



# Instantor<sup>®</sup>

Superior Plumbing Products  
for **Professional Plumbers**  
Since 1926

06.26

# Superior Plumbing Products

## Superior Plumbing Products for Professional Plumbers Since 1926

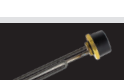
Instantor is renowned for innovative, quality assured plumbing solutions and has been supplying the trade in Ireland for 100 years. It all began at St James Gate, Dublin with the creation of the first brass compression fitting. Today, Instantor are market leaders in press solutions, delivering reliable and easy to install product to the plumbing and heating industry across the UK & Ireland.



Make the connection with us socially



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## OUR LATEST PRODUCT LAUNCH



# Instantor®

## Underfloor Heating

## EXPERTISE YOU CAN RELY ON

With over 100 years of plumbing and heating expertise, Instantor has launched a complete underfloor heating solution designed for reliability, efficiency, and ease of installation.

Trusted by professionals across Ireland and the UK, Instantor delivers systems that are rigorously tested, fully certified, and supported by industry-leading warranties.

Built on quality, compliance, and sustainability, Instantor underfloor heating combines technical innovation with installer-focused design, giving professionals confidence on every project from first fix to final handover.

### KEY BENEFITS

- Proven performance backed by decades of industry expertise
- Fast, straightforward installation designed for efficiency on site
- Fully certified systems compliant with current Building Regulations
- High-quality components tested for long-term reliability
- Complete integrated UFH solution from a trusted brand
- Comprehensive warranty support for added peace of mind



Explore Instantor Underfloor Heating





# DESIGNED BY INSTALLERS, FOR INSTALLERS

It's very easy for manufacturers to create and release a new product. But, it's not much use if the product is the same as every other version available on the market. At Instantor, we're not here to reinvent the wheel – we're here to make it roll smoother. That's why we don't just create products; we partner with installers like you to build plumbing solutions that actually solve the everyday challenges you face.

You've probably heard us say, "designed by installers, for installers," but what does that really mean? It means we listen – properly listen – to what's happening on-site. You're the experts in the field, dealing with the same old problems day in, day out, and that's what drives our innovation. Need a tweak here? A new feature there? You help us figure out what's next. And when we're testing new prototypes, we're not only doing it at our testing lab – we're doing it where it counts: in the hands of real installers, in real-world conditions.

But we're not stopping there. We're taking it a step further by joining key industry associations like the Association of Plumbing & Heating Contractors, the Chartered Institute of Plumbing & Heating Engineering, and SNIPEF. Being part of these groups helps us stay on top of industry updates, and it means we can connect directly with you – the people who know what's really going on out there.





# TRY IT, TEST IT, TRUST IT: DON'T MISS INSTANTOR DEMO DAYS

We know that nothing beats seeing a product in action to really witness its potential. After all, plumbing supplies can often come at an expense, which is why it's important to 'try before you buy' so you can feel confident in your investment.

That's why our demo days feature live product demonstrations with the experts. Watch as we put Instantor fittings & tools through their paces and show you exactly what they can do.

It's the perfect chance to ask those nitty-gritty questions and see how our gear handles real-life demands. This is your chance to get hands-on experience. Grab the tools yourself, test out the features, and see how they hold up in your hands.

Plus, we're sweetening the deal. Demo Day attendees get exclusive offers on the spot, so if you're ready to take a tool home, you'll be walking away with more value in your pocket.

So, bring your questions, bring your curiosity, and bring yourself to an Instantor Demo Day. We're here to make sure you're as confident with our tools as we are.



REGISTER YOUR INTEREST  
FOR TRAINING





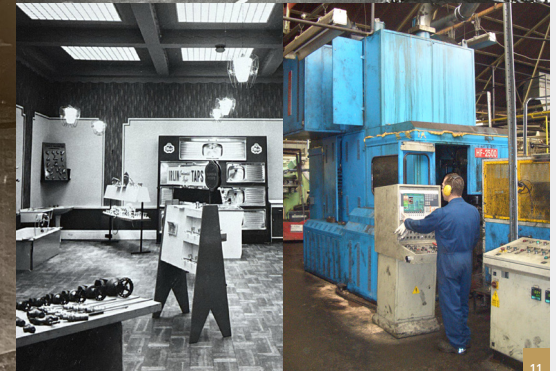
# BUILT ON A CENTURY OF **EXPERTISE**, INSTANTOR IS A **TRUSTED** NAME IN PLUMBING **INNOVATION**

Founded in 1926, Instantor began its journey from a foundry at St James's Gate in Dublin, just steps from the iconic Guinness Brewery. From the very start, we established a reputation for engineering excellence and innovation. That same year, we patented the original brass compression fitting, setting a new benchmark for reliability and ease of installation - a legacy that continues to shape the industry today.

Over the past 100 years, we have consistently driven progress in the plumbing and heating sector, evolving from a pioneering manufacturer into a premium brand synonymous with installation efficiency, safety, and performance.

Innovation is at the heart of Instantor's DNA and this has played a pivotal role in simplifying plumbing and heating installations, offering solutions that save installers both time and money.

Our comprehensive portfolio of press solutions delivers a safer, faster, and more reliable way to join pipework, providing quality-assured, "fit-and-forget" installations backed by guarantees of up to 50 years.







# Instantor<sup>®</sup>

## Press System

**INSTANTOR**  
LEAK BEFORE PRESS

**50**  
YEAR  
WARRANTY

### Introducing Leak Before Press – Your Built-In Safety Net.

**LBP**

#### Because nobody wants a callback.

Every installer knows the pressure of tight deadlines and the risks that come with a single missed press. One unsealed fitting can lead to water damage, customer complaints, and costly callbacks. That's why Instantor has introduced a Leak Before Press (LBP) option to its Press System solutions, a smart, fail-safe feature that gives you peace of mind on every job.

In water-based applications, LBP fittings are designed to visibly leak under low pressure if they haven't been pressed. This creates an immediate visual alert, allowing you to identify and correct any missed fittings before leaving the site. It's a simple yet highly effective way to catch small mistakes early and avoid major headaches later.

The new LBP Press Fittings are an alternative option to the original, trusted Instantor Press Fittings, with no compromise on the quality or durability you expect. Manufactured from CW617N brass and 304 stainless steel, these fittings are built to last and deliver a tight, secure, and guaranteed leak-free seal. They're available in sizes up to 32mm and pair perfectly with our Instantor Pex-Al-Pex pipe.

By helping you spot issues before they cause problems, LBP fittings save valuable time on every install. Backed by a 50-year warranty on both fittings and pipe, this is another example of how Instantor is committed to delivering smarter, safer, and more efficient plumbing solutions.







# Instantor®

## Press System

### FEATURES

- **FAIL-SAFE DESIGN** - Unpressed joints leak by design, providing instant visual alert
- **FAST ISSUE DETECTION** - Easily spot and press missed connections before handover
- **REDUCED CALLBACKS** - Helps eliminate hidden leaks and post-installation issues
- **TIME-SAVING SOLUTION** - Simple enhancement that adds major peace of mind
- **DURABLE BUILD** - Made from CW617N brass and 304 stainless steel for long-term reliability
- **COMPATIBLE SIZING** - Available in sizes up to 32mm to suit a range of installations

LBP

### INSTALLATION INSTRUCTIONS



CUT

1. Cut the pipe squarely to desired length using an appropriate cutting tool.



CALIBRATE

2. Insert the reamer into the cut pipe and rotate, pushing slightly to remove all burrs and rough edges.  
NOTE - A poorly calibrated pipe could damage the O-Rings on insertion.



PRESS

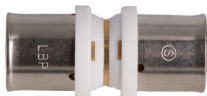
3. Connect the pipe and fittings and check pipe is fully inserted in the inspection windows. The white of the pipe must be visible through these holes.  
DO NOT USE SEALING AGENTS SUCH AS PTFE TAPE OR JOINTING COMPOUND.  
Use TH Profile Jaws to press.

### TECHNICAL SUMMARY

- **Max Operating Pressure:** 10 bar
- **Max Operating Temperature:** 95°C
- **Max Peak Temperature** (at 1 hour) : 110°C
- **Application Class:** 2/6 bar, class 5/6 bar
- **Profile:** TH



### LBP IP10 Straight Coupler



| CODE       | SIZE | PACK QTY |
|------------|------|----------|
| IP10001LBP | 16mm | 10       |
| IP10002LBP | 20mm | 10       |
| IP10003LBP | 26mm | 10       |
| IP10004LBP | 32mm | 10       |

### LBP IP10 Straight Reducer



| CODE       | SIZE        | PACK QTY |
|------------|-------------|----------|
| IP10021LBP | 20mm x 16mm | 10       |
| IP10031LBP | 26mm x 16mm | 10       |
| IP10032LBP | 26mm x 20mm | 10       |
| IP10042LBP | 32mm x 20mm | 10       |
| IP10043LBP | 32mm x 26mm | 10       |

### LBP IP11 Straight Coupler M.I



| CODE       | SIZE            | PACK QTY |
|------------|-----------------|----------|
| IP11001LBP | 1/2" M x 16mm   | 10       |
| IP11002LBP | 3/4" M x 20mm   | 10       |
| IP11003LBP | 1" M x 26mm     | 10       |
| IP11004LBP | 1 1/4" M x 32mm | 10       |
| IP11012LBP | 1/2" M x 20mm   | 10       |
| IP11021LBP | 3/4" M x 16mm   | 10       |
| IP11023LBP | 3/4" M x 26mm   | 10       |
| IP11032LBP | 1" M x 20mm     | 10       |
| IP11034LBP | 1" M x 32mm     | 10       |

### LBP IP12 Straight Coupler F.I



| CODE       | SIZE            | PACK QTY |
|------------|-----------------|----------|
| IP12001LBP | 1/2" F x 16mm   | 10       |
| IP12002LBP | 3/4" F x 20mm   | 10       |
| IP12003LBP | 1" F x 26mm     | 10       |
| IP12004LBP | 1 1/4" F x 32mm | 10       |
| IP12012LBP | 1/2" F x 20mm   | 10       |
| IP12021LBP | 3/4" F x 16mm   | 10       |
| IP12023LBP | 3/4" F x 26mm   | 10       |
| IP12032LBP | 1" F x 20mm     | 10       |
| IP12034LBP | 1" F x 32mm     | 10       |

### LBP IP13 Adaptor



| CODE       | SIZE          | PACK QTY |
|------------|---------------|----------|
| IP13001LBP | 1/2" C x 16mm | 10       |
| IP13002LBP | 3/4" C x 20mm | 10       |
| IP13021LBP | 3/4" C x 16mm | 10       |
| IP13023LBP | 3/4" C x 26mm | 10       |
| IP13033LBP | 1" C x 26mm   | 10       |
| IP13034LBP | 1" C x 32mm   | 10       |
| IP13011LBP | 15mm C x 16mm | 10       |
| IP13012LBP | 22mm C x 20mm | 10       |
| IP13223LBP | 22mm C x 26mm | 10       |
| IP13035LBP | 28mm C x 32mm | 10       |

### LBP IP13 Elbow Adaptor



| CODE        | SIZE          | PACK QTY |
|-------------|---------------|----------|
| IP13101ALBP | 1/2" C x 16mm | 10       |
| IP13102ALBP | 3/4" C x 20mm | 10       |
| IP13110ALBP | 15mm C x 16mm | 10       |

### LBP IP14 Spigot



| CODE       | SIZE            | PACK QTY |
|------------|-----------------|----------|
| IP14001LBP | 16mm x 1/2"     | 10       |
| IP14002LBP | 20mm x 3/4"     | 10       |
| IP14003LBP | 26mm x 3/4"     | 10       |
| IP14004LBP | 26mm x 1"       | 10       |
| IP14011LBP | 16mm x 15mm     | 10       |
| IP14022LBP | 20mm x 22mm     | 10       |
| IP14033LBP | 26mm x 22mm     | 10       |
| IP14044LBP | 26mm x 28mm     | 10       |
| IP14046LBP | 32mm x 28mm     | 10       |
| IP14047LBP | 32mm Press x 1" | 10       |

### LBP IP15 Elbow



| CODE       | SIZE | PACK QTY |
|------------|------|----------|
| IP15001LBP | 16mm | 10       |
| IP15002LBP | 20mm | 10       |
| IP15003LBP | 26mm | 10       |
| IP15004LBP | 32mm | 10       |

### LBP IP15 45 Degree Elbow



| CODE    | SIZE | PACK QTY |
|---------|------|----------|
| IP15044 | 32mm | 10       |

### LBP IP15 Radiator Extension Elbow



| CODE       | SIZE         | PACK QTY |
|------------|--------------|----------|
| IP15010LBP | 16mm x 300mm | 10       |
| IP15011LBP | 16mm x 100mm | 10       |

### LBP IP16 Elbow M.I



| CODE       | SIZE            | PACK QTY |
|------------|-----------------|----------|
| IP16001LBP | 1/2" M x 16mm   | 10       |
| IP16002LBP | 3/4" M x 20mm   | 10       |
| IP16003LBP | 1" M x 26mm     | 10       |
| IP16004LBP | 1 1/4" M x 32mm | 10       |
| IP16023LBP | 3/4" M x 26mm   | 10       |
| IP16032LBP | 1 M x 20mm      | 10       |
| IP16034LBP | 1" M x 32mm     | 10       |

### LBP IP17 Elbow F.I



| CODE       | SIZE            | PACK QTY |
|------------|-----------------|----------|
| IP17001LBP | 1/2" F x 16mm   | 10       |
| IP17002LBP | 3/4" F x 20mm   | 10       |
| IP17003LBP | 1" F x 26mm     | 10       |
| IP17004LBP | 1 1/4" F x 32mm | 10       |
| IP17012LBP | 1/2" F x 20mm   | 10       |
| IP17013LBP | 1/2" F x 26mm   | 10       |
| IP17023LBP | 3/4" F x 26mm   | 10       |
| IP17034LBP | 1" F x 32mm     | 10       |

### LBP IP18 Equal Tee



| CODE       | SIZE | PACK QTY |
|------------|------|----------|
| IP18001LBP | 16mm | 10       |
| IP18002LBP | 20mm | 10       |
| IP18003LBP | 26mm | 10       |
| IP18004LBP | 32mm | 10       |

Note: Products produced from brass are NOT suitable for use underground.

Note: Products produced from brass are NOT suitable for use underground.



### LBP IP18 Reducing Tee



| CODE       | SIZE           | PACK QTY |
|------------|----------------|----------|
| IP18112LBP | 16 x 16 x 20mm | 10       |
| IP18211LBP | 20 x 16 x 16mm | 10       |
| IP18212LBP | 20 x 16 x 20mm | 10       |
| IP18221LBP | 20 x 20 x 16mm | 10       |
| IP18223LBP | 20 x 20 x 26mm | 10       |
| IP18311LBP | 26 x 16 x 16mm | 10       |
| IP18313LBP | 26 x 16 x 26mm | 10       |
| IP18321LBP | 26 x 20 x 16mm | 10       |
| IP18322LBP | 26 x 20 x 20mm | 10       |
| IP18323LBP | 26 x 20 x 26mm | 10       |
| IP18331LBP | 26 x 26 x 16mm | 10       |
| IP18332LBP | 26 x 26 x 20mm | 10       |
| IP18334LBP | 26 x 26 x 32mm | 10       |
| IP18414LBP | 32 x 16 x 32mm | 10       |
| IP18424LBP | 32 x 20 x 32mm | 10       |
| IP18432LBP | 32 x 26 x 20mm | 10       |
| IP18433LBP | 32 x 26 x 26mm | 10       |
| IP18434LBP | 32 x 26 x 32mm | 10       |
| IP18441LBP | 32 x 32 x 16mm | 10       |
| IP18442LBP | 32 x 32 x 20mm | 10       |
| IP18443LBP | 32 x 32 x 26mm | 10       |

### LBP IP19 Wallplate Elbow



| CODE       | SIZE          | PACK QTY |
|------------|---------------|----------|
| IP19001LBP | 1/2" F x 16mm | 10       |
| IP19012LBP | 1/2" F x 20mm | 10       |

### LBP IP20 Press Adaptor to Copper Compression



| CODE       | SIZE        | PACK QTY |
|------------|-------------|----------|
| IP20060LBP | 16mm x 1/2" | 10       |
| IP20061LBP | 16mm x 15mm | 10       |
| IP20062LBP | 3/4" x 20mm | 10       |
| IP20063LBP | 3/4" x 26mm | 10       |
| IP20065LBP | 22 x 26mm   | 10       |
| IP20634LBP | 32 x 28mm   | 10       |
| IP20642LBP | 32mm x 3/4" | 10       |
| IP20643LBP | 32mm x 1"   | 10       |

### LBP IP21 Press Adaptor to Copper Press



| CODE       | SIZE        | PACK QTY |
|------------|-------------|----------|
| IP21001LBP | 16mm x 15mm | 10       |
| IP21002LBP | 20mm x 22mm | 10       |
| IP21003LBP | 26mm x 28mm | 10       |
| IP21004LBP | 16mm x 1/2" | 10       |
| IP21005LBP | 20mm x 3/4" | 10       |
| IP21006LBP | 26mm x 1"   | 10       |
| IP21012LBP | 20mm x 15mm | 10       |
| IP21034LBP | 32mm x 28mm | 10       |

### LBP IP27 Tap Connector



| CODE       | SIZE        | PACK QTY |
|------------|-------------|----------|
| IP27001LBP | 1/2" x 16mm | 10       |
| IP27002LBP | 1/2" x 20mm | 10       |

### LBP IP30 Tee



| CODE       | SIZE             | PACK QTY |
|------------|------------------|----------|
| IP30001LBP | 16 x 16 x 1/2" F | 10       |
| IP30002LBP | 20 x 20 x 3/4" F | 10       |
| IP30003LBP | 26 x 26 x 1" F   | 10       |
| IP30331LBP | 26 x 26 x 1/2" F | 10       |
| IP30443LBP | 32 x 32 x 1" F   | 10       |

### LBP IP50 Tank Connector

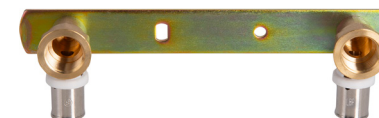


| CODE       | SIZE      | PACK QTY |
|------------|-----------|----------|
| IP50003LBP | 1" x 26mm | 10       |

### LBP IP51 Stop End



| CODE       | SIZE | PACK QTY |
|------------|------|----------|
| IP51001LBP | 16mm | 10       |
| IP51002LBP | 20mm | 10       |
| IP51003LBP | 26mm | 10       |
| IP51004LBP | 32mm | 10       |



### LBP Shower Bracket

| CODE       | SIZE | PACK QTY |
|------------|------|----------|
| IP93001LBP | 16mm | 10       |

### LBP Isolating Valve



| CODE        | SIZE            | PACK QTY |
|-------------|-----------------|----------|
| IP711051LBP | 16mm x 1/2" M.I | 10       |

### LBP Stop Cock



| CODE        | SIZE | PACK QTY |
|-------------|------|----------|
| IP771022LBP | 20mm | 10       |

COMING AUTUMN 2026



# Instantor<sup>®</sup>

## Press System

### INSTANTOR PPSU PRESS FITTINGS



#### Press Fittings Built For Faster, Safer Installs.

The new Instantor PPSU Press fitting range is designed to help you work faster, safer, and with complete confidence on every job.

