



Hydrodif Products

Company Profile



Water Solution Specialists
www.hydrodif.co.uk

Tel: +44(0)1473 464546
Email: info@hydrodif.co.uk
Website: www.hydrodif.co.uk



Company History

Hydrodif® based in Ipswich UK was founded in 1999, we are suppliers of;

- **Compression Fittings**
- **Threaded Fittings**
- **PVC Valves**
- **Solvent Cement Fittings**
- **Pipe**
- **Glue and Tapes**
- **Tools**

We supply to both distributors and end users in the water industry and pride ourselves on competitive prices.

Hydrodif also manufacture the unique & approved range of **MDPE Universal Transition Compression Fittings**, designed to simplify the joining of MDPE pipe to pipe of a different material.



Water Solution Specialists
www.hydrodif.co.uk

Tel: +44(0)1473 464546
Email: info@hydrodif.co.uk
Website: www.hydrodif.co.uk



Hydrodif Fittings

We have a wide range of fittings and accessories in our product portfolio;



MDPE Standard Range



MDPE Universal Transition Compression fittings



PP - Compression Valves



PP—Threaded Hose Tails



uPVC Plastic Pipe



MDPE Pipe



PP - Threaded Fittings



PP- Clamp Saddles



PVC Imperial/Metric Fittings



Glues, Cements, Tools & Tape

Click the above images to visit our website 



Water Solution Specialists
www.hydrodif.co.uk

Tel: +44(0)1473 464546
Email: info@hydrodif.co.uk
Website: www.hydrodif.co.uk



WRAS Approved and Approvals



We pride ourselves that our products have **WRAS, ISO and NSF approvals** to give you confidence that our fittings are made to the best quality & will fulfil all your requirements & needs.

Look out for the WRAS approved logo on our website or contact us for more information on our other approvals.



*Please see website for full listing of WRAS approved products



Water Solution Specialists
www.hydrodif.co.uk

Tel: +44(0)1473 464546
Email: info@hydrodif.co.uk
Website: www.hydrodif.co.uk



Premium Plast Fitting

DESIGN HIGHLIGHTS

1st Nut shoulder ensures that pressing ring is held independent of grip ring



Step on grip ring ensures that it cannot pull out past the 2nd nut shoulder

Ribbed grip ring for low force entry & easier tightening

Premium nut provides extra grip and longer thread for easier assembly and strength



Grip and pressing rings snap together on smaller fittings for ease of assembly



O Ring seat shaped on smaller fittings to positively retain O ring



Generous engagement to ensure positive pipe alignment and seal under load

Pressing ring loads the O ring to make a **true compression fitting**

MDPE Standard Range

A full range of compression fittings for MDPE pipe from **Ø16mm to Ø110mm**.

The Premium Plast range of compression fittings are designed, manufactured and tested under a stringent ISO 9001:2000 quality control system to meet the requirements of ISO 14236. This incorporates the previous CEN & ISO standards and sets the test requirements that ensure an estimated working life of 50 years is achieved. A competitive alternative to other notable brands such as Philmack & Plasson.



Water Solution Specialists
www.hydrodif.co.uk

Tel: +44(0)1473 464546
Email: info@hydrodif.co.uk
Website: www.hydrodif.co.uk



MDPE Standard Range

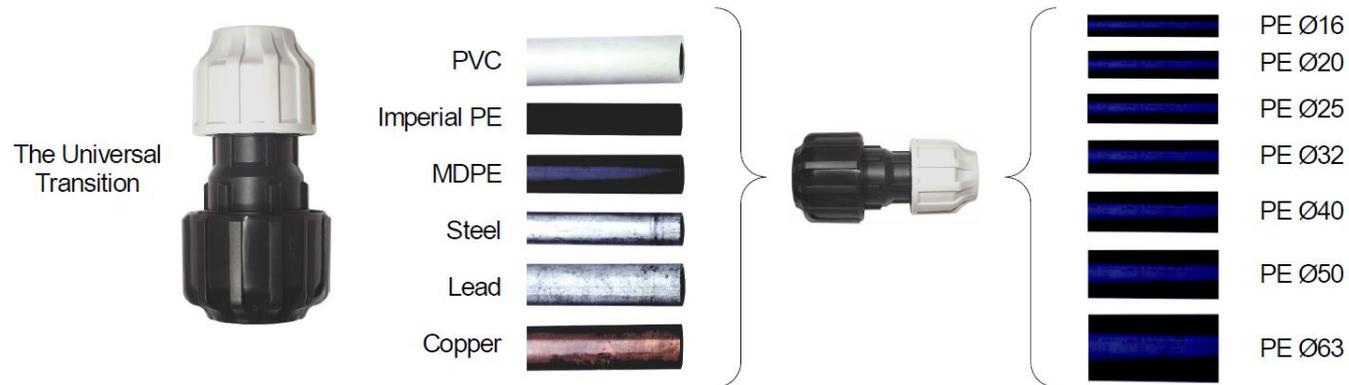
A full range of compression fittings for MDPE pipe from **Ø16mm to Ø110mm**, this line includes the following;

