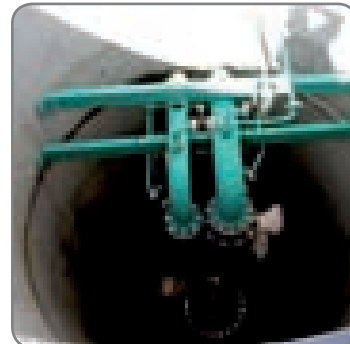
The Polar® range from Arctic is a convenient and portable Pipe Freezing system and uses a disposable canister of high performance freezing spray. The kits are supplied in high-strength carrying cases incorporating Gas canisters and Jackets for double freezes. A weighing scale is included to ensure optimum gas usage. A range of kits are available according to requirements. Gas canisters are available to order.



## Pipe Fabrication & Flanges

Supplying both direct and through a network of distributors into more than 100 different countries around the world, our scope of supply includes planning, designing, sourcing, training and contract documentation.

Our extensive knowledge of the piping industry allows us to supply pipe fabrications in Carbon Steel, Titanium and Super Duplex Stainless Steel.



- Various coatings include galvanising and FBE.



- Job book and installation manuals.
- Inspection Test Plan.
- Operation and Maintenance Manuals.
- Piping isometrics.
- Material take-off drawings.

## Couplings & Flange Adaptors and Dismantling Joints

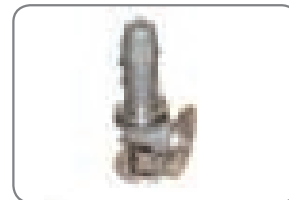


- Large Diameter Couplings, Flange Adaptors and Dismantling Joints to DN5000.
- Wide Range Couplings and Flange Adaptors to DN600 to join plain ended pipe.
- Underpressure Tees DN50 – DN600.



## Ductile Iron Fittings & Valves

- Ductile Iron Socketed DN80 – DN1600 Fittings to BS EN 545: 2002 for Potable Water and EN 598 for sewage and waste water.
- Ductile Iron Flange fittings as above.
- Ductile Iron PVC Socket fittings as above.

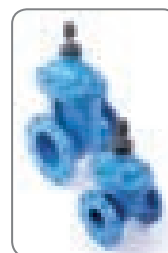


## Valves

- Gate, Butterfly, Non-Return, Ball, Pressure Reducing, Vacuum Relief, Fire Hydrants etc.

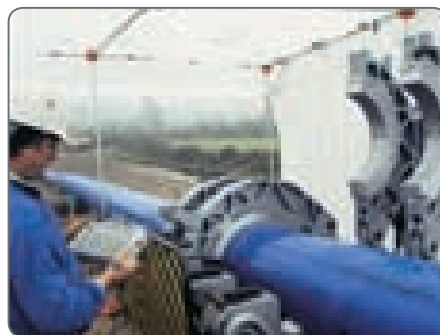
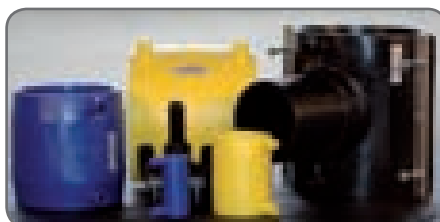
## Gate Valves

- Resilient Seat Gate Valves, WRAS Approved.
- EPDM Seat to BS 6920.
- Bubble tight shut off.
- Available with flanged or PVC Socket connection.



## PE Pipe & Fittings

- Electrofusion Fittings, Water PN 12.5 – PN16 Gas 6 – 10 Bar.
- Complete range of tooling available.
- PE 80 & PE 100.
- Polyethylene Pipe in SDR 11 – SDR 17.6.