Featuring Leak Before Press (LBP) Technology, unpressed fittings can be quickly identified during low-pressure testing before commissioning, helping reduce costly mistakes and call backs.

Compatible with both TH and U profile press jaws, the range fits seamlessly into your existing setup with no expensive retooling required.

Manufactured from lead-free PPSU material, these fittings are built to handle demanding water conditions, resisting scale, corrosion, chlorine, and disinfectants while maintaining strong flow performance over time.

Available in 16 mm to 32 mm sizes for a wide range of plumbing applications.





### PP10 Straight Coupler



| CODE        | SIZE | PACK QTY |
|-------------|------|----------|
| PP10001LBPM | 16mm | 10       |
| PP10002LBPM | 20mm | 10       |
| PP10003LBPM | 26mm | 10       |
| PP10004LBPM | 32mm | 10       |

### PP10 Straight Reducer



| CODE        | SIZE        | PACK QTY |
|-------------|-------------|----------|
| PP10021LBPM | 20mm x 16mm | 10       |
| PP10031LBPM | 26mm x 16mm | 10       |
| PP10032LBPM | 26mm x 20mm | 10       |
| PP10042LBPM | 32mm x 20mm | 10       |
| PP10043LBPM | 32mm x 26mm | 10       |

### PP11 Straight Coupler M.I x PIPE



| CODE        | SIZE            | PACK QTY |
|-------------|-----------------|----------|
| PP11001LBPM | 1/2" M x 16mm   | 10       |
| PP11012LBPM | 1/2" M x 20mm   | 10       |
| PP11002LBPM | 3/4" M x 20mm   | 10       |
| PP11023LBPM | 3/4" M x 26mm   | 10       |
| PP11003LBPM | 1" M x 26mm     | 10       |
| PP11004LBPM | 1 1/4" M x 32mm | 10       |

### PP12 Straight Coupler F.I. X PIPE



| CODE        | SIZE            | PACK QTY |
|-------------|-----------------|----------|
| PP11001LBPM | 1/2" F x 16mm   | 10       |
| PP11012LBPM | 1/2" F x 20mm   | 10       |
| PP11002LBPM | 3/4" F x 20mm   | 10       |
| PP11003LBPM | 1" F x 26mm     | 10       |
| PP11004LBPM | 1 1/4" F x 32mm | 10       |

### PP15 90° Elbow



| CODE        | SIZE | PACK QTY |
|-------------|------|----------|
| PP15001LBPM | 16mm | 10       |
| PP15002LBPM | 20mm | 10       |
| PP15003LBPM | 26mm | 10       |
| PP15004LBPM | 32mm | 10       |

### PP16 Elbow M.I. X PIPE



| CODE        | SIZE          | PACK QTY |
|-------------|---------------|----------|
| PP16001LBPM | 1/2" M x 16mm | 10       |
| PP16012LBPM | 1/2" M x 20mm | 10       |

### PP17 Elbow F.I. X PIPE



| CODE        | SIZE          | PACK QTY |
|-------------|---------------|----------|
| PP17001LBPM | 1/2" F x 16mm | 10       |
| PP17012LBPM | 1/2" F x 20mm | 10       |

### PP18 Equal Tee



| CODE        | SIZE | PACK QTY |
|-------------|------|----------|
| PP18001LBPM | 16mm | 10       |
| PP18002LBPM | 20mm | 10       |
| PP18003LBPM | 26mm | 10       |
| PP18004LBPM | 32mm | 10       |

### PP18 Reducing Tee



| CODE        | SIZE           | PACK QTY |
|-------------|----------------|----------|
| PP18112LBPM | 16 x 16 x 20mm | 10       |
| PP18211LBPM | 20 x 16 x 16mm | 10       |
| PP18212LBPM | 20 x 16 x 20mm | 10       |
| PP18221LBPM | 20 x 20 x 16mm | 10       |
| PP18223LBPM | 20 x 20 x 26mm | 10       |
| PP18313LBPM | 26 x 16 x 26mm | 10       |
| PP18322LBPM | 26 x 20 x 20mm | 10       |
| PP18323LBPM | 26 x 20 x 26mm | 10       |
| PP18331LBPM | 26 x 26 x 16mm | 10       |
| PP18332LBPM | 26 x 26 x 20mm | 10       |
| PP18334LBPM | 26 x 26 x 32mm | 10       |
| PP18442LBPM | 32 x 32 x 20mm | 10       |
| PP18443LBPM | 32 x 32 x 26mm | 10       |

### PP19 Wallplate Elbow



| CODE        | SIZE          | PACK QTY |
|-------------|---------------|----------|
| PP19001LBPM | 1/2" F x 16mm | 10       |
| PP19021LBPM | 1/2" F x 20mm | 10       |

### PP51 Stop End

| CODE        | SIZE | PACK QTY |
|-------------|------|----------|
| PP51001LBPM | 16mm | 10       |
| PP51002LBPM | 20mm | 10       |
| PP51003LBPM | 26mm | 10       |

Note: Products produced from brass are NOT suitable for use underground.

Note: Products produced from brass are NOT suitable for use underground.



# Instantor<sup>®</sup>

## Pex-Al-Pex Pipe

INSTANTOR  
PEX-AL-PEX PIPE

50  
YEAR  
ANNIVERSARY

### The Pipe That Works As Hard As You Do.

We know your time is valuable, and the last thing you need is a pipe that doesn't perform. That's why Instantor Pex-Al-Pex multilayer pipe is built to give you reliability you can trust, whether you're tackling potable water, underfloor heating, or general plumbing and heating installations.

Certified to EN ISO 21003 and WRAS-approved, this pipe combines the durability of metal with the flexibility of plastic. Its aluminium layer keeps its shape after bending, while the PE-xB inner layer ensures total hygiene and corrosion resistance.

No call backs, no headaches –  
just a robust solution that gets the job done.







# Instantor<sup>®</sup>

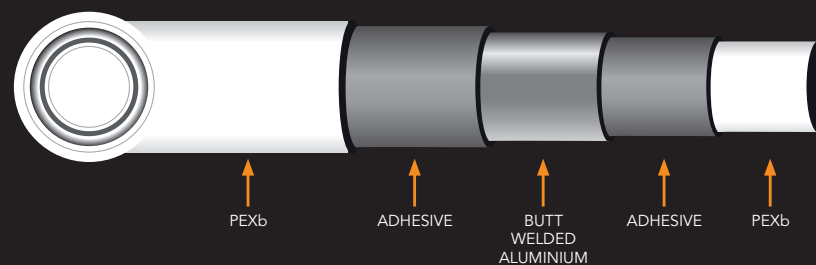
## Pex-Al-Pex Pipe

### FEATURES

- **FLEXIBLE PIPE** - Lightweight pipe that maintains its memory when bent
- **BUTT WELDED** - Providing a solid & resilient finish which is 100% oxygen & water vapour tight
- **DURABLE** - Withstands high temperatures up to 95°C
- **VERSATILE** - Suitable for use in underfloor heating, potable water & most general plumbing applications
- **DIVERSE RANGE** - Available from 16mm-63mm in plain and insulated options

### TECHNICAL SUMMARY

- **Max Operating Pressure:** 10 bar
- **Max Operating Temperature:** 95°C
- **Max Peak Temperature (at 1 hour):** 110°C
- **Application Class:** 2/6 bar, class 5/6 bar
- **Profile:** TH
- **WRAS Approval:** #2304341





# Instantor®

## Pex-Al-Pex Pipe

### Product Overview

**INSTANTOR® Pex-Al-Pex** (PE-xB/Al/PE-xB) is a multilayer pipe NSAI Certified to EN ISO 21003 and WRAS approved, combining all the advantages of metal and plastic pipe.

This pipe is constructed with a double inner and outer layer of Silane method crosslinked polyethylene PE-xB, then bound by quality adhesive to a longitudinally TIG butt welded

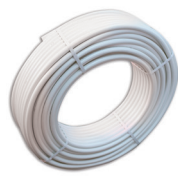
100% oxygen tight aluminium layer. It is this aluminium layer that allows the pipe to maintain its shape after bending. Total hygiene and high corrosion resistance is ensured as fluids come in contact with the inner PE-xB layer only.

**MULTI APPLICATIONS: Potable water, underfloor heating and all general plumbing and heating applications.**



### INSTANTOR® PEXB/AL/PEXB Pipe Lengths

| CODE    | SIZE      | BUNDLE QTY |
|---------|-----------|------------|
| IPAP111 | 16mm x 4M | 50         |
| IPAP112 | 20mm x 4M | 35         |
| IPAP113 | 26mm x 4M | 20         |
| IPAP114 | 32mm x 4M | 12         |
| IPAP115 | 40mm x 4M | 6          |
| IPAP116 | 50mm x 4M | 5          |
| IPAP117 | 63mm x 4M | 5          |



### INSTANTOR® PEXB/AL/PEXB Pipe Coils

| CODE    | SIZE        | PALLET QTY |
|---------|-------------|------------|
| IPAP101 | 16mm x 100M | 10         |
| IPAP102 | 20mm x 100M | 10         |
| IPAP103 | 26mm x 50M  | 10         |
| IPAP104 | 32mm x 50M  | 10         |
| IPAP105 | 16mm x 500M | 5          |
| IPAP107 | 16mm x 200M | 5          |



## INSTANTOR® PEXB/AL/PEXB PIPE Technical Specifications

| UNIT OF MEASUREMENT                     |        | IPAP101<br>IPAP111                                        | IPAP102<br>IPAP112 | IPAP103<br>IPAP113 | IPAP104<br>IPAP114 | IPAP105<br>- | IPAP107<br>- | -<br>IPAP115 | -<br>IPAP116 | -<br>IPAP117 |
|-----------------------------------------|--------|-----------------------------------------------------------|--------------------|--------------------|--------------------|--------------|--------------|--------------|--------------|--------------|
| Outer Diameter                          | mm     | 16                                                        | 20                 | 26                 | 32                 | 16           | 16           | 40           | 50           | 63           |
| Inner Diameter                          | mm     | 12                                                        | 16                 | 20                 | 26                 | 12           | 12           | 32           | 41           | 51           |
| Weight                                  | kg/M   | 0.112                                                     | 0.148              | 0.266              | 0.362              | 0.112        | 0.112        | 0.557        | 0.797        | 1.270        |
| Thickness of Aluminium                  | mm     | 0.25                                                      | 0.3                | 0.35               | 0.5                | 0.25         | 0.25         | 0.5          | 0.5          | 0.6          |
| Total Thickness                         | mm     | 2                                                         | 2                  | 3                  | 3                  | 2            | 2            | 4            | 4.5          | 6            |
| Coils Length                            | M      | 100                                                       | 100                | 50                 | 50                 | 500          | 200          | -            | -            | -            |
| Straight Lengths                        | M      | 4                                                         | 4                  | 4                  | 4                  | -            | -            | 4            | 4            | 4            |
| Volume of water                         | l/m    | 0.113                                                     | 0.201              | 0.314              | 0.531              | 0.113        | 0.113        | 0.803        | 1.319        | 2.014        |
| Internal roughness                      | µm     | 7                                                         |                    |                    |                    |              |              |              |              |              |
| Thermal conductivity<br>at Delta T 40°C | W/mk   | 0.43                                                      |                    |                    |                    |              |              |              |              |              |
| Coefficient of expansion                | mm/m°C | 0.025                                                     |                    |                    |                    |              |              |              |              |              |
| Degree of crosslinking                  | °C     | ≥65°C                                                     |                    |                    |                    |              |              |              |              |              |
| Oxygen permeability                     | mg/l   | 0                                                         |                    |                    |                    |              |              |              |              |              |
| Colour                                  |        | White                                                     |                    |                    |                    |              |              |              |              |              |
| Type                                    |        | PE-xB/Al/PE-xB multilayer pipe                            |                    |                    |                    |              |              |              |              |              |
| Field of application                    |        | Plumbing in civil, industrial and commercial applications |                    |                    |                    |              |              |              |              |              |
| Fluid                                   |        | Potable water, technical water, and water glycol(*)       |                    |                    |                    |              |              |              |              |              |
| Max peak temperature                    | °C     | 110                                                       |                    |                    |                    |              |              |              |              |              |
| Minimum operating<br>temperature(*)     | °C     | 0                                                         |                    |                    |                    |              |              |              |              |              |
| Maximum operating<br>pressure at 95°C   | bar    | 6                                                         |                    |                    |                    |              |              |              |              |              |
| Maximum operating<br>pressure at 20°C   | bar    | 10                                                        |                    |                    |                    |              |              |              |              |              |
| Duration at 95°C and 6 bar              |        | Time duration to be determined by service conditions      |                    |                    |                    |              |              |              |              |              |
| Storage                                 |        | Avoid prolonged exposure to direct sunlight               |                    |                    |                    |              |              |              |              |              |
| Minimum bend radius                     |        | 5 times the diameter                                      |                    |                    |                    |              |              |              |              |              |

(\*) In the case of water glycol, in order to define the minimum operating temperature, it is necessary to know the elements of the mixture and the various concentrations.

### Application Class Table (ISO 21003-1)

| Application Class | Design Temperature T <sub>D</sub> °C | Time <sup>b</sup> at T <sub>D</sub> Years | T <sub>max</sub> °C | Time at T <sub>max</sub> years | T <sub>mal</sub> °C | Time at T <sub>mal</sub> h | Typical field of application                     |
|-------------------|--------------------------------------|-------------------------------------------|---------------------|--------------------------------|---------------------|----------------------------|--------------------------------------------------|
| 1 <sup>a</sup>    | 60                                   | 49                                        | 80                  | 1                              | 95                  | 100                        | Hot water supply (60°C)                          |
| 2 <sup>a</sup>    | 70                                   | 49                                        | 80                  | 1                              | 95                  | 100                        | Hot water supply (70°C)                          |
| 4 <sup>b</sup>    | 20 + Cumulative 40 + Cumulative 60   | 2.5<br>20<br>25                           | 70                  | 2.5                            | 100                 | 100                        | Underfloor heating and low-temperature radiators |
| 5 <sup>b</sup>    | 20 + Cumulative 60 + Cumulative 80   | 14<br>25<br>10                            | 90                  | 1                              | 100                 | 100                        | High-temperature radiators                       |

<sup>a</sup> A country may select either class 1 or class 2 in conformity with its nation regulations.

<sup>b</sup> Where more than one design temperature for time and associated temperature appears for any class, they should be aggregated.

"Plus cumulative" in the table implies a temperature profile of the mentioned temperature over time (e.g. the design temperature profile for 50 years for class 5 is 20°C for 14 years followed by 60°C for 25 years, 80°C for 10 years, 90°C for 1 year and 100°C for 100h).

NOTE: For values of T<sub>D</sub>, T<sub>max</sub> and T<sub>mal</sub> in excess of those in the table, this International Standard does not apply. In the case of water glycol, in order to define the minimum operating temperature, it is necessary to know the elements of the mixture and the various concentrations.



## Product Overview

**INSTANTOR® PEX-AL-PEX (PE-xB/AL/PE-xB) INSULATED**  
multilayer pipe is an insulated multilayer pipe for multi-applications.

Enclosed in a scratch resistant, closed cell polyethylene foam insulating sheath, this pipe is constructed with a double inner and outer layer of Silane method crosslinked polyethylene PE-xB, then bound by quality adhesive to a butt welded 100% oxygen tight aluminium layer. It is this aluminium layer that allows the pipe to maintain its shape after bending.

Total hygiene and high corrosion resistance is ensured as fluids come in contact with the inner PE-xB layer only.

**MULTI APPLICATIONS: Potable water and all general plumbing and heating applications.**

| WHITE   | RED     | BLUE    |           |            |
|---------|---------|---------|-----------|------------|
| CODE    | CODE    | CODE    | SIZE      | PALLET QTY |
| IPAP201 | IPAP301 | IPAP401 | 16 x 100M | 10         |
| IPAP202 | IPAP302 | IPAP402 | 20 x 50M  | 10         |
| IPAP203 | IPAP303 | IPAP403 | 26 x 25M  | 10         |
| IPAP204 | IPAP304 | IPAP404 | 32 x 25M  | 10         |
| IPAP205 | -       | -       | 26 x 50M  | -          |

## Increased Insulation

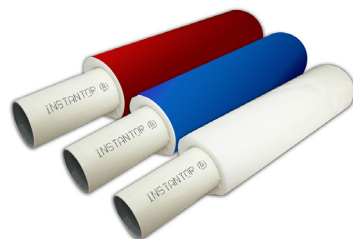
| CODE    | SIZE       | THICKNESS | COLOUR | PALLET QTY |
|---------|------------|-----------|--------|------------|
| IPAP501 | 16mm x 50m | 9mm       | WHITE  | 20         |
| IPAP502 | 20mm x 50m | 13mm      | WHITE  | 10         |
| IPAP503 | 26mm x 25m | 13mm      | WHITE  | 14         |
| IPAP504 | 32mm x 25m | 13mm      | WHITE  | 14         |

## Increased Insulation Part L Compliant

| WHITE CODE | RED CODE | BLUE CODE | SIZE       | THICKNESS | PALLET QTY |
|------------|----------|-----------|------------|-----------|------------|
| IPAP1101   | IPAP1201 | IPAP1301  | 16mm x 25m | 17mm      | 10         |
| IPAP1102   | IPAP1202 | IPAP1302  | 20mm x 25m | 17mm      | 10         |
| IPAP1103   | IPAP1203 | IPAP1303  | 26mm x 25m | 19mm      | 8          |

## Increased Insulation Part L Compliant + BL Rated Insulation

| CODE    | SIZE       | THICKNESS | COLOUR | PALLET QTY |
|---------|------------|-----------|--------|------------|
| IPAP701 | 16mm x 25m | 17mm      | GREY   | 10         |
| IPAP702 | 20mm x 25m | 17mm      | GREY   | 10         |
| IPAP703 | 26mm x 25m | 19mm      | GREY   | 8          |