- **MDPE Couplers**
- **Reducing Couplers**
- **Reducing Inserts**
- **Female/Male Adapters**
- **90 elbow**
- **90 Female/Male Elbows**
- **90 Tee**
- **90 Female/Male Tee**
- **Wall Support**
- **Reducing Tee/Elbow**
- **Compression Flanges**
- **Slip Couplers and Pipe Liners**



PLAST Universal Kit & Fittings

The Universal STP Kit is compatible with any fitting, allowing transition between pipes of any material (Copper, Lead, PVC, PE, Iron, etc...) with diameters of 15mm to 35mm and polythene pipes

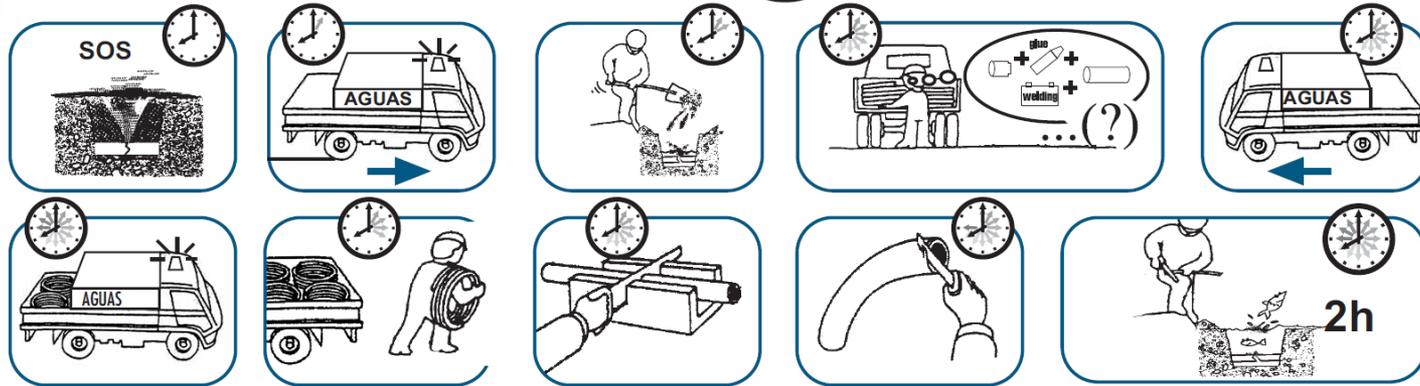


The fitting is supplied in a KIT that will fit onto any of the PLAST range of compression fittings of the appropriate size, including the valves. This allows for a comprehensive transition in any situation. Just remove the standard Nut, Grip Ring, Pressing Ring and O Ring, and substitute with the parts shown below. Instantly a transition is made. **No other adaptors are required.**

ONE KIT MAKES ANY PIPE FIT !

Save Time with the PLAST Universal

Without  **2h**



With  = **17'**



MDPE Universal Compression

A full range of WRAS approved MDPE Universal Transition Compression Fittings designed to simplify the joining of MDPE pipe to pipe of a different material. Transition **from Ø16 - Ø110 to Ø15mm with Ø50mm outside diameter**.

Our fittings are unique in that there is no need for adapters and every standard fitting of the appropriate body size can be converted into a universal transition.

Providing the ultimate in pipe connection flexibility, our universal transition fittings enable fast, easy, effective connections between MDPE pipe and most recognised pipe materials including Copper, Alkathene, PE, PVC, ABS, Stainless, Galvanised Iron and even Lead. Universal transition couplings also offer effective burst repair to most recognised pipe materials for ease of installation via a slip facility. All the body sizes 25mm to 50mm can be converted to Universal Transition fittings with the use of the four Universal Kits.