## PVC-u Pipe & Fittings



- Metric and Imperial.
- WRAS Approved Products.
- Solvent Weld and Threaded Connection.
- Valves & Flanges.
- **Standards**

PVC-u Fittings (Inch)  
PVC-u Fittings (Metric)

BS4346 Part 1  
Din 8063  
UNI 7442/75  
ISO 727  
KIWA 54

PVC-u Fittings (Threaded)

BS 21  
DIN 2999  
ISO 7

PVC-u Pipe (Inch)  
PVC-u Pipe (Metric)  
Solvent Cement

B S 3 5 0 5 / 6  
DIN 8061/2  
BS 4346 Part 3

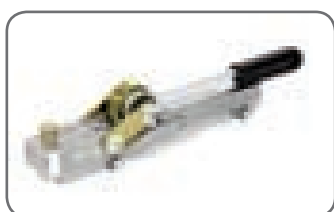
## Butt Fusion

### Fully Automatic Butt Fusion Machines

- Full range of Butt Fusion machines available, 63mm through to 630mm.
- Fully automatic machines programmed in 13 different languages.
- System capable of controlling the complete jointing process at all times.
- 100% successful joints every time.



## External Debeader



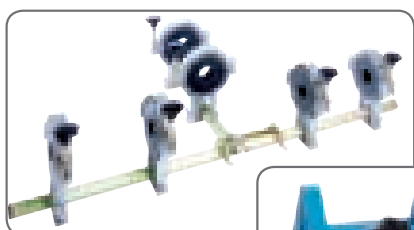
- Tool for removing external bead on PE, created by the fusion process on 75-400mm pipe.
- Simple to use with easy adjustment to pipe diameter.
- Replacement blades available.

## Electrofusion Boxes

- Robust construction and fully waterproof.
- Correct installation guaranteed every time.
- Easy to read LCD display.
- Various models available.



## PE Tooling



### 63 -180mm 3-Way Clamp

- Restraining clamp for larger diameter pipes designed to limit and control the movement of pipes whilst electrofusing PE.

### 16 -63mm Superclamp

- Used for straight and angle connections for pipe sizes 16-63mm.

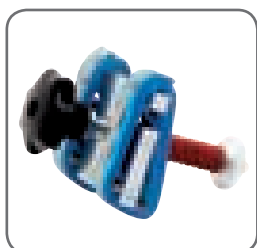
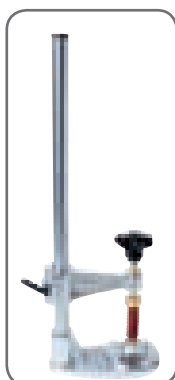


### Pillar and Strap Top Loading Clamps

- Maxifuse pressure clamps, both pillar type (63-250mm & 63-400mm) and strap type (63-500mm) available.

### Uniprep Mechanical Rotary Scrapers

- Various models available covering sizes from 63mm through to 400mm.