## INSTANTOR® PEXB/AL/PEXB Insulation Pipe Coils Technical Specifications

See page 37 for Application  
Class Table (ISO 21003-1)

| Codes                                                                                                                           | UOM     | IPAP201<br>IPAP301<br>IPAP401                                                                                                                                                                                                                                                   | IPAP202<br>IPAP302<br>IPAP402 | IPAP203<br>IPAP303<br>IPAP403 | IPAP204<br>IPAP304<br>IPAP404 | IPAP205 | IPAP501 | IPAP502 | IPAP503 | IPAP504 | IPAP1101<br>IPAP1201<br>IPAP1301 | IPAP1102<br>IPAP1202<br>IPAP1302 | IPAP1103<br>IPAP1203<br>IPAP1303 | IPAP701            | IPAP702 | IPAP703 |
|---------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------|---------|---------|---------|---------|---------|----------------------------------|----------------------------------|----------------------------------|--------------------|---------|---------|
| Outer Diameter                                                                                                                  | mm      | 16                                                                                                                                                                                                                                                                              | 20                            | 26                            | 32                            | 26      | 16      | 20      | 26      | 32      | 16                               | 20                               | 26                               | 16                 | 20      | 26      |
| Weight                                                                                                                          | kg/m    | 0.167                                                                                                                                                                                                                                                                           | 0.201                         | 0.342                         | 0.450                         | 0.342   | 0.231   | 0.250   | 0.382   | 0.484   |                                  |                                  |                                  |                    |         |         |
| Insulation Thickness (round)                                                                                                    | mm      | 6                                                                                                                                                                                                                                                                               | 6                             | 8                             | 8                             | 8       | 9       | 13      | 13      | 13      | 17                               | 17                               | 19                               | 17                 | 17      | 19      |
| Diameter Pipe + Sheath                                                                                                          | mm      | 28                                                                                                                                                                                                                                                                              | 32                            | 42                            | 48                            | 42      | 34      | 46      | 52      | 58      | 50                               | 54                               | 64                               | 50                 | 54      | 64      |
| Thickness of Aluminium                                                                                                          | mm      | 0.25                                                                                                                                                                                                                                                                            | 0.3                           | 0.35                          | 0.5                           | 0.35    | 0.25    | 0.3     | 0.35    | 0.5     | 0.25                             | 0.3                              | 0.35                             | 0.25               | 0.3     | 0.35    |
| Coil Length                                                                                                                     | m       | 100                                                                                                                                                                                                                                                                             | 50                            | 25                            | 25                            | 50      | 50      | 50      | 25      | 25      | 25                               | 25                               | 25                               | 25                 | 25      | 25      |
| Volume of Water                                                                                                                 | l/m     | 0.113                                                                                                                                                                                                                                                                           | 0.201                         | 0.314                         | 0.532                         | 0.314   | 0.113   | 0.201   | 0.314   | 0.531   | 0.113                            | 0.201                            | 0.314                            | 0.113              | 0.201   | 0.314   |
| Colour                                                                                                                          | –       | White / Red / Blue                                                                                                                                                                                                                                                              |                               |                               |                               | White   |         |         |         |         | White / Red / Blue               |                                  |                                  | Grey               |         |         |
| Internal Roughness                                                                                                              | µm      | 7                                                                                                                                                                                                                                                                               |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Thermal Conductivity at 20°C - Insulation                                                                                       | W/mk    | 0.0397                                                                                                                                                                                                                                                                          |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Coefficient of Expansion                                                                                                        | mm/m °C | 0.025                                                                                                                                                                                                                                                                           |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Density - Foam                                                                                                                  | kg/m³   | 35-45                                                                                                                                                                                                                                                                           |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Degree of Crosslinking                                                                                                          | %       | ≥65%                                                                                                                                                                                                                                                                            |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Oxygen Permeability                                                                                                             | mg/l    | 0                                                                                                                                                                                                                                                                               |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Pipe Material                                                                                                                   | –       | PE-xB/Al/PE-xB multilayer pipe                                                                                                                                                                                                                                                  |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Sheath Material                                                                                                                 | –       | Closed - Cell polyethylene Foam PE-LD                                                                                                                                                                                                                                           |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Scratch-resistant Finishing Layer                                                                                               | –       | Closed - Cell polyethylene Foam PE-LD                                                                                                                                                                                                                                           |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Field of Application                                                                                                            | –       | Plumbing in civil, industrial and commercial applications                                                                                                                                                                                                                       |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Fluid                                                                                                                           | –       | Potable water, technical water,and water glycol(*)                                                                                                                                                                                                                              |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Max Peak Temperature                                                                                                            | °C      | 110                                                                                                                                                                                                                                                                             |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Minimum Operating Temperature(*)                                                                                                | °C      | 0                                                                                                                                                                                                                                                                               |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Maximum Operating Pressure at 95°C                                                                                              | bar     | 6                                                                                                                                                                                                                                                                               |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Maximum Operating Pressure at 20°C                                                                                              | bar     | 10                                                                                                                                                                                                                                                                              |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Duration at 95°C and 6 bar                                                                                                      | –       | Time duration to be determined by service conditions                                                                                                                                                                                                                            |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Storage                                                                                                                         | –       | Avoid prolonged exposure to direct sunlight                                                                                                                                                                                                                                     |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Minimum Bend Radius(**)                                                                                                         | Ø       | 5 times the diameter                                                                                                                                                                                                                                                            |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Fire Classification EN13501                                                                                                     | –       | B2 (DIN 4102) / EL (EN13501)                                                                                                                                                                                                                                                    |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  | BL-S1-d0 (EN13501) |         |         |
| Insulation Min/Max Service temperature                                                                                          | °C      | ST(-20°C) - ST(+90°C)                                                                                                                                                                                                                                                           |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Determination of Trace Quantities of Soluble Ions per EN13468                                                                   | mg/kg   | Fluoride: Not Detected. Chloride: Not Detected . Silicate: Not Detected . Sodium: Not Detected                                                                                                                                                                                  |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Determination of PH per EN13468 (Insulation)                                                                                    | PH      | 7.5                                                                                                                                                                                                                                                                             |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Water absorption per EN13472                                                                                                    | kg/m²   | 0.125 - Classification 'W05'                                                                                                                                                                                                                                                    |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |
| Regulation (EC) No.1005/2009 amending Regulation (EC) No.744/2010 Ozone Depletion Substances (ODS) Content / US EPA 5021A/8260C |         | CFCs Group I & II: Not Detected. Halon Group III : Not Detected. CCl4 Group IV : Not Detected. Trichloroethane Group V : Not Detected. Bromos group VI: Not Detected. HBFCs Group VII : Not Detected. HCFCs Group VIII: Not Detected. Bromochloromethane Group IX: Not Detected |                               |                               |                               |         |         |         |         |         |                                  |                                  |                                  |                    |         |         |

(\*) In the case of water glycol, in order to define the minimum operating temperature, it is necessary to know the elements of the mixture and the various concentrations.  
(\*\*) Take the thickness of the sheath into account when bending a pipe with a bender. eg.: Ø16 sheath: total thickness=28mm, use bender with Ø26 profile.

# Accessories

## IP20 Bending Spring Pack (Internal & External)

| CODE    | SIZE | BOX QTY |
|---------|------|---------|
| IP20030 | 16mm | 10      |
| IP20031 | 20mm | 10      |
| IP20032 | 26mm | 10      |
| IP20033 | 32mm | 5       |



## Pipe Decoiler

| CODE    | SIZE            | BOX QTY |
|---------|-----------------|---------|
| IP20017 | Suits All Sizes | -       |



## Push Fit Press Test Fitting

| CODE     | SIZE              |
|----------|-------------------|
| IP20071* | 16mm Incl Tool    |
| IP20072* | 20mm Incl. Tool   |
| IP20075* | 16mm Removal Tool |
| IP20076* | 20mm Removal Tool |



## Pressure Test Gauge

| CODE     | SIZE                             |
|----------|----------------------------------|
| IP20077* | Gauge For Pressure Test Fittings |



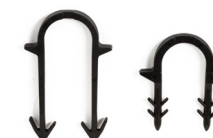
## Adhesive Tracking Strip

| CODE    | SIZE      |
|---------|-----------|
| IP20019 | 16mm x 1M |



## Pipe Staple

| CODE    | SIZE        | PACK QTY |
|---------|-------------|----------|
| IP20014 | 16mm x 40mm | 30       |
| IP20012 | 16mm x 60mm | 30       |



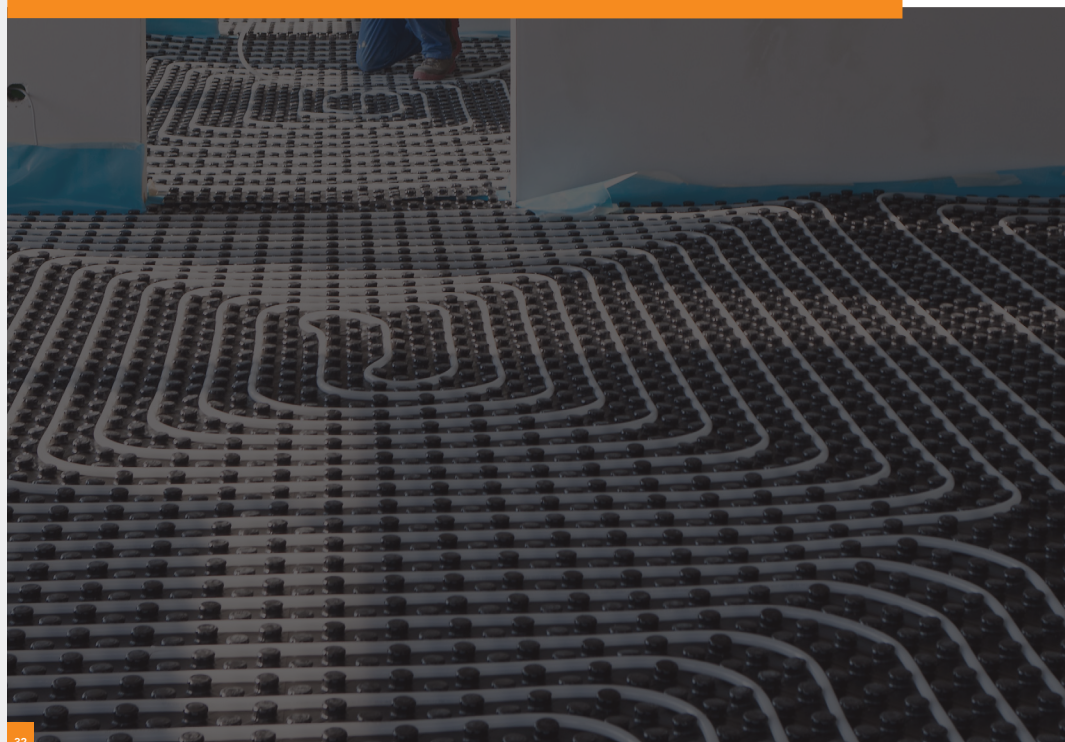
## Manifold Bracket

| CODE   | SIZE | PACK QTY |
|--------|------|----------|
| 771910 | 3/4" | 20       |
| 771911 | 1"   | 18       |



\*Not WRAS Approved

**Note:** Fittings should be kept in original packaging to prevent O-ring lubrication drying out before use.







# Instantor<sup>®</sup>

## Copper Press

INSTANTOR  
COPPER PRESS

25  
YEAR  
WARRANTY

### Flame-Free Jointing & 35% Faster Installations.

Sick of faffing about with soldering? We don't blame you. Open flames, the constant need for hot work permits, and the risk of scorching make traditional methods more hassle than they're worth.

Instantor Copper Press gives you flame-free jointing that gets the job done 35% faster than traditional soldering methods. Backed by industry certifications like WRAS, Kiwa, and GASTEC QA, you get a high-quality solution that's faster, safer, and easier - so you can get more jobs done without the hassle.

With no need for torches, flux, or heat mats, you can ditch the extra gear, save yourself multiple trips back and forth, and focus on getting the job done. Instantor Copper Press fittings are available in imperial and metric sizes with a range suited to water or gas applications. Plus, the leak-before-press feature makes sure any unpressed joints show up during testing, so there's no need to worry about hidden leaks.

The best part? You get a clean, professional finish without the mess of heat or scorch marks. And with a 25-year guarantee, you know it's going to last. Whether you're working on domestic, commercial, or industrial jobs, the Instantor Copper Press makes every install quicker, safer, and more reliable. It's plumbing made easy.





# Instantor®

## Copper Press

### FEATURES

- **BACKED BY EPD CERTIFICATION** - Transparency You Can Trust
- **CERTIFIED** - WRAS & KIWA approval on fittings
- **SAFER INSTALLATIONS** - Flame free jointing with no requirement for hotworks permit
- **QUICK TO INSTALL** - Installation complete in just 5 steps. Cut, Calibrate, Check, Mark & Press
- **SAVE ON TIME** - 35% faster install than traditional soldering method
- **EXTENSIVE OFFERING** - Available in metric sizing from 15mm-54mm
- **LEAK DETECTION** - EPDM O-Rings designed with feature to identify un-pressed joints during system testing

### INSTALLATION INSTRUCTIONS



CUT

1. Ensure that the fitting is the correct size for the tube being used. Cut the pipe to length using a good quality pipe cutter or rotary pipe cutter. It is important that pipe ends are clean, cut square, and the pipe is not deformed. High speed grinding wheels are not suitable.



CALIBRATE

2. All burrs and sharp edges should be removed. Using a de-burring tool to both the inside and outside of the pipe, leaving an external chamfer. Wipe the pipe end clean. The pipe ends should be free from scratches or scores for a distance not less than the socket depth. **NOTE:** A poorly calibrated pipe could damage the O-ring on insertion.



CHECK

3. Before inserting the pipe, check the O-ring is seated, lubricated and free from damage. (Re-moisten O-ring with water if necessary).



MARK

4. Insert the pipe fully into the socket of the fitting until it hits the pipe stop (or until pipes meet in the middle in fittings without a pipe stop). Mark the insertion depth with black marker to ensure the pipe has been fully inserted before pressing.



PRESS

5. Making sure to select the correct profile Jaw, VI or M for copper press, execute the press cycle. After the press tool cycle is complete remove the Press Jaws and check that the socket depth marking on the pipe has remained in place, adjacent to the mouth of the fitting.

**NOTE:** Fittings should be kept in original packaging to protect the O-ring and prevent drying out of lubrication.

**NB:** Copper Press water fittings are only suitable for water applications and O rings are not interchangeable with other Instantor Copper Press Products. Only water Copper Press product (indicated with black O-Rings) should be used on water installations and under no circumstances should 'O-rings' be changed or altered.

### TECHNICAL SUMMARY

- **Operating Pressure & Temperatures:**
  - 16bar @ 30°C
  - 10bar @ 95°C
- **Max Operating Temperature:** 110°C
- **Min Operating Temperature:** -25°C

Further technical information available, see page 40.

### SPACING BETWEEN FITTINGS

**Minimum spacing between fittings is recommended as follows:**

15mm - 10mm space  
22mm - 20mm space  
28mm - 20mm space

### PIPE SUPPORT

Pipe supports should be used to prevent movement and vibration in the finished system. Maximum bracket distance for copper tube:

|      |               |                 |
|------|---------------|-----------------|
| 15mm | 1.8m Vertical | 1.2m Horizontal |
| 22mm | 2.4m Vertical | 1.8m Horizontal |
| 28mm | 2.4m Vertical | 1.8m Horizontal |

### WARNING

Due care should be taken to prevent damage to copper press fittings and O-rings by heat transfer due to nearby brazing. High temperature can anneal copper pipe making it too soft for press fit along with causing excessive heat damage to the EPDM O-rings. Each fitting and O-ring should be inspected before installation to confirm that there is no damage or defects due to storage or transportation. Do not use fitting if any visual defects are noted.

# WATER



# WATER Metric Fittings

## CP410 Straight Coupler



| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| CP410001 | 15mm | 10       |
| CP410002 | 22mm | 10       |
| CP410003 | 28mm | 10       |
| CP410004 | 35mm | L        |
| CP410005 | 42mm | L        |
| CP410006 | 54mm | L        |

## CP410 Straight Reducer



| CODE     | SIZE        | PACK QTY |
|----------|-------------|----------|
| CP410021 | 22mm x 15mm | 10       |
| CP410031 | 28mm x 15mm | 10       |
| CP410032 | 28mm x 22mm | 10       |

## CP410 Slip Coupler



| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| CP4100S1 | 15mm | 10       |
| CP4100S2 | 22mm | 10       |
| CP4100S3 | 28mm | 10       |

## CP411 Straight Coupler M.I x Press



| CODE     | SIZE          | PACK QTY |
|----------|---------------|----------|
| CP411001 | 1/2" M x 15mm | -        |
| CP411002 | 3/4" M x 22mm | -        |
| CP411003 | 1" M x 28mm   | -        |

## CP412 Straight Coupler F.I x Press



| CODE     | SIZE          | PACK QTY |
|----------|---------------|----------|
| CP412001 | 1/2" F x 15mm | -        |
| CP412002 | 3/4" F x 22mm | -        |
| CP412003 | 1" F x 28mm   | -        |

## CP413 Bent Swivel Connector



| CODE      | SIZE        | PACK QTY |
|-----------|-------------|----------|
| CP413001* | 15mm x 1/2" | 10       |

## CP414 Straight Swivel Connector



| CODE      | SIZE        | PACK QTY |
|-----------|-------------|----------|
| CP414001* | 15mm x 1/2" | 10       |
| CP414002* | 22mm x 3/4" | 10       |

## CP415 Elbow



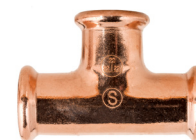
| CODE     | SIZE        | PACK QTY |
|----------|-------------|----------|
| CP415001 | 15mm        | 10       |
| CP415002 | 22mm        | 10       |
| CP415003 | 28mm        | 5        |
| CP415004 | 35mm        | L        |
| CP415005 | 42mm        | L        |
| CP415006 | 54mm        | L        |
| CP415021 | 22mm x 15mm | 10       |
| CP415031 | 28mm x 15mm | 5        |
| CP415032 | 28mm x 22mm | 5        |

## CP418 Reducing Tee



| CODE     | SIZE               | PACK QTY |
|----------|--------------------|----------|
| CP418112 | 15mm x 15mm x 22mm | 10       |
| CP418211 | 22mm x 15mm x 15mm | 10       |
| CP418212 | 22mm x 15mm x 22mm | 10       |
| CP418221 | 22mm x 22mm x 15mm | 10       |
| CP418223 | 22mm x 22mm x 28mm | 5        |
| CP418311 | 28mm x 15mm x 15mm | 5        |
| CP418312 | 28mm x 15mm x 22mm | 5        |
| CP418313 | 28mm x 15mm x 28mm | 5        |
| CP418321 | 28mm x 22mm x 15mm | 5        |
| CP418322 | 28mm x 22mm x 22mm | 5        |
| CP418323 | 28mm x 22mm x 28mm | 5        |
| CP418331 | 28mm x 28mm x 15mm | 5        |
| CP418332 | 28mm x 28mm x 22mm | 5        |

## CP418 Equal Tee



| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| CP418001 | 15mm | 10       |
| CP418002 | 22mm | 10       |
| CP418003 | 28mm | 4        |
| CP418004 | 35mm | L        |
| CP418005 | 42mm | L        |
| CP418006 | 54mm | L        |

## CP419 Fitting Reducer



| CODE     | SIZE        | PACK QTY |
|----------|-------------|----------|
| CP419021 | 22mm x 15mm | 10       |
| CP419031 | 28mm x 15mm | 10       |
| CP419032 | 28mm x 22mm | 10       |
| CP419043 | 35mm x 28mm | L        |
| CP419054 | 42mm x 35mm | L        |
| CP419065 | 54mm x 42mm | L        |

## CP468 633 M.T Cock



| CODE     | SIZE       | PACK QTY |
|----------|------------|----------|
| CP468001 | 15mm Press | 10       |

## CP435 Street Elbow



| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| CP435001 | 15mm | 10       |
| CP435002 | 22mm | 10       |
| CP435003 | 28mm | 5        |

## CP425 Obtuse Street Elbow



| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| CP425001 | 15mm | 10       |
| CP425002 | 22mm | 10       |
| CP425003 | 28mm | 5        |

## CP445 Obtuse Bend



| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| CP445001 | 15mm | 10       |
| CP445002 | 22mm | 10       |
| CP445003 | 28mm | 5        |

## CP451 Stop End



| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| CP451001 | 15mm | 20       |
| CP451002 | 22mm | 15       |
| CP451003 | 28mm | 10       |
| CP451004 | 35mm | L        |
| CP451005 | 42mm | L        |
| CP451006 | 54mm | L        |

## IP21 Press Adaptor to Copper Press



| CODE     | SIZE        | PACK QTY |
|----------|-------------|----------|
| IP21001* | 16mm x 15mm | 10       |
| IP21002* | 20mm x 22mm | 10       |
| IP21003* | 26mm x 28mm | 10       |

Note: Fittings should be kept in original packaging to prevent O-ring lubrication drying out before use.