MDPE Universal Compression

A full range of compression fittings for MDPE pipe from **Ø16mm to Ø110mm** & wider than any other manufacturer, this line includes the following;

- **Universal trans Fittings kit**
- **Universal trans couplings**
- **Universal trans adapters**
- **Universal trans end caps**
- **Universal trans wall supports**
- **Universal trans flange**
- **Universal trans 90° elbows**
- **Universal trans 90° tees**
- **Universal trans repairing couplings**
- **Universal trans repairing Elbows**
- **Universal trans Repairing 90 tees**
- **Universal trans Repairing Male tee**
- **Universal trans Repairing Female tee**



PP – Compression Valves

A complimentary range of compression valves, which can be converted to the Universal Transition version. Various combinations available. Premium Plast valves are manufactured from Polypropylene, with an Acetal grip ring and EPDM/Nitrile rubber O rings.



PP – Compression Valves

A full range of PP- Compression Valves from **Ø16mm to Ø63mm**, this line includes the following;

- **Compression valves**
- **Male compression valves**
- **Female compression valves**
- **Universal trans compression valve**
- **Universal trans repairing compression valve**
- **Male/Female universal trans compression valves**
- **Compression check valves**
- **Male/female BSP compression check valves**



MDPE and uPVC Pipe

A range of **MDPE (PE80) water service pipes** in **blue** or **black** for potable water supplies above and below ground.

The BLUE MDPE pipe is suitable for potable water supply above & below ground. Available sizes: **20 to 32mm diameter and lengths of 25 to 100m.**

The BLACK MDPE pipe is suitable for potable water supplies above & below ground. It is also ideal for raw water, dirty water and sewage pumping. Available sizes: 20 to 32mm diameter and lengths of 20 to 100m.

All pipes are certified to BS-EN12201 (BS6572 & BS6730). 12.5bar SDR11.



UPVC plastic pipes metric and imperial for the construction of pipeline systems for fluids under pressure both for underground and above ground application available in **10, 12, 15 and 16 bar.**

They can be employed in the field of irrigation, aqueducts and industrial plants. Class D and E available and WRAS approved.

PP –Threaded Fittings

PP Threaded fittings from ½" to 3" which are made of polypropylene and boast excellent mechanical resistance to compression, traction and bending stress in addition to being resistant against corrosion. As a neutral non-toxic material it is suitable for conveying any liquid. Our threaded fittings operate at 80°C working temperature and will work at 10 bar at 20°C. All these fittings are compliant with the UNI ISO 228/1 standard.

- **Threaded nipple**
- **Threaded reducing nipple**
- **Threaded plug**
- **Threaded cap**
- **Socket**
- **Reducing socket**
- **Male reducer**
- **Female reducer**
- **Reducing bush male**
- **Reducing bush female**
- **90° bend Male**
- **90° bend female**
- **90° Female BSP equal tee**
- **Male tank connectors**



PP – Clamp Saddles

PP clamp saddles from 20mm to 315mm - single & double outlet, reinforced and unreinforced.



**Reinforced Clamp
Saddle**



**Unreinforced Clamp
Saddle**



**Large diameter Saddles
up to 315mm**

PP – Threaded Hose Tails

PP Threaded Hose Tails.



Female Hosetail



Male Hosetail



Male Hosetail 90°
Elbow



Female Hosetail 90° Elbow

PVC - Valves

A full range of metric and imperial valves for PVC-U pressure pipe which are solvent cement welded or threaded.

PVC-U valves offer resistance to a wide range of chemicals, in addition to offering high impact and high tensile strength. Easily assembled with perfect sealing under all conditions, our PVC valve range can be used for a wide range of applications and operates at a working temperature of 20°C and a pressure of up to 16 bar, dependent on size.