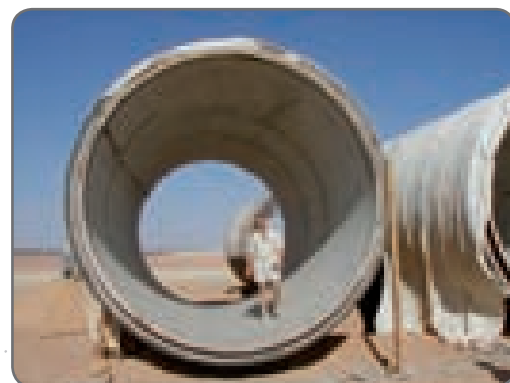




# Case Study

## The Great Man - Made River Project

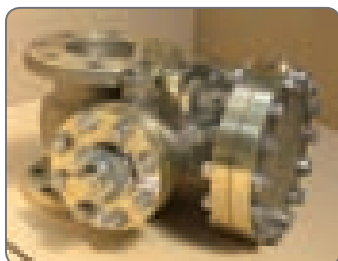
- The Great Man-Made River Project in Libya is the largest-ever Water Engineering project. When all five phases of the project are complete, the 4m diameter concrete pressurised pipelines will convey some 3.68 million cubic meters of water each day from the Nubian aquifers under the Southern Libyan Desert over several thousand kilometres to the highly populated coastal region.
- During Phase I of the project, Pipetech was contacted by Brown & Root (North Africa) to solve a problem which required Pipetech's Underpressure engineering expertise. This gave Pipetech the opportunity to demonstrate its innovative engineering capabilities and having solved that particular problem, the product has now been included in the standard specification for the subsequent Phases, which has led to Pipetech supplying a wide package of pipeline materials and equipment, manufactured and sourced, into Phase II and Phase III of the project.
- During a visit to undertake on-site training, a specific problem was brought to Pipetech's attention. Leaking Air Valves required replacement and this led to the development of the SUPAvalve. The SUPAvalve is a full-bore underpressure access valve that allows an entry point into a live main. Unlike conventional valves, all internal parts of the SUPAvalve can be changed Underpressure while the valve remains fully operational.



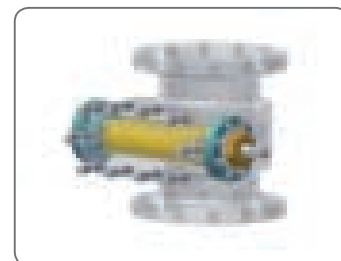
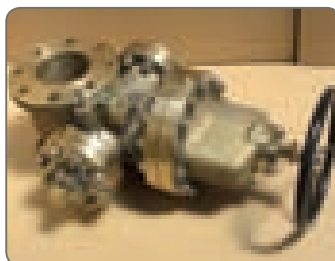
## SUPAvalve – Features & Benefits

- Guarantees Shutdown.
- Replaceable PTFE seals.
- Sizes up to 12" Full-Bore PN40.
- Available in Ferrous & Non-Ferrous materials.
- Entry point can be used for Bypass.
- Used where failure is NOT an option.
- Sampling, Pressure recording and Probe insertion.
- Air Scouring, Camera Inspection and Cable insertion.

6" PN40 Nickel Aluminium Bronze  
SUPAvalve in operational condition




6" PN40 Nickel Aluminium Bronze  
SUPAvalve with Valve Gate attached





# Drilling Machine Chart

Machine												
Capacity	1/2"-1"	1 1/4"-2"	1/2"-1"	1 1/4"-2"	1/2"-2"	1/2"-2"	1/2"-2"	1"-6"	4"-12"	8"-20"	90-180mm	1/2" - 2"
Operation	Drill & Tap	Drill & Tap	Drill	Drill	Drill & Tap	Drill	Drill	Drill	Drill	Drill	Drill	Drill & Tap
Working Pressure	20 Bar	20 Bar	16 Bar	16 Bar	20 Bar	16/25 Bar	16/25 Bar	16/25 Bar	16/30 Bar	16/40 Bar	16/25 Bar	2 Bar
Weight	15 kgs	34 kgs	2 kgs	4 kgs	25 kgs	3 kgs	5 kgs	6 kgs	100 kgs	135 kgs	12 kgs	5 kgs
Service Use	Water	Water	Water	Water	Water	Water & Gas	Water & Gas	Water & Gas	Water & Gas	Water & Gas	Water & Gas	Gas
Standard Traverse	8.5 cms	8.5 cms	10 cms	12 cms	8.5 cms	19 cms	27 cms	55 cms	50/100 cms	50/100 cms	75/150 cms	8.5 cms
Option for Increased Traverse	X	X	X	X	X	Y	Y	Y	Y	Y	Y	X
Recommended Pipe Range	2" - 48"	3" - 72"	3" - 16"	3" - 16"	2" - 72"	2" - 48"	2" - 48"	2" - 48"	4" - 72"	8" - 72"	90 - 180 saddles	2" - 24"
Drill Tap Shank	Talbot	Talbot/Pass	N/A	N/A	Pass/Talbot	N/A	N/A	N/A	N/A	N/A	N/A	Pass/Wask
Page Ref.	16	17	16	16	18	12	12	13	14	14	27	20