\*Not WRAS Approved.

Note: Fittings should be kept in original packaging to prevent O-ring lubrication drying out before use.

\*Not WRAS Approved.



# Instantor®

## Copper Press

### TECHNICAL INFORMATION

#### PRESSING PROFILE:

**M** Profile - Sizes: 15mm, 22mm, 28mm, 35mm, 42mm & 54mm

#### APPLICATION:

Fittings with black EPDM O-Rings are designed for use in hot and cold water services, heating systems\*, chilled water. Instantor Copper press fittings are designed to be used with hard or half hard copper pipe conforming to EN 1057. \*Excluding solar heating applications, solid fuel primary pipelines and directly buried/embedded applications.

#### SYSTEM TESTING:

Pressure testing on Instantor Copper Press fittings should normally be carried out using clean potable water in accordance with EN806.

All fitting joints installed in the system must remain completely visible and accessible until the system has been successfully leak and pressure tested.

After flushing, fill the system with clean potable water ensuring all trapped air has been expelled. Apply pressure between 1 and 2 bar and perform inspection for un-pressed fittings. If un-pressed fittings are identified, they may be pressed without draining the system. Do not press fittings more than once. When satisfied, no un-pressed fittings remain, increase pressure slowly to the system test pressure. Testing of the system should be carried out in accordance with EN806 to 1.1 times the working pressure (Maximum Design Pressure) of the system.

Full test pressure should hold for a minimum of 30 minutes without any sign of drop in pressure. Final visual inspection should then be carried out to confirm system is leak tight.

#### GUARANTEE:

Copper is known for its durability, corrosion resistance, thermal conductivity, and hygienic qualities. In some cases, (e.g. chilled water lines) external protection may be required to protect against corrosive conditions.

Instantor Copper Press fittings are guaranteed for 25 years provided they have been installed following correct procedure within operating conditions for which they are designed, by a fully qualified plumber using the correct pressing equipment which holds a valid calibration certificate.

#### CERTIFICATION:



Imperial Instantor Copper Press  
WRAS Approval Number: 2003301 & 2205310  
Metric Instantor Copper Press  
WRAS Approval Number: 1903373



Imperial Instantor Copper Press  
KIWA Certificate Number: 2002711







# Instantor®

## Copper Press

### FEATURES

- **BACKED BY EPD CERTIFICATION** - Transparency You Can Trust
- **CERTIFIED** - KIWA GASTEC approval on fittings
- **SAFER INSTALLATIONS** - Flame free jointing with no requirement for hotworks permit
- **QUICK TO INSTALL** - Installation complete in just 5 steps. Cut, Calibrate, Check, Mark & Press
- **SAVE ON TIME** - 35% faster install than traditional soldering method
- **EXTENSIVE OFFERING** - Available in metric sizing from 15mm-28mm
- **AESTHETIC FINISH** - Neater & cleaner finish with no risk of heat or scorch marks!

### INSTALLATION INSTRUCTIONS



CUT



CALIBRATE



CHECK



MARK



PRESS

1. Ensure that the fitting is the correct size for the tube being used. Cut the pipe to length using a good quality pipe cutter or rotary pipe cutter. It is important that pipe ends are clean, cut square, and the pipe is not deformed. High speed grinding wheels are not suitable.

2. All burrs and sharp edges should be removed. Using a de-burring tool to both the inside and outside of the pipe, leaving an external chamfer. Wipe the pipe end clean. The pipe ends should be free from scratches or scores for a distance not less than the socket depth. **NOTE:** A poorly calibrated pipe could damage the O-ring on insertion.

3. Before inserting the pipe, check the O-ring is seated, lubricated and free from damage. (Re-moisten O-ring with water if necessary\*\*).

4. Insert the pipe fully into the socket of the fitting until it hits the pipe stop (or until pipes meet in the middle in fittings without a pipe stop). Mark the insertion depth with black marker to ensure the pipe has been fully inserted before pressing.

5. Making sure to select the correct profile Jaw ('V' for Imperial/Irish Instantor Copper Press), execute the press cycle. After the press tool cycle is complete remove the Press Jaws and check that the socket depth marking on the pipe has remained in place, adjacent to the mouth of the fitting.

**NOTE:** Fittings should be kept in original packaging to protect the O-ring and prevent drying out of lubrication.

NB: Copper Press gas fittings are only suitable for gas applications and O rings are not interchangeable with other Instantor Copper Press Products. Only gas Copper Press product (indicated with yellow O-Rings) should be used on gas installations and under no circumstances should 'O-rings' be changed or altered.

### TECHNICAL SUMMARY

- **Operating Pressure & Temperatures:**  
Under GASTEC QA 186 approval  
200mbar domestic gaseous fuel  
-20°C to +70°C

General -20°C to +70°C. MOP 5 Bar -  
External above ground and MOP 1  
Bar - within building subject to fire  
regulations

Further technical information available, see page 46.

### SPACING BETWEEN FITTINGS

**Minimum spacing between fittings is recommended as follows:**

|      |              |
|------|--------------|
| 15mm | - 10mm space |
| 22mm | - 20mm space |
| 28mm | - 20mm space |

### PIPE SUPPORT

Pipe supports should be used to prevent movement and vibration in the finished system.

|                                           |               |                 |  |
|-------------------------------------------|---------------|-----------------|--|
| Maximum bracket distance for copper tube: |               |                 |  |
| 15mm                                      | 1.8m Vertical | 1.2m Horizontal |  |
| 22mm                                      | 2.4m Vertical | 1.8m Horizontal |  |
| 28mm                                      | 2.4m Vertical | 1.8m Horizontal |  |

### WARNING

Due care should be taken to prevent damage to copper press fittings and O-rings by heat transfer due to nearby brazing. High temperature can anneal copper pipe making it too soft for press fit along with causing excessive heat damage to the HNBR O-rings. Each fitting and O-ring should be inspected before installation to confirm that there is no damage or defects due to storage or transportation. Do not use fitting if any visual defects are noted.

# GAS

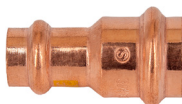
# GAS Metric Fittings

**CPG410 Gas Straight Coupler**



| CODE      | SIZE | PACK QTY |
|-----------|------|----------|
| CPG410001 | 15mm | 10       |
| CPG410002 | 22mm | 10       |
| CPG410003 | 28mm | 10       |

**CPG410 Gas Straight Reducer**



| CODE      | SIZE        | PACK QTY |
|-----------|-------------|----------|
| CPG410021 | 22mm x 15mm | 10       |
| CPG410031 | 28mm x 15mm | 10       |
| CPG410032 | 28mm x 22mm | 10       |

**CPG410 Gas Slip Coupler**



| CODE      | SIZE | PACK QTY |
|-----------|------|----------|
| CPG4100S1 | 15mm | 10       |
| CPG4100S2 | 22mm | 10       |
| CPG4100S3 | 28mm | 10       |

**CPG411 Gas Straight Coupler M.I x Press**



| CODE      | SIZE              | PACK QTY |
|-----------|-------------------|----------|
| CPG411001 | ½" M x 15mm Press | 10       |
| CPG411002 | ¾" M x 22mm Press | 10       |
| CPG411003 | 1" M x 28mm Press | 10       |

**CPG412 Gas Straight Coupler F.I x Press**



| CODE      | SIZE              | PACK QTY |
|-----------|-------------------|----------|
| CPG412001 | ½" F x 15mm Press | 10       |
| CPG412002 | ¾" F x 22mm Press | 10       |
| CPG412003 | 1" F x 28mm Press | 10       |

**CPG415 Gas Elbow**



| CODE      | SIZE        | PACK QTY |
|-----------|-------------|----------|
| CPG415001 | 15mm        | 10       |
| CPG415002 | 22mm        | 10       |
| CPG415003 | 28mm        | 10       |
| CPG415021 | 22mm x 15mm | 10       |
| CPG415031 | 28mm x 15mm | 10       |
| CPG415032 | 28mm x 22mm | 10       |

**CPG418 Gas Equal Tee**



| CODE      | SIZE | PACK QTY |
|-----------|------|----------|
| CPG418001 | 15mm | 10       |
| CPG418002 | 22mm | 10       |
| CPG418003 | 28mm | 10       |

**CPG418 Gas Reducing Tee**



| CODE      | SIZE               | PACK QTY |
|-----------|--------------------|----------|
| CPG418211 | 22mm x 15mm x 15mm | 10       |
| CPG418212 | 22mm x 15mm x 22mm | 10       |
| CPG418221 | 22mm x 22mm x 15mm | 10       |
| CPG418313 | 28mm x 15mm x 28mm | 10       |
| CPG418323 | 28mm x 22mm x 28mm | 10       |
| CPG418332 | 28mm x 28mm x 22mm | 10       |

**CPG419 Gas Fitting Reducer**



| CODE      | SIZE        | PACK QTY |
|-----------|-------------|----------|
| CPG419021 | 22mm x 15mm | 10       |
| CPG419031 | 28mm x 15mm | 10       |
| CPG419032 | 28mm x 22mm | 10       |

**CPG425 Gas Obtuse Street Elbow**



| CODE      | SIZE | PACK QTY |
|-----------|------|----------|
| CPG425001 | 15mm | 10       |
| CPG425002 | 22mm | 10       |
| CPG425003 | 28mm | 10       |

**CPG435 Gas Street Elbow**



| CODE      | SIZE | PACK QTY |
|-----------|------|----------|
| CPG435001 | 15mm | 10       |
| CPG435002 | 22mm | 10       |
| CPG435003 | 28mm | 10       |

**CPG445 Gas Obtuse Bend**



| CODE      | SIZE | PACK QTY |
|-----------|------|----------|
| CPG445001 | 15mm | 10       |
| CPG445002 | 22mm | 10       |
| CPG445003 | 28mm | 10       |

**CPG451 Gas Stop End**



| CODE      | SIZE | PACK QTY |
|-----------|------|----------|
| CPG451001 | 15mm | 10       |
| CPG451002 | 22mm | 10       |
| CPG451003 | 28mm | 10       |

Note: Fittings should be kept in original packaging to prevent O-ring lubrication drying out before use.

Note: Fittings should be kept in original packaging to prevent O-ring lubrication drying out before use.





# Instantor<sup>®</sup>

## Copper Press

### TECHNICAL INFORMATION

#### PRESSING PROFILE:

**M** Profile - Sizes: 15mm, 22mm, 28mm

#### APPLICATION:

Instantor Gas Copper Press Fittings are designed to be used with half-hard copper tubes (R250) or hard copper tubes (R290) with a maximum diameter of 54mm according to GASTEC QA Approval Requirement 5. Instantor Gas Copper Press Fittings are suitable for domestic gas installations for the transport of gaseous fuels in accordance to the 2nd & 3rd family gases. The maximum operating pressure is 200mbar.

Instantor Gas Copper Press Fitting are for gas only and are stamped with GASTEC in yellow markings on the body of each fitting. The O-rings are constructed from premium HNBR which are approved to EN549 & EN682 for use in gas fuel services and are yellow in colour for identification purposes.

#### SYSTEM TESTING:

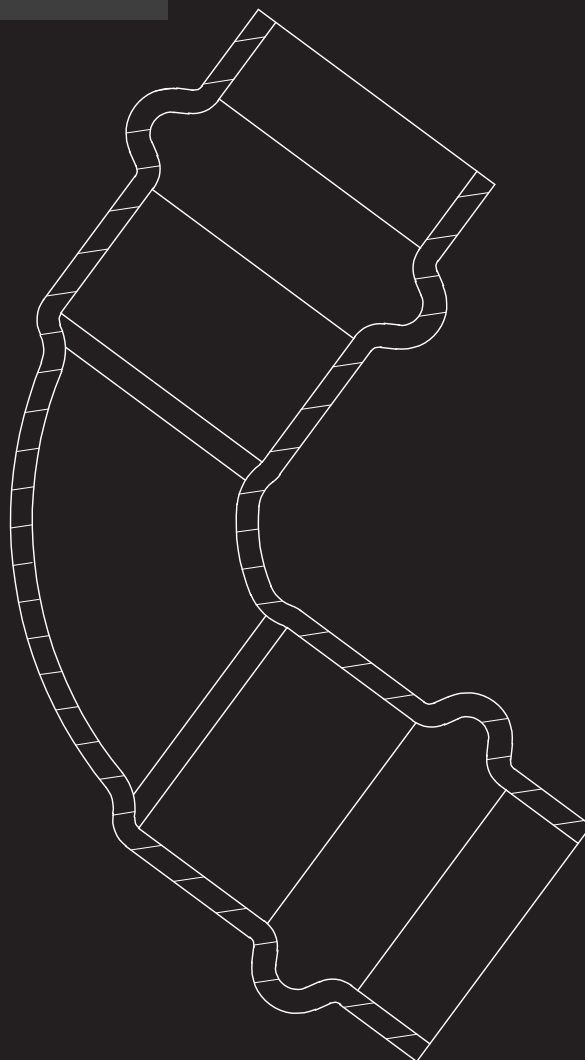
Pressure testing on Instantor Copper Press fittings should normally be carried out using air/leak detection spray in accordance with local regulations and standards e.g., IS813 and RGI.

All joints installed in the system must remain completely visible and accessible until the system has been successfully leak and pressure tested. Final inspections should then be carried out to confirm system is leak tight and sound.

#### GUARANTEE:

Copper is known for its durability, corrosion resistance, thermal conductivity, and hygienic qualities. In some cases, (sleeving/marking is required - follow local building standards e.g IS813) external protection may be required to protect against corrosive conditions.

Instantor Copper Press fittings are guaranteed for 25 years provided they have been installed following correct procedure within operating conditions for which they are designed, by a fully competent person using the correct pressing equipment which holds a valid calibration certificate.



#### CERTIFICATION:



Imperial & Metric Instantor Gas Copper Press  
KIWA GASTEC QA Approval Number: 110435/01



# THE INSTANTOR STANDARD: PROVEN MATERIALS FOR UNMATCHED RELIABILITY

At Instantor, we believe that quality products start with quality materials. Which is why we're committed to using only the best, like CW617N brass, a trusted material linked to Instantor for 100 years.

We know that each and every fitting plays a critical role on the job, which is why we rely on premium resources to make ours. Whether it's CW617N brass compression fittings, 304 stainless steel tubes, or our EPDM O-rings, each material used is proven to stand the test of time.

These materials aren't just industry standards; they're our standards. By investing in proven, high-performance materials, we ensure that every Instantor product delivers the durability, safety, and reliability that installers can count on.





# EMPOWERING THE NEXT GENERATION

At Instantor, we're all about investing in the next generation of plumbers. We know that today's apprentices are tomorrow's experts, and we want to make sure they're equipped not only with the tools of the trade but with the knowledge and confidence to use them effectively.

That's why we're giving apprentices the chance to get hands-on with the latest innovations in plumbing and heating technology. Let's face it – the industry's changing fast, and we want these future plumbers to stay ahead of the curve. Whether it's the latest press-fit tools or smart plumbing solutions, we're giving them early exposure so they'll know what's out there and what's coming next.

But it's not just about shiny new tools. We're also helping apprentices get a grip on solid, current plumbing methods so they can handle real-world scenarios. By getting them involved in hands-on training, we're aiming to bridge the gap between theory and practice – helping them see what actually works in the field and, just as importantly, what doesn't.

Here's to building a stronger, smarter future for plumbing – one apprentice at a time.





# UNRIVALLED EXPERTISE & SUPPORT

**You're on a job, knee deep in pipework,  
and something's not right...**

There's nothing more frustrating than reaching out to a manufacturer for assistance and being passed onto a third-party support team, with long wait times, or often no response at all.

At Instantor, we have a dedicated, full-time employed after-sales team, assisting with training, technical product support, and after-sales support. So, should something come up that you need assistance with, we're on hand to help – should that be over the phone or visiting on-site for further inspection.

With a qualified team based on the ground, and extensive warranty terms, we've got your back from the first fitting to the last tighten.







# Instantor<sup>®</sup>

## Stainless Steel Press

INSTANTOR  
STAINLESS STEEL PRESS

10  
YEAR

### Tough, Versatile, and Ready for Any Job.

Some jobs need a bit more than the standard kit, and that's where the Instantor Stainless Steel Press system shines. When you're dealing with high-demand projects that need durable materials or specialist settings, you'll need a solution that's tough, versatile, and built to last. Our stainless steel press fittings and pipes are made from 316L stainless steel, meaning they can take a beating and still come out on top.

Flame-free jointing? Check. Corrosion-resistant? Check. Certified to industry standards like WRAS, DVG, and BSI Kitemark? Absolutely. Whether you're working on water, gas, solar or steam, this system is designed to perform in a wide range of applications. It's tough enough for industrial use but sleek enough to look great in high-end commercial installs and with a 10-year guarantee, you can trust the Instantor Stainless Steel Press to provide unbeatable performance.

With sizes up to 108mm, the Instantor Stainless Steel Press system gives you the flexibility to tackle any job. Plus, with no need for hot work permits, you can avoid all the paperwork and delays that come with traditional methods. It's durable, hygienic, and certified for every type of project, making it the go-to solution for all your needs.





# Instantor®

## Stainless Steel Press

### FEATURES

- **CERTIFIED** - DVGW, BSI Kitemark & WRAS Certified
- **SUPERIOR MATERIAL** - 316L Stainless Steel provides corrosion, fire, heat and impact resistance
- **QUICK TO INSTALL** - Installation complete in just 5 steps. Cut, Calibrate, Check, Mark & Press
- **SUITABILITY** - Offering a solution for water, gas, oil, solar, hydrocarbon, compressed air & saturated steam applications
- **EXTENSIVE OFFERING** - Sizing from 15mm - 54mm suitable for domestic & commercial installations
- **AESTHETIC FINISH** - Desirable decorative stainless steel finish

### INSTALLATION INSTRUCTIONS



CUT



CALIBRATE



CHECK



MARK



PRESS

1. Ensure that the fitting is the correct size for the tube being used. Cut the pipe to length using a good quality pipe cutter or rotary pipe cutter. It is important that pipe ends are clean, cut square, and the pipe is not deformed. High speed grinding wheels are not suitable.

2. All burrs and sharp edges should be removed. Using a de-burring tool to both the inside and outside of the pipe, leaving an external chamfer. Wipe the pipe end clean. The pipe ends should be free from scratches or scores for a distance not less than the socket depth. **NOTE:** A poorly calibrated pipe could damage the O-ring on insertion.

3. Before inserting the pipe, check the O-ring is seated, lubricated and free from damage. (Re-moisten O-ring with water if necessary\*\*)

4. Insert the pipe fully into the socket of the fitting until it hits the pipe stop (or until pipes meet in the middle in fittings without a pipe stop). Mark the insertion depth with black marker to ensure the pipe has been fully inserted before pressing.

5. Making sure to select the correct profile Jaw ('V' for Imperial/Irish Instantor Copper Press), execute the press cycle. After the press tool cycle is complete remove the Press Jaws and check that the socket depth marking on the pipe has remained in place, adjacent to the mouth of the fitting.