PVC - Valves

A full range of metric and imperial valves for PVC-U pressure pipe which are solvent cement welded or threaded. This line includes the following;

- Solvent Cement Double Union Ball valves (metric/imperial)
- Three way ball valve
- Glued check valve
- Threaded cap
- PVC threaded double union ball valve
- PVC threaded check valves
- PVC check valves
- PVC check valves solvent
- Butterfly valves
- PVC single union ball valves (metric/imperial)
- PVC foot valves (metric/imperial)
- PVC butterfly valve kit (metric/imperial)
- PVC wafer check valves
- PVC air relief valve male



PVC Metric Fittings

We supply a variety of PVC-U Metric solvent cement welded fittings. Our stock ranges from 16mm to 400mm all of which are 16 bar rated. An extremely smooth internal surface allows for high level flow characteristics without the accumulation of deposits such as sediment. This line includes the following;

- **3 piece union for PVC metric pipe**
- **45° elbow/tee for PVC metric pipe**
- **90° elbow/tee for PVC metric pipe**
- **Backing ring for PVC metric pipe**
- **Conical reducing socket**
- **Cross for PVC metric pipe**
- **End cap PVC metric pipe**
- **Flange adapter**
- **Full face fixed flange**
- **Reducing bush**
- **Reducing elbow 45° for PVC metric pipe**
- **Socket for PVC metric pipe**
- **Transition socket for PVC pipe**
- **PP pipe clip open/closed**
- **BSP fittings – Bush, Sockets, tees, adapters, unions, elbows and reducing tees**



PVC Imperial Fittings

A full range of Imperial fittings for PVC-u pressure pipe. Individual special application valves and kits are available. Temperature range from 0°C to 60°C. The high level chemical properties of Polyvinyl Chloride Unplasticised allow for resistance across a large spectrum of pressures and heat levels. PVC is an extremely common thermoplastic material applied in both domestic and industrial pipework installations. Easy to install and fit, these are the best product to use in potable water systems. This line includes the following;

- **3 piece union for PVC metric pipe**
- **45° elbow/tee for PVC metric pipe**
- **90° elbow/tee for PVC metric pipe**
- **Backing ring for PVC metric pipe**
- **Conical reducing socket**
- **Cross for PVC metric pipe**
- **End cap PVC metric pipe**
- **Flange adapter**
- **Full face fixed flange**
- **Reducing bush**
- **Reducing elbow 45° for PVC metric pipe**
- **Socket for PVC metric pipe**
- **Transition socket for PVC pipe**
- **PP pipe clip open/closed**
- **BSP fittings – Bush, Sockets, tees, adapters, unions, elbows and reducing tees**



Glues, Cements, Tools and Tape

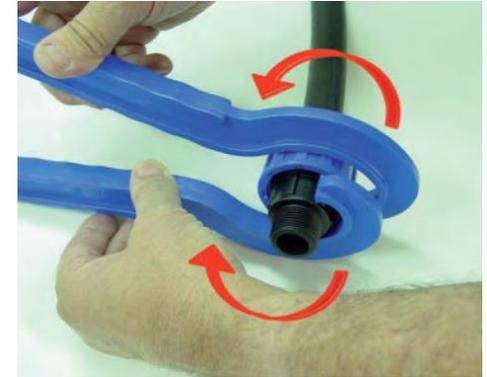
- Sealing Tape
- Solvent Cement Glue
- Cleaning Solvent
- Wet & Dry PVC and ABS Cement



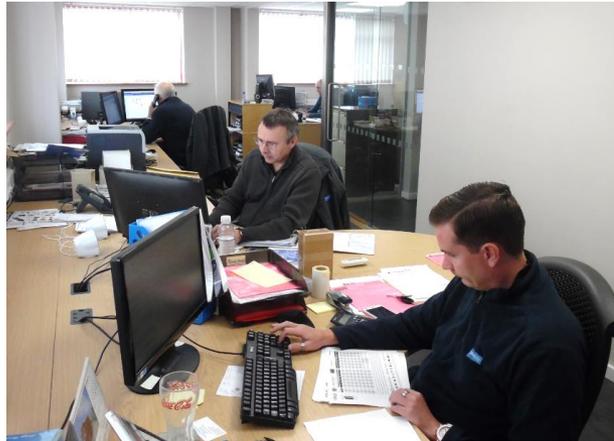
High Tech Solution for a Perfect Joint

Tools and Wrenches

- Wrench Tools for MDPE
- Metallic Wrench for 32 to 63mm
- Manhole Key with Interchangeable tips
- Manhole Cover Seal Breaker



Technical Support & Solutions



At Hydrodif we have over **20 years experience** in the water industry. Our technical staff can assist you with your application and answer your technical questions.

If you need one water fitting or a complete water system we can advise and help you with your enquiry.