**NOTE:** Fittings should be kept in original packaging to protect the O-ring and prevent drying out of lubrication.

### TECHNICAL SUMMARY

#### Water Applications (EPDM O-ring)

Max Operating Pressure: 16 bar  
Operating Temperature: -20°C to +110°C

#### Gas Applications (HNBR O-ring)

Max Operating Pressure: 5 bar  
Operating Temperature: -20°C to +70°C

#### Oil, Solar, Hydrocarbon & Compressed Air Applications (FKM Green O-ring)

Max Operating Pressure: 16 bar  
Operating Temperature: -20°C to +200°C

#### Saturated Steam Applications (FKM Red O-ring)

Max Operating Pressure: 7 bar  
Operating Temperature: -10°C to +160°C  
Further technical information available, see page 69.





# WATER

## SP410 Straight Coupler

| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| SP410001 | 15mm | 20       |
| SP410002 | 22mm | 20       |
| SP410003 | 28mm | 20       |
| SP410004 | 35mm | 10       |
| SP410005 | 42mm | 4        |
| SP410006 | 54mm | 4        |



## SP410 Straight Slip Coupler

| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| SP4100S1 | 15mm | 20       |
| SP4100S2 | 22mm | 20       |
| SP4100S3 | 28mm | 20       |
| SP4100S4 | 35mm | 10       |
| SP4100S5 | 42mm | 4        |
| SP4100S6 | 54mm | 4        |



## SP411 Male Adaptor

| CODE     | SIZE             | PACK QTY |
|----------|------------------|----------|
| SP411001 | 15mm x 1/2" MI   | 20       |
| SP411012 | 15mm x 3/4" MI   | 20       |
| SP411021 | 22mm x 1/2" MI   | 20       |
| SP411002 | 22mm x 3/4" MI   | 20       |
| SP411023 | 22mm x 1" MI     | 20       |
| SP411032 | 28mm x 3/4" MI   | 20       |
| SP411003 | 28mm x 1" MI     | 20       |
| SP411034 | 28mm x 1 1/4" MI | 20       |
| SP411043 | 35mm x 1" MI     | 10       |
| SP411004 | 35mm x 1 1/4" MI | 10       |
| SP411045 | 35mm x 1 1/2" MI | 10       |
| SP411054 | 42mm x 1 1/4" MI | 4        |
| SP411005 | 42mm x 1 1/2" MI | 4        |
| SP411065 | 54mm x 1 1/2" MI | 4        |
| SP411006 | 54mm x 2" MI     | 4        |



## SP412 Female Adaptor

| CODE     | SIZE             | PACK QTY |
|----------|------------------|----------|
| SP412001 | 15mm x 1/2" FI   | 20       |
| SP412012 | 15mm x 3/4" FI   | 20       |
| SP412021 | 22mm x 1/2" FI   | 20       |
| SP412002 | 22mm x 3/4" FI   | 20       |
| SP412023 | 22mm x 1" FI     | 20       |
| SP412032 | 28mm x 3/4" FI   | 20       |
| SP412003 | 28mm x 1" FI     | 20       |
| SP412034 | 28mm x 1 1/4" FI | 20       |
| SP412043 | 35mm x 1" FI     | 10       |
| SP412004 | 35mm x 1 1/4" FI | 10       |
| SP412045 | 35mm x 1 1/2" FI | 10       |
| SP412054 | 42mm x 1 1/4" FI | 4        |
| SP412005 | 42mm x 1 1/2" FI | 4        |
| SP412065 | 54mm x 1 1/2" FI | 4        |
| SP412006 | 54mm x 2" FI     | 4        |



## SP415 90° F.I x F.I Elbow

| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| SP415001 | 15mm | 20       |
| SP415002 | 22mm | 20       |
| SP415003 | 28mm | 20       |
| SP415004 | 35mm | 10       |
| SP415005 | 42mm | 4        |
| SP415006 | 54mm | 4        |



## SP418 Equal Tee

| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| SP418001 | 15mm | 20       |
| SP418002 | 22mm | 20       |
| SP418003 | 28mm | 20       |
| SP418004 | 35mm | 10       |
| SP418005 | 42mm | 4        |
| SP418006 | 54mm | 4        |



## SP418 Reducing Tee

| CODE     | SIZE               | PACK QTY |
|----------|--------------------|----------|
| SP418221 | 22mm x 22mm x 15mm | 20       |
| SP418331 | 28mm x 28mm x 15mm | 10       |
| SP418332 | 28mm x 28mm x 22mm | 10       |
| SP418441 | 35mm x 35mm x 15mm | 10       |
| SP418442 | 35mm x 35mm x 22mm | 10       |
| SP418443 | 35mm x 35mm x 28mm | 10       |
| SP418551 | 42mm x 42mm x 15mm | 4        |
| SP418552 | 42mm x 42mm x 22mm | 4        |
| SP418553 | 42mm x 42mm x 28mm | 4        |
| SP418554 | 42mm x 42mm x 35mm | 4        |
| SP418661 | 54mm x 54mm x 15mm | 4        |
| SP418662 | 54mm x 54mm x 22mm | 4        |
| SP418663 | 54mm x 54mm x 28mm | 4        |
| SP418664 | 54mm x 54mm x 35mm | 4        |
| SP418665 | 54mm x 54mm x 42mm | 4        |



Large sizes also available. Please contact our sales team for more information.

Large sizes also available. Please contact our sales team for more information.

## SP419 M.I x F.I Reducer

| CODE     | SIZE        | PACK QTY |
|----------|-------------|----------|
| SP419021 | 22mm x 15mm | 20       |
| SP419031 | 28mm x 15mm | 20       |
| SP419032 | 28mm x 22mm | 20       |
| SP419041 | 35mm x 15mm | 10       |
| SP419042 | 35mm x 22mm | 10       |
| SP419043 | 35mm x 28mm | 10       |
| SP419051 | 42mm x 15mm | 4        |
| SP419052 | 42mm x 22mm | 4        |
| SP419053 | 42mm x 28mm | 4        |
| SP419054 | 42mm x 35mm | 4        |
| SP419061 | 54mm x 15mm | 4        |
| SP419062 | 54mm x 22mm | 4        |
| SP419063 | 54mm x 28mm | 4        |
| SP419064 | 54mm x 35mm | 4        |
| SP419065 | 54mm x 42mm | 4        |



## SP425 45° M.I x F.I Elbow

| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| SP425001 | 15mm | 20       |
| SP425002 | 22mm | 20       |
| SP425003 | 28mm | 20       |
| SP425004 | 35mm | 10       |
| SP425005 | 42mm | 4        |
| SP425006 | 54mm | 4        |



## SP435 90° M.I x F.I Elbow

| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| SP435001 | 15mm | 20       |
| SP435002 | 22mm | 20       |
| SP435003 | 28mm | 20       |
| SP435004 | 35mm | 10       |
| SP435005 | 42mm | 4        |
| SP435006 | 54mm | 4        |



## SP445 45° F.I x F.I Elbow

| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| SP445001 | 15mm | 20       |
| SP445002 | 22mm | 20       |
| SP445003 | 28mm | 20       |
| SP445004 | 35mm | 10       |
| SP445005 | 42mm | 4        |
| SP445006 | 54mm | 4        |



## SP430 Tee Press x Press x F.I

| CODE     | SIZE                 | PACK QTY |
|----------|----------------------|----------|
| SP430001 | 15mm x 15mm x ½" FI  | 20       |
| SP430221 | 22mm x 22mm x ½" FI  | 20       |
| SP430002 | 22mm x 22mm x ¾" FI  | 20       |
| SP430331 | 28mm x 28mm x ½" FI  | 10       |
| SP430332 | 28mm x 28mm x ¾" FI  | 10       |
| SP430003 | 28mm x 28mm x 1" FI  | 10       |
| SP430441 | 35mm x 35mm x ½" FI  | 10       |
| SP430442 | 35mm x 35mm x ¾" FI  | 10       |
| SP430443 | 35mm x 35mm x 1" FI  | 10       |
| SP430004 | 35mm x 35mm x 1¼" FI | 10       |
| SP430551 | 42mm x 42mm x ½" FI  | 4        |
| SP430552 | 42mm x 42mm x ¾" FI  | 4        |
| SP430553 | 42mm x 42mm x 1" FI  | 4        |
| SP430005 | 42mm x 42mm x 1½" FI | 4        |
| SP430661 | 54mm x 54mm x ½" FI  | 2        |
| SP430662 | 54mm x 54mm x ¾" FI  | 2        |
| SP430663 | 54mm x 54mm x 1" FI  | 2        |
| SP430006 | 54mm x 54mm x 2" FI  | 2        |



## SP440 Flanged Adaptor PN16

| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| SP440001 | 15mm | 4        |
| SP440002 | 22mm | 4        |
| SP440003 | 28mm | 4        |
| SP440004 | 35mm | 4        |
| SP440005 | 42mm | 4        |
| SP440006 | 54mm | 4        |



## SP451 Stop End

| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| SP451001 | 15mm | 20       |
| SP451002 | 22mm | 10       |
| SP451003 | 28mm | 10       |
| SP451004 | 35mm | 10       |
| SP451005 | 42mm | 4        |
| SP451006 | 54mm | 4        |



## SP400 Pre-formed Pipe Bridge

| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| SP400011 | 15mm | 20       |
| SP400012 | 22mm | 20       |
| SP400013 | 28mm | 10       |



Large sizes also available. Please contact our sales team for more information.

Large sizes also available. Please contact our sales team for more information.



## SP400 Pipe Bridge

| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| SP400014 | 15mm | 20       |
| SP400015 | 22mm | 20       |
| SP400016 | 28mm | 10       |



## SPU11 Male Union Connector

| CODE     | SIZE          | PACK QTY |
|----------|---------------|----------|
| SPU11001 | 15mm x ½" MI  | 20       |
| SPU11012 | 15mm x ¾" MI  | 20       |
| SPU11023 | 22mm x 1" MI  | 20       |
| SPU11002 | 22mm x ¾" MI  | 20       |
| SPU11003 | 28mm x 1" MI  | 20       |
| SPU11034 | 28mm x 1¼" MI | 20       |
| SPU11004 | 35mm x 1¼" MI | 10       |
| SPU11005 | 42mm x 1½" MI | 4        |
| SPU11006 | 54mm x 2" MI  | 2        |



## SPU12 Female Union Connector

| CODE     | SIZE          | PACK QTY |
|----------|---------------|----------|
| SPU12001 | 15mm x ½" FI  | 20       |
| SPU12012 | 15mm x ¾" FI  | 20       |
| SPU12023 | 22mm x 1" FI  | 20       |
| SPU12002 | 22mm x ¾" FI  | 20       |
| SPU12003 | 28mm x 1" FI  | 20       |
| SPU12034 | 28mm x 1¼" FI | 20       |
| SPU12004 | 35mm x 1¼" FI | 10       |
| SPU12005 | 42mm x 1½" FI | 4        |
| SPU12006 | 54mm x 2" FI  | 2        |



## Elongation Compensator

| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| SP410111 | 15mm | 1        |
| SP410112 | 22mm | 1        |
| SP410113 | 28mm | 1        |
| SP410114 | 35mm | 1        |
| SP410115 | 42mm | 1        |
| SP410116 | 54mm | 1        |



Large sizes also available. Please contact our sales team for more information.



# GAS

## SPG410 Gas Straight Coupler

| CODE      | SIZE | PACK QTY |
|-----------|------|----------|
| SPG410001 | 15mm | 20       |
| SPG410002 | 22mm | 20       |
| SPG410003 | 28mm | 20       |
| SPG410004 | 35mm | 10       |
| SPG410005 | 42mm | 4        |
| SPG410006 | 54mm | 4        |



## SPG410 Gas Straight Slip Coupler

| CODE      | SIZE | PACK QTY |
|-----------|------|----------|
| SPG4100S1 | 15mm | 20       |
| SPG4100S2 | 22mm | 20       |
| SPG4100S3 | 28mm | 20       |
| SPG4100S4 | 35mm | 10       |
| SPG4100S5 | 42mm | 4        |
| SPG4100S6 | 54mm | 4        |



## SPG411 Gas Male Adaptor

| CODE      | SIZE             | PACK QTY |
|-----------|------------------|----------|
| SPG411001 | 15mm x 1/2" MI   | 20       |
| SPG411012 | 15mm x 3/4" MI   | 20       |
| SPG411021 | 22mm x 1/2" MI   | 20       |
| SPG411002 | 22mm x 3/4" MI   | 20       |
| SPG411023 | 22mm x 1" MI     | 20       |
| SPG411032 | 28mm x 3/4" MI   | 20       |
| SPG411003 | 28mm x 1" MI     | 20       |
| SPG411034 | 28mm x 1 1/4" MI | 20       |
| SPG411043 | 35mm x 1" MI     | 10       |
| SPG411004 | 35mm x 1 1/4" MI | 10       |
| SPG411045 | 35mm x 1 1/2" MI | 10       |
| SPG411054 | 42mm x 1 1/4" MI | 4        |
| SPG411005 | 42mm x 1 1/2" MI | 4        |
| SPG411065 | 54mm x 1 1/2" MI | 4        |
| SPG411006 | 54mm x 2" MI     | 4        |



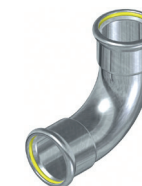
## SPG412 Gas Female Adaptor

| CODE      | SIZE             | PACK QTY |
|-----------|------------------|----------|
| SPG412001 | 15mm x 1/2" FI   | 20       |
| SPG412012 | 15mm x 3/4" FI   | 20       |
| SPG412021 | 22mm x 1/2" FI   | 20       |
| SPG412002 | 22mm x 3/4" FI   | 20       |
| SPG412023 | 22mm x 1" FI     | 20       |
| SPG412032 | 28mm x 3/4" FI   | 20       |
| SPG412003 | 28mm x 1" FI     | 20       |
| SPG412034 | 28mm x 1 1/4" FI | 20       |
| SPG412043 | 35mm x 1" FI     | 10       |
| SPG412004 | 35mm x 1 1/4" FI | 10       |
| SPG412045 | 35mm x 1 1/2" FI | 10       |
| SPG412054 | 42mm x 1 1/4" FI | 4        |
| SPG412005 | 42mm x 1 1/2" FI | 4        |
| SPG412065 | 54mm x 1 1/2" FI | 4        |
| SPG412006 | 54mm x 2" FI     | 4        |



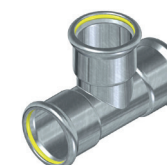
## SPG415 Gas 90° F.I x F.I Elbow

| CODE      | SIZE | PACK QTY |
|-----------|------|----------|
| SPG415001 | 15mm | 20       |
| SPG415002 | 22mm | 20       |
| SPG415003 | 28mm | 20       |
| SPG415004 | 35mm | 10       |
| SPG415005 | 42mm | 4        |
| SPG415006 | 54mm | 2        |



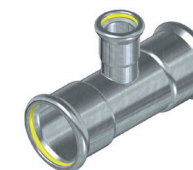
## SPG418 Gas Equal Tee

| CODE      | SIZE | PACK QTY |
|-----------|------|----------|
| SPG418001 | 15mm | 20       |
| SPG418002 | 22mm | 20       |
| SPG418003 | 28mm | 10       |
| SPG418004 | 35mm | 10       |
| SPG418005 | 42mm | 4        |
| SPG418006 | 54mm | 2        |



## SPG418 Gas Reducing Tee

| CODE      | SIZE               | PACK QTY |
|-----------|--------------------|----------|
| SPG418221 | 22mm x 22mm x 15mm | 20       |
| SPG418331 | 28mm x 28mm x 15mm | 10       |
| SPG418332 | 28mm x 28mm x 22mm | 10       |
| SPG418441 | 35mm x 35mm x 15mm | 10       |
| SPG418442 | 35mm x 35mm x 22mm | 10       |
| SPG418443 | 35mm x 35mm x 28mm | 10       |
| SPG418551 | 42mm x 42mm x 15mm | 4        |
| SPG418552 | 42mm x 42mm x 22mm | 4        |
| SPG418553 | 42mm x 42mm x 28mm | 4        |
| SPG418554 | 42mm x 42mm x 35mm | 4        |
| SPG418661 | 54mm x 54mm x 15mm | 2        |
| SPG418662 | 54mm x 54mm x 22mm | 2        |
| SPG418663 | 54mm x 54mm x 28mm | 2        |
| SPG418664 | 54mm x 54mm x 35mm | 2        |
| SPG418665 | 54mm x 54mm x 42mm | 2        |



Large sizes also available. Please contact our sales team for more information.

Large sizes also available. Please contact our sales team for more information.



## SPG417 Gas Female Angle Adaptor

| CODE      | SIZE             | PACK QTY |
|-----------|------------------|----------|
| SPG417001 | 15mm x 1/2" FI   | 20       |
| SPG417002 | 22mm x 3/4" FI   | 10       |
| SPG417003 | 28mm x 1" FI     | 10       |
| SPG417004 | 35mm x 1 1/4" FI | 10       |



## SPG419 Gas M.I x F.I Reducer

| CODE      | SIZE        | PACK QTY |
|-----------|-------------|----------|
| SPG419021 | 22mm x 15mm | 20       |
| SPG419031 | 28mm x 15mm | 20       |
| SPG419032 | 28mm x 22mm | 20       |
| SPG419041 | 35mm x 15mm | 10       |
| SPG419042 | 35mm x 22mm | 10       |
| SPG419043 | 35mm x 28mm | 10       |
| SPG419051 | 42mm x 15mm | 4        |
| SPG419052 | 42mm x 22mm | 4        |
| SPG419053 | 42mm x 28mm | 4        |
| SPG419054 | 42mm x 35mm | 4        |
| SPG419061 | 54mm x 15mm | 4        |
| SPG419062 | 54mm x 22mm | 4        |
| SPG419063 | 54mm x 28mm | 4        |
| SPG419064 | 54mm x 35mm | 4        |
| SPG419065 | 54mm x 42mm | 4        |



## SPG425 Gas 45° M.I x F.I Elbow

| CODE      | SIZE | PACK QTY |
|-----------|------|----------|
| SPG425001 | 15mm | 20       |
| SPG425002 | 22mm | 20       |
| SPG425003 | 28mm | 10       |
| SPG425004 | 35mm | 10       |
| SPG425005 | 42mm | 4        |
| SPG425006 | 54mm | 2        |



## SPG435 Gas 90° M.I x F.I Elbow

| CODE      | SIZE | PACK QTY |
|-----------|------|----------|
| SPG435001 | 15mm | 20       |
| SPG435002 | 22mm | 20       |
| SPG435003 | 28mm | 10       |
| SPG435004 | 35mm | 10       |
| SPG435005 | 42mm | 4        |
| SPG435006 | 54mm | 2        |



## SPG445 Gas 45° F.I x F.I Elbow

| CODE      | SIZE | PACK QTY |
|-----------|------|----------|
| SPG445001 | 15mm | 20       |
| SPG445002 | 22mm | 20       |
| SPG445003 | 28mm | 10       |
| SPG445004 | 35mm | 10       |
| SPG445005 | 42mm | 4        |
| SPG445006 | 54mm | 2        |



## SPG430 Gas Tee Press x Press x F.I

| CODE      | SIZE                    | PACK QTY |
|-----------|-------------------------|----------|
| SPG430001 | 15mm x 15mm x 1/2" FI   | 20       |
| SPG430221 | 22mm x 22mm x 1/2" FI   | 20       |
| SPG430002 | 22mm x 22mm x 3/4" FI   | 20       |
| SPG430331 | 28mm x 28mm x 1/2" FI   | 10       |
| SPG430332 | 28mm x 28mm x 3/4" FI   | 10       |
| SPG430003 | 28mm x 28mm x 1" FI     | 10       |
| SPG430441 | 35mm x 35mm x 1/2" FI   | 10       |
| SPG430442 | 35mm x 35mm x 3/4" FI   | 10       |
| SPG430443 | 35mm x 35mm x 1" FI     | 10       |
| SPG430004 | 35mm x 35mm x 1 1/4" FI | 10       |
| SPG430551 | 42mm x 42mm x 1/2" FI   | 4        |
| SPG430552 | 42mm x 42mm x 3/4" FI   | 4        |
| SPG430553 | 42mm x 42mm x 1" FI     | 4        |
| SPG430005 | 42mm x 42mm x 1 1/2" FI | 4        |
| SPG430661 | 54mm x 54mm x 1/2" FI   | 2        |
| SPG430662 | 54mm x 54mm x 3/4" FI   | 2        |
| SPG430663 | 54mm x 54mm x 1" FI     | 2        |
| SPG430006 | 54mm x 54mm x 2" FI     | 2        |



## SPG440 Gas Flanged Adaptor PN16

| CODE      | SIZE | PACK QTY |
|-----------|------|----------|
| SPG440001 | 15mm | 4        |
| SPG440002 | 22mm | 4        |
| SPG440003 | 28mm | 4        |
| SPG440004 | 35mm | 4        |
| SPG440005 | 42mm | 4        |
| SPG440006 | 54mm | 4        |



## SPG451 Gas Stop End

| CODE      | SIZE | PACK QTY |
|-----------|------|----------|
| SPG451001 | 15mm | 20       |
| SPG451002 | 22mm | 10       |
| SPG451003 | 28mm | 10       |
| SPG451004 | 35mm | 10       |
| SPG451005 | 42mm | 4        |
| SPG451006 | 54mm | 4        |



## Valve Connector With Swivel

| CODE      | SIZE             | PACK QTY |
|-----------|------------------|----------|
| SPGS12001 | 15mm x 1/2" FI   | 20       |
| SPGS12002 | 22mm x 3/4" FI   | 20       |
| SPGS12003 | 28mm x 1" FI     | 10       |
| SPGS12004 | 35mm x 1 1/4" FI | 10       |
| SPGS12005 | 42mm x 1 1/2" FI | 4        |
| SPGS12006 | 54mm x 2" FI     | 4        |



Large sizes also available. Please contact our sales team for more information.

Large sizes also available. Please contact our sales team for more information.

# PIPE

## Instantor Stainless Steel Pipe - 5M Length

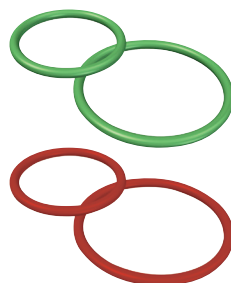
| CODE    | SIZE         | BUNDLE QTY |
|---------|--------------|------------|
| ISSP111 | 15mm x 0.6mm | 80         |
| ISSP112 | 22mm x 0.7mm | 61         |
| ISSP113 | 28mm x 0.8mm | 44         |
| ISSP114 | 35mm x 1.0mm | 44         |
| ISSP115 | 42mm x 1.2mm | 44         |
| ISSP116 | 54mm x 1.2mm | 37         |



# O-RINGS

## FKM O-Rings

| CODE     | SIZE         | BUNDLE QTY |
|----------|--------------|------------|
| SP000001 | 15mm (Red)   | 10         |
| SP000002 | 22mm (Red)   | 10         |
| SP000003 | 28mm (Red)   | 10         |
| SP000004 | 35mm (Red)   | 10         |
| SP000005 | 42mm (Red)   | 10         |
| SP000006 | 54mm (Red)   | 10         |
| SP000007 | 15mm (Green) | 10         |
| SP000008 | 22mm (Green) | 10         |
| SP000009 | 28mm (Green) | 10         |
| SP000010 | 35mm (Green) | 10         |
| SP000011 | 42mm (Green) | 10         |
| SP000012 | 54mm (Green) | 10         |



### FKM O-ring (Green) Fluoroelastomer Rubber

- Applications: Oils, hydrocarbons, solar, fuels, technical liquids, and compressed air (oil purity class 0-X).
- Temperature Range: -20°C to +200°C dry app (hot air) or wet app (oils or primary solar energy circuits)
- Max Pressure: 16 Bar

### FKM O-ring (Red) Fluoroelastomer Rubber

- Applications: Saturated steam and solar installations.
- Temperature Range: -10°C to +160°C (constant) Short peak exposure +170/180°C.
- Max Pressure: 7 Bar

Large sizes also available. Please contact our sales team for more information.



**Instantor®**  
Stainless Steel Press

### CERTIFICATION:



Instantor Stainless Steel Press Fittings & Pipe  
WRAS Approval Number: 2011112



Instantor Stainless Steel Gas Press Fittings  
BSI Kitemark Certificate Number: KM779147



Instantor Stainless Steel Gas Press Fittings  
DVGW Certificate Number: DW-8511BU0128  
Instantor Stainless Steel Pipe  
DVGW Certificate Number: DW-7301BS0260

## TECHNICAL INFORMATION

### PRESSING PROFILE:

M Profile - Sizes: 15mm, 22mm, 28mm, 35mm, 42mm & 54mm

### APPLICATION:

Black EPDM O-rings Ethylene rubber: -20°C to +100°C

Suitable for use in the following applications:

- Hot & cold potable water systems
- Fire protection services
- Water based heating systems
- Compressed air (oil free)

Yellow HNBR O-rings Nitrile rubber: -20°C to +70°C

Suitable for use in the following applications:

- GAS MOP1 & MOP5, GT1

### SYSTEM TESTING:

The finished pipes undergo leak-tightness testing before being covered or painted. Water is used for testing in drinking water and heating installations. The results of the leak-tightness testing should be appropriately documented. If it is anticipated that the pipe installation will not be operational for an extended period after the leak-tightness test, and to protect the installation against potential corrosive processes (with a high probability of puncture corrosion), we recommend conducting the leak-tightness test using air instead of water (please verify whether corresponding authorization is required for conducting the air test).

### Drinking Water Installations

The leak-tightness test for the installed pipes is conducted in accordance with current regulations. The pipes should be filled with filtered water to eliminate any air. This leak-tightness test is employed for both the preliminary and main test; the preliminary test may suffice for smaller parts of the installation, such as connection and distribution piping in wet areas.

**Preliminary test:** Apply a test pressure equivalent to the acceptable overpressure plus 5 bar. Repeat this test pressure twice for ten minutes, within a total interval of 30 minutes. After an additional 30 minutes, the test pressure should not have decreased by more than 0.6 bar (0.1 bar per 5 minutes).

**Main test:** Immediately following the preliminary test. The test lasts 120 minutes. After this 120-minute period, the pressure reading from the end of the preliminary test should not have fallen by more than 0.2 bar. There should be no visible signs of leakage in any part of the installation checked.

**Air tightness test:** If deemed appropriate, should be conducted with the corresponding authorization.

### Heating Installations

The leak-tightness test for the pipes is conducted using water. In water-based heating systems, the test pressure is set at 1.3 times higher than the overall pressure at each point in the installation, with a minimum pressure increase of 1 bar. If possible, immediately after the leak-tightness test using cold water, the installation should be checked to verify its leak-tightness at its maximum temperature. This is accomplished by heating the water to the maximum temperature on which the calculation is based. The pipes are then flushed with drinking water before being put into operation.

### GUARANTEE:

Instantor Stainless Steel Press Fittings and Pipes come with a 10-year warranty, covering defects in manufacture attributable to our areas of responsibility. The warranty is applicable when the joint is created using Instantor Stainless Steel Press fittings and pipes, and the joint is press-fitted under a pressure of not less than 19kN for pipe diameters of 15-28mm and 32kN for pipe diameters of 28-54mm, using an Instantor Press M-profile jaw. For diameters greater than 54mm, please consult our technical department. This warranty is not valid if the installation was performed by non-professionals or if the assembly instructions in our manual were not followed. Civil responsibility is limited to a period of ten years after the installation. In the event of damage, it must be communicated to us in writing within five days of the accident. Defective Instantor Stainless Steel Press Fittings and Pipes must be retained and made available to our technicians for the necessary checks in each case.



# Instantor<sup>®</sup>

Tools

INSTANTOR  
TOOLS



## Tools that keep up with you - Every step of the way.

What's the point of having top-notch fittings if your tools aren't up to the job? At Instantor, we've made sure our press tools are just as solid as the rest of our gear. Built for the pros, these tools are designed to make your life easier, with kits you can customise to suit your job. Whether you need TH or M jaws, we've got the right tool for any press, no sweat.

Got a tricky spot to reach? No problem. Our angled jaws are perfect for those hard-to-reach areas. Need flexibility? The rotating head and single-handed operation mean you can work faster and more comfortably, without the usual strain.

The Instantor Press Tool features a direct-drive, long-life brushless motor for reliable, high-performance operation. A digital OLED screen displays fault indicators, battery life, and press counts, while the integrated work light helps you see clearly in dark installations. The swivel head makes tackling awkward angles a breeze.

You'll use the same trusted Instantor jaws and battery packs across the range – and with enhanced balance and ergonomics, the tool feels great in your hand. Plus, our extended 3-year warranty gives you peace of mind that lasts.

We also offer full calibration and servicing support for all Instantor tools – because we know how important it is to keep your gear in top shape. Built by plumbers, for plumbers – Instantor tools are made to last. No messing around.







# Instantor®

## Tools

### FEATURES

- **UNIVERSAL APPLICATIONS** - Supplied with TH or M profile jaws
- **ERGONOMIC DESIGN** - Non-slip rubber grips, carry strap & single-handed operation
- **ROTATING HEAD** - Allowing you to reach tricky spots with ease
- **OLED Display** - Press count, battery power, working pressure, maintenance notes, & fault codes
- **CALIBRATION** - Calibration & servicing offered in-house by Instantor

### JAW SUMMARY

#### TH Profile

- Suitable for use with Instantor Press System
- Jaw sizes range from 16mm - 63mm

#### M Profile

- Suitable for use with Instantor Copper Press Fittings (metric) & Instantor Stainless Steel Press
- Jaw sizes range from 15mm - 54mm
- Angled jaw sizes range from 15mm & 22mm

### CALIBRATION & SERVICING

#### IT2030 INSTANTOR MINI PRESS TOOL

- Calibration due every 12 months / 20,000 cycles

#### IT2040 INSTANTOR LARGE PRESS TOOL

- Calibration due every 12 months / 30,000 cycles

Contact [techsupport@instantor.co.uk](mailto:techsupport@instantor.co.uk) to book your Instantor Press Tool Calibration and service.



# TH PROFILE

## Mini Mechanical Press Tool - TH Kit

| CODE      | CONTENTS                                                                                                            |
|-----------|---------------------------------------------------------------------------------------------------------------------|
| IT2030THK | 18V Mini Mechanical Press Tool<br>16, 20, 26 & 32mm TH Jaws<br>2 x 4.0Ah Batteries<br>Storage Case<br>Output - 19kN |



## Mini Press Tool - TH Jaws

| CODE    | SIZE    |
|---------|---------|
| IT20022 | 16mm TH |
| IT20023 | 20mm TH |
| IT20024 | 26mm TH |
| IT20025 | 32mm TH |



## Large Press Tool 18V - TH Kit

| CODE      | CONTENTS                                                                                                                                      |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| IT2040THK | 18V Press Tool<br>40, 50 & 63mm M Jaws<br>Adaptor Tongs (Required for 50 & 63mm Jaws)<br>2 x 4.0Ah Batteries<br>Storage Case<br>Output - 32kN |



## Large Press Tool - TH Jaws

| CODE     | SIZE                       |
|----------|----------------------------|
| IT20026  | 40mm TH                    |
| IT20027* | 50mm TH Jaw Ring           |
| IT20028* | 63mm TH Jaw Ring           |
| IT20029  | Adaptor Tong for 50 & 63mm |

\*Requires Adaptor Tong IT20029



## TH Jaw Case

| CODE       | CONTENTS                      |
|------------|-------------------------------|
| IT20050THK | 16, 20, 26 & 32mm Jaws & Case |
| IT20050    | Case Only                     |



# M PROFILE

## Mini Mechanical Press Tool - M Kit

| CODE     | CONTENTS                                                                                                       |
|----------|----------------------------------------------------------------------------------------------------------------|
| IT2030MK | 18V Mini Mechanical Press Tool<br>15, 22 & 28mm M Jaws<br>2 x 4.0Ah Batteries<br>Storage Case<br>Output - 19kN |



## Mini Press Tool - M Jaws

| CODE    | SIZE   |
|---------|--------|
| IT20030 | 15mm M |
| IT20031 | 22mm M |
| IT20032 | 28mm M |



## Large Press Tool 18V - M Kit

| CODE     | CONTENTS                                                                                                                                      |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| IT2040MK | 18V Press Tool<br>35, 42 & 54mm M Jaws<br>Adaptor Tongs (Required for 42 & 54mm Jaws)<br>2 x 4.0Ah Batteries<br>Storage Case<br>Output - 32kN |



## Large Press Tool - M Jaws

| CODE     | SIZE                       |
|----------|----------------------------|
| IT20033  | 35mm M                     |
| IT20034* | 42mm M Jaw Ring            |
| IT20035* | 54mm M Jaw Ring            |
| IT20029  | Adaptor Tong for 42 & 54mm |

\*Requires Adaptor Tong IT20029



## M Jaws - Angled

| CODE    | SIZE            |
|---------|-----------------|
| IT20065 | Adaptor         |
| IT20063 | 15mm M - Angled |
| IT20064 | 22mm M - Angled |



## M Jaw Case

| CODE      | CONTENTS                  |
|-----------|---------------------------|
| IT20050MK | 15, 22 & 28mm Jaws & Case |
| IT20050   | Case Only                 |





# ACCESSORIES

## 4.0Ah Battery

| CODE    | DESCRIPTION         |
|---------|---------------------|
| IT20042 | Spare 4.0Ah Battery |



## Drill Pipe Reamers

| CODE    | DESCRIPTION                                         |
|---------|-----------------------------------------------------|
| IP20050 | Full Kit incl. 16, 20, 26 & 32 mm + Manual T-Handle |
| IP20051 | 16mm Drill Reamer                                   |
| IP20052 | 20mm Drill Reamer                                   |
| IP20053 | 26mm Drill Reamer                                   |
| IP20054 | 32mm Drill Reamer                                   |
| IP20066 | 40mm Drill Reamer                                   |
| IP20067 | 50mm Drill Reamer                                   |
| IP20068 | 63mm Drill Reamer                                   |
| IP20059 | Manual T-Handle                                     |



## Manual Pipe Reamer

| CODE    | DESCRIPTION | BOX QTY |
|---------|-------------|---------|
| IP20010 | 16mm – 26mm | 40      |
| IP20011 | 20mm – 32mm | 30      |



## Pipe Cutter

| CODE    | SIZE       |
|---------|------------|
| IP20016 | Up to 32mm |
| IP20009 | Up to 63mm |



## Tube Cutter

| CODE   | SIZE      |
|--------|-----------|
| 900115 | 15mm / ½" |
| 900122 | 22mm      |
| 900121 | ¾"        |
| 900117 | 28mm      |
| 900123 | 1"        |



# PAKTERMO

by  Instantor®

## CORRUGATED STAINLESS STEEL TUBE & FITTINGS

10  
YEAR  
GUARANTEE

### Cut Time, Not Corners - Gas Installs Made Simple.

Installing gas systems doesn't have to be a headache. With Paktermo by Instantor, you'll get the job done up to 70% faster. Paktermo's corrugated stainless steel tubes and brass fittings make gas installs a walk in the park. Fewer tools are needed, and with no split rings or PTFE tape, you can forget about all the fiddly bits that slow you down.

Whether you're working inside or out, Paktermo's got you sorted. It's safer, more reliable, and with heat-shrink sleeves making installs a breeze, you'll get a perfect fit every time. Plus, the fittings are reusable, so you're cutting down on waste and saving a few quid too.

Here's the deal - all components have to be Paktermo branded to guarantee a perfect fit. Our fittings come with an 8mm spacer to make pipe placement a doddle, and with a 10-year guarantee, you can trust this system to last. Plus, by cutting out extra steps and tools, you'll be working more safely and conveniently than ever before.

With Paktermo by Instantor, you're getting more than just materials - you're getting faster installs, fewer tools, and zero hassle. It's a system built to make your life easier, letting you focus on getting the job done right, the first time, every time.





# PAKTERMO

by  Instantor®

## INSTALLATION INSTRUCTIONS



1. Trim the tubing to the desired length using a tube cutters positioned between two corrugations. Gradually increase roller pressure after each turn. If the tube end isn't smooth and contains burrs, trim it again.



2. Place the sleeve remover tool around the tube, ensuring it's approximately 80mm from the cut end. Rotate it at least three times to slice through the outer layer while preserving the inner covering intact.



3. To remove the outer sleeve, firmly hold one end with one hand, and twist and pull it off the pipe with your other hand.



4. Use a utility knife or a sleeve remover tool to cut the inner cover from the tubing end. Cut at the 6th corrugation for DN15, DN20, DN25, and DN32, and at the 5th corrugation for DN40 and DN50. Pay close attention to the number of corrugations.



5. Insert the tube into the fittings securely until the metal part of the tube is no longer visible.



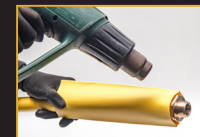
6. Remove the yellow rings between the nut and fitting.



7. Hand-tighten the nut after inserting the tube into the fittings. Then, use a wrench to further tighten the nut. Ensure that the tubing remains fixed while tightening the nut. Tighten the nuts until they are securely in place ensuring not to over tighten.



8. Trim the heat shrink tube to match the length needed to cover the fittings and pipe connection area. Once the end connection is assembled, slide the heat shrink tube onto it.  
NB: Minimum length of 300mm heat shrink required to ensure full protection of fitting & tube.