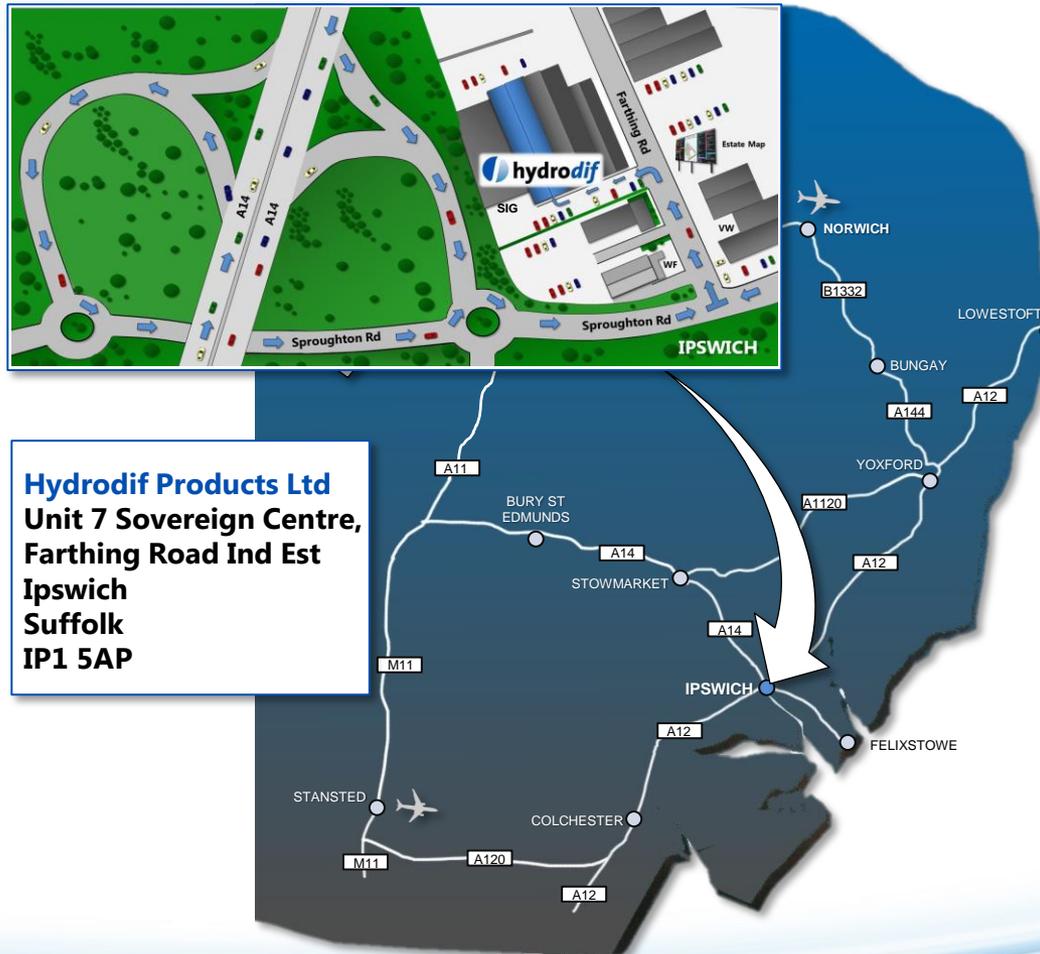


Water Solution Specialists
www.hydrodif.co.uk

Tel: +44(0)1473 464546
Email: info@hydrodif.co.uk
Website: www.hydrodif.co.uk



How to Find us



Hydrodif Products Ltd
Unit 7 Sovereign Centre,
Farthing Road Ind Est
Ipswich
Suffolk
IP1 5AP



Water Solution Specialists
www.hydrodif.co.uk

Tel: +44(0)1473 464546
Email: info@hydrodif.co.uk
Website: www.hydrodif.co.uk





Hydrodif Products Ltd

Unit 7 Sovereign Centre
Farthing Road Industrial Estate
Ipswich, Suffolk
IP1 5AP

Tel: +44 (0) 1473 464546 / 463546

Fax: +44 (0) 1473 462146

Email: info@hydrodif.co.uk

www.hydrodif.co.uk

© Copyright Hydrodif Products Ltd , we reserve the right to modify and make adaptations to technical specifications and information at our discretion.

 **hydrodif**® **Water Solution Specialists**
www.hydrodif.co.uk

Tel: +44(0)1473 464546
Email: info@hydrodif.co.uk
Website: www.hydrodif.co.uk