9. Apply a hot air gun to shrink the tube over the pipe and fittings.



10. Trim and tidy up the heat shrink parts that extend toward the teeth of the fittings using a utility knife.

# PAKTERMO



# Fittings

## Straight Coupler

| CODE      | SIZE |
|-----------|------|
| P26.F2.01 | DN15 |
| P26.F2.02 | DN20 |
| P26.F2.03 | DN25 |
| P26.F2.04 | DN32 |
| P26.F2.05 | DN40 |
| P26.F2.06 | DN50 |



## Male Connector

| CODE      | SIZE            |
|-----------|-----------------|
| P26.F1.01 | DN15 x R 1/2"   |
| P26.F1.06 | DN20 x R 1/2"   |
| P26.F1.02 | DN20 x R 3/4"   |
| P26.F1.03 | DN25 x R 3/4"   |
| P26.F1.04 | DN25 x R 1"     |
| P26.F1.07 | DN32 x R 1"     |
| P26.F1.05 | DN32 x R 1 1/4" |
| P26.F1.21 | DN40 x R 1 1/2" |
| P26.F1.24 | DN50 x R 2"     |



## Female Connector

| CODE      | SIZE           |
|-----------|----------------|
| P26.FM.01 | DN15 x 1/2"F   |
| P26.FM.07 | DN20 x 1/2"F   |
| P26.FM.02 | DN20 x 3/4"F   |
| P26.FM.08 | DN25 x 1/2"F   |
| P26.FM.03 | DN25 x 3/4"F   |
| P26.FM.04 | DN25 x 1"F     |
| P26.FM.09 | DN32 x 3/4"F   |
| P26.FM.06 | DN32 x 1"F     |
| P26.FM.05 | DN32 x 1 1/4"F |



## Copper Compression Straight

| CODE       | SIZE         |
|------------|--------------|
| P26.F25.01 | DN 15 x 15mm |
| P26.F25.02 | DN 20 x 15mm |
| P26.F25.03 | DN 20 x 22mm |
| P26.F25.04 | DN 25 x 22mm |
| P26.F25.05 | DN 25 x 28mm |
| P26.F25.06 | DN 32 x 28mm |
| P26.F25.07 | DN 32 x 35mm |
| P26.F25.08 | DN 32 x 22mm |



## Tee

| CODE      | SIZE              |
|-----------|-------------------|
| P26.F3.01 | DN 20 x 15 x 20mm |
| P26.F3.02 | DN 20 x 20 x 20mm |
| P26.F3.03 | DN 25 x 15 x 20mm |
| P26.F3.04 | DN 25 x 25 x 25mm |
| P26.F3.05 | DN 32 x 25 x 25mm |
| P26.F3.06 | DN 25 x 20 x 25mm |
| P26.F3.07 | DN 15 x 15 x 15mm |
| P26.F3.08 | DN 20 x 15 x 15mm |
| P26.F3.10 | DN 25 x 20 x 15mm |
| P26.F3.12 | DN 25 x 20 x 20mm |
| P26.F3.13 | DN 20 x 25 x 20mm |
| P26.F3.14 | DN 25 x 25 x 20mm |



## Tube

| CODE      | SIZE            |
|-----------|-----------------|
| P26.D1.30 | DN15 - 30M Coil |
| P26.D1.75 | DN15 - 75M Coil |
| P26.D2.30 | DN20 - 30M Coil |
| P26.D2.75 | DN20 - 75M Coil |
| P26.D3.30 | DN25 - 30M Coil |
| P26.D3.75 | DN25 - 75M Coil |
| P26.D4.30 | DN32 - 30M Coil |
| P26.D4.75 | DN32 - 75M Coil |
| P26.D5.30 | DN40 - 30M Coil |
| P26.D5.75 | DN40 - 75M Coil |
| P26.D6.30 | DN50 - 30M Coil |
| P26.D6.75 | DN50 - 75M Coil |



## Packs

| CODE       | CONTENTS                                                                        |
|------------|---------------------------------------------------------------------------------|
| Y68ST15D05 | Duo Hose DN15x5M, 2 x Male Connection DN15 x R 1/2", 2 x 30cm DN15 Heat Shrink  |
| Y68ST15D10 | Duo Hose DN15x10M, 2 x Male Connection DN15 X R 1/2", 2 x 30cm DN15 Heat Shrink |
| Y68ST15D15 | Duo Hose DN15x15M, 2 x Male Connection DN15 X R 1/2", 2 x 30cm DN15 Heat Shrink |
| Y68ST20D05 | Duo Hose DN20x5M, 2 x Male Connection DN20 X R 3/4", 2 x 30cm DN20 Heat Shrink  |
| Y68ST20D10 | Duo Hose DN20x10M, 2 x Male Connection DN20 X R 3/4", 2 x 30cm DN20 Heat Shrink |
| Y68ST20D15 | Duo Hose DN20x15M, 2 x Male Connection DN20 X R 3/4", 2 x 30cm DN20 Heat Shrink |

## Heat Shrink

| CODE   | SIZE                     |
|--------|--------------------------|
| PLC.01 | Ø40 DN15 - 3M Length     |
| PLC.02 | Ø50 DN20-25 - 3M Lengths |
| PLC.03 | Ø70 DN32 - 3M Lengths    |
| PLC.04 | Ø80 DN40 - 3M Lengths    |

## Tools

| CODE  | SIZE                          |
|-------|-------------------------------|
| PSA01 | Sleeve Removal Tool DN15-DN25 |
| PKA01 | Pipe Cutter DN15-DN50         |



by  Instantor®

#### HEAT PUMP HOSES & PUSH-FIT FITTINGS

10  
YEAR  
WARRANTY

#### Smarter Heat Pump Installs Start Here.

Say goodbye to clunky, rigid pipework and hello to flexibility with PAKTERMO HP hoses – the no-fuss solution for fast, secure heat pump connections. Featuring a UV-resistant outer layer and closed-cell insulation to fend off the elements, these hoses help heat pump systems run efficiently by minimising heat loss and preventing condensation.

Supplied in ready-to-use 10m coils, they can be easily cut to length, ideal for tight installs close to the house wall. And with flexible corrugated pipework, you've got the freedom to position the outdoor unit exactly where it works best. Heat pumps generate vibration and pressure shifts during operation, but PAKTERMO HP hoses are built to handle it. The stainless steel construction absorbs vibration and pressure spikes, protecting connections and extending system life. And thanks to rust-resistant materials, you'll cut down on corrosion worries, keeping your install tight and reliable. From fast fit-outs to long-term peace of mind, these hoses deliver performance, flexibility, and simplicity, just the way it should be.

#### Push-Fit, Stress-Free.

Pair your PAKTERMO HP hoses with Paktermo Push-Fit fittings, and you've got a system that's as smart as it is simple. No fiddly parts, no extra steps, just push the fitting onto the pipe, tighten with a wrench, and you're good to go. It's a faster, cleaner way to connect, cutting install time by up to 50%. The secure seal keeps leaks locked out, and if you need to make changes later, disassembly is quick and tool-free. Designed for speed and built to last – pair them with PAKTERMO HP hoses for a seamless heat pump installation.

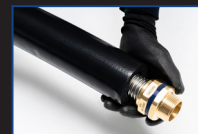




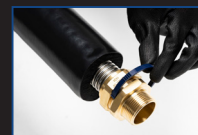
# PAKTERMO

by  Instantor®

## INSTALLATION INSTRUCTIONS



1. To install Paktermo by Instantor heat pump hoses, strip at least six grooves of the corrugated pipe to expose a clean section. Then push the fitting over the stripped pipe with firm pressure until you hear a clicking sound, indicating that the fitting is securely locked in place.



2. Remove the blue plastic ring located between the union nut and the fitting.



3. First, tighten the nut by hand after inserting the tube into the fitting. Then, using a wrench, further tighten the nut while keeping the tubing fixed in place. Tighten the nut until it is in abutment, but do not exceed the torque values specified in the table.

| Tube Diameter | Assemble Torque Values (Nm) |      |
|---------------|-----------------------------|------|
|               | Min.                        | Max. |
| 32mm          | 100                         | 130  |

## TECHNICAL SPECIFICATIONS

**Material:** Stainless Steel 316L (1.4404)  
**Diameter Range:** DN32  
**Temperature Range:** -270°C + 600°C  
**Test Pressure:** 1.5 times the max working pressure  
**Burst Pressure:** 4 times the max working pressure  
**Standard:** EN ISO 10380

| DN          | Inner Diameter | Outer Diameter | Tolerance | Minimum Bending Radius Static | Maximum Working Pressure at 20°C | Surface Area | Internal Volume |
|-------------|----------------|----------------|-----------|-------------------------------|----------------------------------|--------------|-----------------|
| 32mm / 1 ¼" | 32mm           | 38.70mm        | ±0.5mm    | 40r min. mm                   | 5bar                             | 0.199 m²/m   | 0.930 dm³/m     |



# Heat Pump Hoses & Push-fit Fittings

## Heat Pump Corrugated Pipe

| CODE    | SIZE             |
|---------|------------------|
| 11CGP32 | DN 32 x 10M Coil |

## Male Connection

| CODE       | SIZE             |
|------------|------------------|
| Y68P50F105 | DN 32 x 1 1/4" M |
| Y68P50F123 | DN 32 x 1 1/2" M |



## Female Connection

| CODE       | SIZE             |
|------------|------------------|
| Y68P50FM05 | DN 32 x 1 1/4" F |
| Y68P50FM12 | DN 32 x 1 1/2" F |



## Union Connection

| CODE       | SIZE          |
|------------|---------------|
| Y68P50F204 | DN 32 x DN 32 |



## Insulated Tape

| CODE      | SIZE      |
|-----------|-----------|
| Y68350021 | 3m x 75mm |

## Pipe Bracket

| CODE     | SIZE  |
|----------|-------|
| 15YD0032 | DN 32 |





# Instantor<sup>®</sup>

## Brass Compression Fittings

INSTANTOR  
BRASS COMPRESSION FITTINGS

25  
YEAR

### The Original Brass Compression Fittings – Built on Decades of Excellence.

Since 1926, Instantor has set the benchmark for Brass Compression Fittings, and we're not about to let that change. Made from high grade CW617N Brass, these fittings are built to last, packing decades of expertise into every piece.

Forget about fiddly soldering or welding – our compression fittings are all about quick and hassle-free installs. Just fit, tighten, and you're done. No leaks, no mess, no drama.

With a range that covers everything from 8mm to 54mm, and built to handle high pressures and temperatures, these fittings are ready for anything you throw at them. Whether it's a cozy home project or a beast of an industrial job, Instantor's Brass Compression Fittings have got you covered.

NSAI & WRAS certified? Check. Reliable plumbing? Absolutely. Grab Instantor Compression Fittings and get the job done right – no fuss, just solid, dependable performance.







# Instantor®

## Brass Compression Fittings

### FEATURES

- **CERTIFIED** - KIWA, NSAI & WRAS approval
- **QUICK TO INSTALL** - Ensuring speed, simplicity & neatness
- **FLAME-FREE** - No need for soldering, welding, or hot works permits
- **PROVEN MATERIALS** - Manufactured using high quality CW617N brass
- **EXTENSIVE OFFERING** - Available in metric sizing from 8mm - 54mm

### TECHNICAL SUMMARY

- **Max Operating Pressure:** 30°C – 16 Bar | 109°C – 6 Bar
- **Min operating Pressure:** 0 Bar
- **Max Operating Temperature:** 110°C
- **Min Operating Temperature:** -20°C (flowing water)
- **Material:** CW617N Brass



## 410 Straight Coupler C x C



| CODE   | SIZE               | BOX QTY | PACK QTY |
|--------|--------------------|---------|----------|
| 410077 | 8mm                | -       | 10       |
| 410088 | 10mm               | -       | 10       |
| 410099 | 12mm               | -       | 10       |
| 410001 | 15mm               | 250     | 10       |
| 410002 | 22mm               | 110     | 10       |
| 410003 | 28mm               | -       | 10       |
| 410004 | 35mm               | -       | L        |
| 410005 | 42mm               | -       | L        |
| 410006 | 54mm               | -       | L        |
| 410087 | 10 x 8mm           | -       | 10       |
| 410097 | 12 x 8mm           | -       | 10       |
| 410017 | 15 x 8mm           | -       | 10       |
| 410098 | 12 x 10mm          | -       | 10       |
| 410018 | 15 x 10mm          | -       | 10       |
| 410318 | 15mm x 10mm (3/8") | -       | -        |
| 410019 | 15 x 12mm          | -       | 10       |
| 410021 | 22 x 15mm          | -       | 10       |
| 410022 | 22mm x 3/4"        | -       | -        |
| 410031 | 28mm x 15mm        | -       | -        |
| 410032 | 28 x 22mm          | -       | 10       |

## 411 Straight Coupler C x M.I.



| CODE   | SIZE          | BOX QTY | PACK QTY |
|--------|---------------|---------|----------|
| 411077 | 8mm x 1/4"    | 10      | 10       |
| 411079 | 8mm x 3/8"    | 10      | 10       |
| 411071 | 8mm x 1/2"    | 10      | 10       |
| 411087 | 10mm x 1/4"   | 10      | 10       |
| 411089 | 10mm x 3/8"   | 10      | -        |
| 411081 | 10mm x 1/2"   | 10      | 10       |
| 411097 | 12mm x 1/4"   | 10      | 10       |
| 411099 | 12mm x 3/8"   | 10      | L        |
| 411091 | 12mm x 1/2"   | 10      | L        |
| 411092 | 12mm x 3/4"   | 10      | 10       |
| 411017 | 15mm x 1/4"   | 10      | 10       |
| 411019 | 15mm x 3/8"   | 10      | 10       |
| 411001 | 15mm x 1/2"   | 10      | 10       |
| 411012 | 15mm x 3/4"   | 10      | 10       |
| 411021 | 22mm x 1/2"   | 10      | -        |
| 411002 | 22mm x 3/4"   | 10      | 10       |
| 411023 | 22mm x 1"     | 10      | 10       |
| 411032 | 28mm x 3/4"   | 10      | -        |
| 411003 | 28mm x 1"     | 10      | -        |
| 411004 | 35mm x 1 1/4" | L       | -        |
| 411005 | 42mm x 1 1/2" | L       | -        |
| 411006 | 54mm x 2"     | L       | -        |

## 412 Straight Coupler C x F.I.



| CODE   | SIZE          | BOX QTY | PACK QTY |
|--------|---------------|---------|----------|
| 412077 | 8mm x 1/4"    | 10      | 10       |
| 412071 | 8mm x 1/2"    | 10      | 10       |
| 412079 | 8mm x 3/8"    | 10      | 10       |
| 412087 | 10mm x 1/4"   | 10      | 10       |
| 412081 | 10mm x 1/2"   | 10      | -        |
| 412089 | 10mm x 3/8"   | 10      | 10       |
| 412099 | 12mm x 3/8"   | 10      | 10       |
| 412091 | 12mm x 1/2"   | 10      | L        |
| 412019 | 15mm x 3/8"   | 10      | L        |
| 412001 | 15mm x 1/2"   | 10      | 10       |
| 412012 | 15mm x 3/4"   | 10      | 10       |
| 412021 | 22mm x 1/2"   | 10      | 10       |
| 412002 | 22mm x 3/4"   | 10      | 10       |
| 412023 | 22mm x 1"     | 10      | 10       |
| 412032 | 28mm x 3/4"   | 10      | -        |
| 412003 | 28mm x 1"     | 10      | 10       |
| 412004 | 35mm x 1 1/4" | L       | 10       |
| 412005 | 42mm x 1 1/2" | L       | -        |
| 412006 | 54mm x 2"     | L       | 10       |

## 414 Straight Swivel Coupler C x F.I.



| CODE   | SIZE        | BOX QTY | PACK QTY |
|--------|-------------|---------|----------|
| 414001 | 15mm x 1/2" | 10      | 10       |

## 415 Elbow C x C



| CODE   | SIZE        | BOX QTY | PACK QTY |
|--------|-------------|---------|----------|
| 415077 | 8mm         | -       | 10       |
| 415088 | 10mm        | -       | 10       |
| 415099 | 12mm        | -       | 10       |
| 415001 | 15mm        | -       | 10       |
| 415002 | 22mm        | 80      | 10       |
| 415003 | 28mm        | -       | 10       |
| 415004 | 35mm        | -       | L        |
| 415005 | 42mm        | -       | L        |
| 415006 | 54mm        | -       | L        |
| 415098 | 12 x 10mm   | -       | 10       |
| 415018 | 15 x 10mm   | -       | 10       |
| 415019 | 15 x 12mm   | -       | 10       |
| 415021 | 22 x 15mm   | -       | 10       |
| 415032 | 28mm x 22mm | -       | 10       |

## 416 Elbow C x M.I.



| CODE   | SIZE          | BOX QTY | PACK QTY |
|--------|---------------|---------|----------|
| 416077 | 8mm x 1/4"    | 10      | 10       |
| 416079 | 8mm x 3/8"    | 10      | 10       |
| 416071 | 8mm x 1/2"    | 10      | 10       |
| 416087 | 10mm x 1/4"   | 10      | 10       |
| 416089 | 10mm x 3/8"   | 10      | -        |
| 416081 | 10mm x 1/2"   | 10      | 10       |
| 416099 | 12mm x 3/8"   | 10      | 10       |
| 416091 | 12mm x 1/2"   | 10      | L        |
| 416017 | 15mm x 1/4"   | 10      | L        |
| 416019 | 15mm x 3/8"   | 10      | L        |
| 416001 | 15mm x 1/2"   | 10      | 10       |
| 416012 | 15mm x 3/4"   | 10      | 10       |
| 416021 | 22mm x 1/2"   | 10      | 10       |
| 416002 | 22mm x 3/4"   | 10      | 10       |
| 416023 | 22mm x 1"     | 10      | 10       |
| 416032 | 28mm x 3/4"   | 10      | -        |
| 416003 | 28mm x 1"     | 10      | 10       |
| 416004 | 35mm x 1 1/4" | 10      | 10       |
| 416005 | 42mm x 1 1/2" | 10      | -        |

## 417 Elbow C x F.I.



| CODE   | SIZE          | BOX QTY | PACK QTY |
|--------|---------------|---------|----------|
| 417077 | 8mm x 1/4"    | 10      | 10       |
| 417079 | 8mm x 3/8"    | 10      | 10       |
| 417089 | 10mm x 3/8"   | 10      | 10       |
| 417081 | 10mm x 1/2"   | 10      | 10       |
| 417099 | 12mm x 3/8"   | 10      | -        |
| 417001 | 15mm x 1/2"   | 10      | 10       |
| 417021 | 22mm x 1/2"   | 10      | L        |
| 417002 | 22mm x 3/4"   | 10      | L        |
| 417032 | 28mm x 3/4"   | 10      | 10       |
| 417003 | 28mm x 1"     | 10      | 10       |
| 417004 | 35mm x 1 1/4" | L       | 10       |
| 417005 | 42mm x 1 1/2" | 10      | 10       |

## P417 Elbow F.I. x Poly



| CODE   | SIZE        | BOX QTY | PACK QTY |
|--------|-------------|---------|----------|
| 417012 | 15mm x 3/4" | -       | 10       |
| 417023 | 22mm x 1"   | -       | 10       |

## 417W Wall Plate Elbow C x F.I.



| CODE   | SIZE        | BOX QTY | PACK QTY |
|--------|-------------|---------|----------|
| 419001 | 15mm x 1/2" | -       | 10       |
| 419021 | 22mm x 1/2" | -       | 10       |

## 418 Equal Tees C x C x C



| CODE   | SIZE | BOX QTY | PACK QTY |
|--------|------|---------|----------|
| 418777 | 8mm  | -       | 10       |
| 418888 | 10mm | -       | 10       |
| 418999 | 12mm | -       | 10       |
| 418001 | 15mm | -       | 10       |
| 418002 | 22mm | 50      | 10       |
| 418003 | 28mm | -       | 10       |
| 418004 | 35mm | -       | L        |
| 418005 | 42mm | -       | L        |
| 418006 | 54mm | -       | L        |

## 418 Reducing Tees C x C x C



| CODE   | SIZE           | BOX QTY | PACK QTY |
|--------|----------------|---------|----------|
| 418887 | 10 x 10 x 8mm  | -       | 10       |
| 418878 | 10 x 8 x 10mm  | -       | 10       |
| 418889 | 10 x 10 x 12mm | -       | 10       |
| 418988 | 12 x 10 x 10mm | -       | 10       |
| 418998 | 12 x 12 x 10mm | -       | 10       |
| 418989 | 12 x 10 x 12mm | -       | 10       |
| 418991 | 12 x 12 x 15mm | -       | 10       |
| 418187 | 15 x 10 x 8mm  | -       | 10       |
| 418188 | 15 x 10 x 10mm | -       | 10       |
| 418189 | 15 x 10 x 12mm | -       | 10       |
| 418181 | 15 x 10 x 15mm | -       | 10       |
| 418198 | 15 x 12 x 10mm | -       | 10       |
| 418118 | 15 x 15 x 10mm | -       | 10       |
| 418199 | 15 x 12 x 12mm | -       | 10       |
| 418119 | 15 x 15 x 12mm | -       | 10       |
| 418112 | 15 x 15 x 22mm | -       | 10       |
| 418211 | 22 x 15 x 15mm | -       | 10       |
| 418212 | 22 x 15 x 22mm | -       | 10       |
| 418221 | 22 x 22 x 15mm | -       | 10       |
| 418313 | 28 x 15 x 28mm | -       | 10       |
| 418331 | 28 x 28 x 15mm | -       | 10       |
| 418322 | 28 x 22 x 22mm | -       | 10       |
| 418323 | 28 x 22 x 28mm | -       | 10       |
| 418332 | 28 x 28 x 22mm | -       | 10       |
| 418443 | 35 x 35 x 28mm | -       | 10       |

Note: Products produced from brass are NOT suitable for use underground.

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## 420 Tee C x C x M.I.



| CODE   | SIZE             | BOX QTY | PACK QTY |
|--------|------------------|---------|----------|
| 420002 | 22mm x 22mm x ¾" | -       | 10       |

## 421/P421 Wallplate Elbow F.I. x C



| CODE   | SIZE      | BOX QTY | PACK QTY |
|--------|-----------|---------|----------|
| 421001 | 15mm x ½" | -       | -        |
| 421002 | 22mm x ¾" | -       | -        |

## 430 Tee C x C x F.I.



| CODE   | SIZE             | BOX QTY | PACK QTY |
|--------|------------------|---------|----------|
| 430991 | 12mm x 12mm x ½" | -       | 10       |
| 430001 | 15mm x 15mm x ½" | -       | 10       |
| 430221 | 22mm x 22mm x ½" | -       | 10       |
| 430002 | 22mm x 22mm x ¾" | -       | 10       |
| 430003 | 28mm x 28mm x 1" | -       | 10       |

## 427 Swivel Elbow



| CODE   | SIZE      | BOX QTY | PACK QTY |
|--------|-----------|---------|----------|
| 427001 | 15mm x ½" | -       | 10       |

## 448 Reducing Set



| CODE   | SIZE        | BOX QTY | PACK QTY |
|--------|-------------|---------|----------|
| 448087 | 10mm x 8mm  | -       | 10       |
| 448097 | 12mm x 8mm  | -       | 10       |
| 448098 | 12mm x 10mm | -       | 10       |
| 448017 | 15mm x 8mm  | -       | 10       |
| 448018 | 15mm x 10mm | -       | 10       |
| 448019 | 15mm x 12mm | -       | 10       |
| 448021 | 22mm x 15mm | -       | 10       |
| 448039 | 28mm x 12mm | -       | 10       |
| 448031 | 28mm x 15mm | -       | 10       |
| 448032 | 28mm x 22mm | -       | 10       |
| 448041 | 35mm x 15mm | -       | 10       |
| 448042 | 35mm x 22mm | -       | 10       |
| 448043 | 35mm x 28mm | -       | 10       |

## 450 Flanged Tank Connector with backnut



| CODE   | SIZE | BOX QTY | PACK QTY |
|--------|------|---------|----------|
| 450001 | 15mm | -       | 10       |
| 450002 | 22mm | -       | 10       |
| 450003 | 28mm | -       | 10       |
| 450004 | 35mm | -       | L        |
| 450005 | 42mm | -       | L        |
| 450006 | 54mm | -       | L        |

## 451 Stop End



| CODE   | SIZE | BOX QTY | PACK QTY |
|--------|------|---------|----------|
| 451007 | 8mm  | -       | 10       |
| 451008 | 10mm | -       | 10       |
| 451009 | 12mm | -       | 10       |
| 451001 | 15mm | -       | 10       |
| 451002 | 22mm | -       | 10       |
| 451003 | 28mm | -       | 10       |
| 451004 | 35mm | -       | 10       |
| 451005 | 42mm | -       | 10       |

## 467 Gate Valve C x C



| CODE   | SIZE | BOX QTY | PACK QTY |
|--------|------|---------|----------|
| 467001 | 15mm | -       | 10       |
| 467002 | 22mm | -       | 10       |
| 467003 | 28mm | -       | 10       |

## 471 Elbow with combined M.T. Plug C x C



| CODE   | SIZE      | BOX QTY | PACK QTY |
|--------|-----------|---------|----------|
| 470003 | 28mm x 1" | -       | L        |

## 871 Elbow with Combined M.T Plug M.I x C



| CODE   | SIZE      | BOX QTY | PACK QTY |
|--------|-----------|---------|----------|
| 471002 | 22mm x ¾" | -       | 10       |
| 471003 | 28mm x 1" | -       | L        |

## 472 Blank Cap and Washer



| CODE   | SIZE | BOX QTY | PACK QTY |
|--------|------|---------|----------|
| 472001 | 15mm | -       | 10       |
| 472002 | 22mm | -       | 10       |
| 472003 | 28mm | -       | 10       |
| 472004 | 35mm | -       | L        |

## 478A Compression Nut



| CODE   | SIZE | BOX QTY | PACK QTY |
|--------|------|---------|----------|
| 478007 | 8mm  | -       | 100      |
| 478008 | 10mm | -       | 100      |
| 478009 | 12mm | -       | 100      |
| 478001 | 15mm | -       | 100      |
| 478002 | 22mm | -       | 50       |
| 478003 | 28mm | -       | 50       |
| 478004 | 35mm | -       | 10       |
| 478005 | 42mm | -       | -        |
| 478006 | 54mm | -       | -        |

## 478B Compression Ring



| CODE   | SIZE | BOX QTY | PACK QTY |
|--------|------|---------|----------|
| 479007 | 8mm  | -       | 100      |
| 479008 | 10mm | -       | 100      |
| 479009 | 12mm | -       | 100      |
| 479001 | 15mm | -       | 100      |
| 479002 | 22mm | -       | 100      |
| 479003 | 28mm | -       | 50       |
| 479004 | 35mm | -       | L        |
| 479005 | 42mm | -       | -        |
| 479006 | 54mm | -       | -        |

Note: Products produced from brass are NOT suitable for use underground.

Note: Products produced from brass are NOT suitable for use underground.





# Instantor<sup>®</sup>

## Brass Compression Fittings

**INSTANTOR LEAD FREE BRASS -  
COMPRESSION FITTINGS**

**25  
YEAR**

### Raising the bar once again for pure water & pure performance.

Instantor's new Lead-Free Brass compression fittings, are designed and manufactured to meet stricter health standards without compromising on performance. Made from premium CW511L brass, this next-gen range is engineered for modern plumbing needs – and are safe, strong, and seriously reliable.

With growing pressure to cut down on lead in drinking water, the new range is already ahead of the curve. reassuringly approved by the National Standards Authority of Ireland (NSAI) to EN 1254-2:2021 with NSF/ANSI/CAN 372 toxicology testing by KIWA, they deliver total confidence in both domestic and commercial installs across the UK and Ireland.

Designed to fit copper and PEX pipes, and available in popular imperial and metric sizes, these fittings are as versatile as they are compliant. No special tools, no messy installs - just a solid seal, every time.

We've taken nearly 100 years of compression fitting expertise and poured it into a cleaner, safer solution. Instantor's lead-free range offers the same trusted performance our customers count on, now with even greater peace of mind. Ready for tomorrow's standards, and built on proven quality - this is the new benchmark in plumbing fittings.

Go lead-free with Instantor.



### FEATURES

**CERTIFIED** - NSAI & KIWA approved for drinking water use.

**QUICK TO INSTALL** - Flame-free, fast, and mess-free fitting.

**PREMIUM MATERIALS** - Manufactured from high-quality CW511L brass.

**VERSATILE RANGE** - Compatible with copper and PEX, in imperial and metric sizes.

### TECHNICAL SUMMARY

**Max Operating Pressure:** 30°C - 16 Bar | 109°C - 6 Bar

**Min Operating Pressure:** 0 Bar

**Max Operating Temperature:** 110°C

**Min Operating Temperature:** -20°C (flowing water)

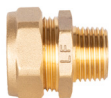
**Material:** CW511L Brass

### Lead Free 410 Straight Coupler C x C



| CODE     | SIZE        | PACK QTY |
|----------|-------------|----------|
| 410001LF | 15mm        | 10       |
| 410002LF | 22mm        | 10       |
| 410003LF | 28mm        | 10       |
| 410021LF | 22mm x 15mm | 10       |
| 410032LF | 28mm x 22mm | 10       |

### Lead Free 411 Straight Coupler C x M.I.



| CODE     | SIZE        | PACK QTY |
|----------|-------------|----------|
| 411001LF | 15mm        | 10       |
| 411002LF | 22mm        | 10       |
| 411003LF | 28mm        | 10       |
| 411012LF | 15mm x 3/4" | 10       |
| 411021LF | 22mm x 1/2" | 10       |
| 411023LF | 22mm x 1"   | 10       |

### Lead Free 412 Straight Coupler C x F.I.



| CODE     | SIZE        | PACK QTY |
|----------|-------------|----------|
| 412001LF | 15mm        | 10       |
| 412002LF | 22mm        | 10       |
| 412003LF | 28mm        | 10       |
| 412012LF | 15mm x 3/4" | 10       |
| 412023LF | 22mm x 1"   | 10       |

### Lead Free 415 Elbow C x C



| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| 415001LF | 15mm | 10       |
| 415002LF | 22mm | 10       |
| 415003LF | 28mm | 10       |

### Lead Free 416 Elbow C x M.I.



| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| 416001LF | 15mm | 10       |
| 416002LF | 22mm | 10       |
| 416003LF | 28mm | 10       |

### Lead Free 417 Elbow C x F.I.



| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| 417001LF | 15mm | 10       |
| 417002LF | 22mm | 10       |
| 417003LF | 28mm | 10       |

### Lead Free 418 Equal Tee C x C x C



| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| 418001LF | 15mm | 10       |
| 418002LF | 22mm | 10       |
| 418003LF | 28mm | 10       |

### Lead Free 418 Reducing Tee C x C x C



| CODE     | SIZE               | PACK QTY |
|----------|--------------------|----------|
| 418212LF | 22mm x 15mm x 22mm | 10       |
| 418221LF | 22mm x 22mm x 15mm | 10       |
| 418331LF | 28mm x 28mm x 15mm | 10       |
| 418332LF | 28mm x 28mm x 15mm | 10       |

### Lead Free 417W Wall Plate Elbow C x C x C



| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| 419001LF | 15mm | 10       |

### Lead Free 427 Swivel Elbow



| CODE     | SIZE        | PACK QTY |
|----------|-------------|----------|
| 427001LF | 15mm x 1/2" | 10       |
| 427002LF | 22mm x 3/4" | 10       |

### Lead Free 430 Tee C x C x F.I.



| CODE     | SIZE               | PACK QTY |
|----------|--------------------|----------|
| 430001LF | 15mm x 15mm x 1/2" | 10       |
| 430002LF | 22mm x 22mm x 3/4" | 10       |

### Lead Free 451 Stop End



| CODE     | SIZE | PACK QTY |
|----------|------|----------|
| 451001LF | 15mm | 10       |
| 451002LF | 22mm | 10       |
| 451003LF | 28mm | 10       |



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# GET HANDS-ON AT OUR MOBILE TRAINING ACADEMY

While quality products play a huge part in efficient installs, so does quality workmanship. Your reputation? That's built on the standard of your work. So, why take any chances?

With an expanding range of press fittings and pipe for water and gas applications in domestic, commercial, and industrial settings, Instantor is dedicated to instilling confidence in installers on-site. It literally costs nothing to attend, you'll get hands on experience with our training demonstrators, and a competency training ID card posted to you once you've nailed it.

For water installs, training's a great bonus, but for gas? That's non-negotiable. According to IS813, you've got to be certified by the system manufacturer to work on gas jointing systems. We'll make sure you've got that box ticked.

And here's the best bit – you don't need to go out of your way. The Instantor Mobile Training Academy will be rolling into your local merchant or venue, so you can swing by without losing a full day on the job.





# FIT & FORGET SOLUTIONS

We get it - your day is busy enough, and the last thing you need is a call back because something's gone wrong. The homeowner doesn't care if it's down to a faulty fitting, at the end of the day it's your reputation that could suffer.

It's on us as manufacturers to make sure that doesn't happen. At Instantor, we take product reliability seriously. No cutting corners. We invest in our products to give you 'fit & forget' solutions. No leaks, no hassle, no let downs.

Over at Instantor Works, we've got our own testing lab where we put every product through the wringer. We're talking 20 testing machines which are comparable to those used in major European and UK test centres, such as TUV and KIWA. If it doesn't pass, it doesn't leave the lab.

But reliability isn't just about the product. In-house is a dedicated new product development (NPD) team that are involved every step of the way, from idea to final product, and a technical team that are on hand to assist with any after-sales queries. Both teams listen to your feedback and tweak things to suit your needs.

We're all about delivering reliable solutions, every time.





# TRUSTED TOOL, TRUSTED PERFORMANCE: BOOK YOUR CALIBRATION TODAY

You've got a tool that's with you through thick and thin. It handles every job, no matter how tricky, day in and day out. But let's be real – your Instantor Press Tool's reliability depends on a little TLC every now and then.

We get it – being without your go-to tool even for a day sounds like a hassle, especially when jobs are lined up. But keeping it pressing safely and accurately is worth it. A quick calibration every 12 months (or after 20,000 presses on the mini and 30,000 on the large tool) will save you time-consuming reworks down the line.

And don't worry, we won't send it off to some third-party. Our in-house technical team will handle everything. Plus, if dropping it off is too much hassle, we've got you covered with our collection and delivery service.

Keep your Instantor Press Tool in peak condition and avoid the headache of rework. Book a calibration with us and let's keep your tool – and your jobs – running smoothly.

Get in touch to lock it in: [techsupport@instantor.co.uk](mailto:techsupport@instantor.co.uk)







ELEMEX  
IMMERSIONS



## Durable Immersions for Every Application.

Since 1985, Elemex has been keeping things hot and hassle-free. Our immersion heaters are made from tough materials like Copper, Incoloy, and Titanium, so they can handle whatever water hardness you throw at them.

With over 30 years of experience behind us, we know what works. Our immersion heaters are available in both single and dual-element options, giving you the flexibility to choose the perfect fit for your job. Built tough and durable, they deliver reliable, long-lasting performance you can count on.

All heaters are certified to industry standards and come with a 2-year guarantee, so you can install them with peace of mind knowing they're built to last. From small-scale domestic installs to heavy-duty commercial applications, Elemex immersion heaters get the job done right, every time.

When it comes to reliability, Elemex is a name you can trust. Our heaters are built to last, backed by decades of manufacturing expertise, and designed to perform in any environment. It's the simple solution that plumbers have been turning to for decades - and with Elemex, you're guaranteed quality every time.

It's no-nonsense, get-the-job-done gear that's built to last.



Conforms to Low Voltage  
Directive (LVD)  
EN 60335-1:2002 &  
EN 60335-2-73:2003



Dual immersion heaters are exclusively used in vertical orientation domestic water cylinders.

Dual heaters work in conjunction with a "sink/bath" switch, with a short element used to heat smaller quantities of water, and the longer one to heat the cylinder to the length of the element, i.e. 24", 27" etc. Heaters are pre-wired, and have either a 1m or 2m 4 core high temperature flexible cable fitted. All heaters are fitted with a control thermostat pre-set at 65°C and an externally resettable high limit cut-out to prevent the water reaching 98°C (in accordance with IS/EN60335-2-73)

**Copper:** Suitable for normal water areas  
**Incoloy:** Suitable for normal to hard water  
**Titanium:** Suitable for extreme use cases and available on request

## Copper - Standard Range External Reset Button



| CODE       | THREAD SIZE | LENGTH | RATING     | CABLE LENGTH |
|------------|-------------|--------|------------|--------------|
| SIHD18ER   | 2 1/4" BSP  | 18"    | 2 / 2.85kW | 1m           |
| SIHD24ER   | 2 1/4" BSP  | 24"    | 2 / 2.85kW | 1m           |
| SIHD24ER/2 | 2 1/4" BSP  | 24"    | 2 / 2.85kW | 2m           |
| SIHD27ER   | 2 1/4" BSP  | 27"    | 2 / 2.85kW | 1m           |
| SIHD36ER   | 2 1/4" BSP  | 36"    | 2 / 2.85kW | 1m           |

## Incoloy - Premium Range External Reset Button



| CODE      | THREAD SIZE | LENGTH | RATING     | CABLE LENGTH |
|-----------|-------------|--------|------------|--------------|
| SPID24ER  | 2 1/4" BSP  | 24"    | 2 / 2.85kW | 1m           |
| SPID27ER1 | 2 1/4" BSP  | 27"    | 2 / 2.85kW | 1m           |
| SPID36ER1 | 2 1/4" BSP  | 36"    | 2 / 2.85kW | 1m           |



Single element immersion heaters are used in mainly horizontal orientation in domestic water cylinders.

All heaters are fitted with a control thermostat pre-set at 65°C and a resettable high limit cut-out to prevent the water reaching 98°C (in accordance with IS/EN60335-2-73) We offer heaters in several thread sizes, to fit all commonly used water cylinders, and in three different sheath materials, to suit various water qualities.

**Copper:** Suitable for normal water areas  
**Incoloy:** Suitable for normal to hard water  
**Titanium:** Suitable for extreme use cases and available on request

## Copper

\*Internal Reset Button



| CODE | THREAD SIZE | LENGTH | RATING | MOUNTING   |
|------|-------------|--------|--------|------------|
| WH2B | 2 1/4" BSP  | 11"    | 2.85kW | Horizontal |

## Incoloy

\*Internal Reset Button



| CODE         | THREAD SIZE | LENGTH | RATING | MOUNTING   |
|--------------|-------------|--------|--------|------------|
| SWH38/UV/825 | 1 1/2" BSP  | 14"    | 2.85kW | Horizontal |
| WH38/UV      | 1 1/2" BSP  | 11"    | 2.85kW | Horizontal |
| SWH61        | 1 3/4" BSP  | 14"    | 2.85kW | Horizontal |
| WH61         | 1 3/4" BSP  | 11"    | 2.85kW | Horizontal |
| BIS11E       | 2 1/4" BSP  | 11"    | 2.85kW | Horizontal |

## Titanium

\*Internal Reset Button



| CODE     | THREAD SIZE | LENGTH | RATING | MOUNTING   |
|----------|-------------|--------|--------|------------|
| WH38/UVT | 1 1/2" BSP  | 11"    | 2.85kW | Horizontal |
| WH60T    | 1 3/4" BSP  | 11"    | 2.85kW | Horizontal |
| BTS11E   | 2 1/4" BSP  | 11"    | 2.85kW | Horizontal |
| BTS27E   | 2 1/4" BSP  | 27"    | 2.85kW | Vertical   |



The Economiser (Willis) Heater:  
For fast, economical domestic hot water

The **ELEMEX** Economiser is a compact, inexpensive unit designed to heat water quickly. It is intended for everyday domestic use, where relatively small quantities of hot water are required, for example: showers, dish washing, hair washing, etc.

The Economiser consumes no more power than a standard immersion heater, but saves on electricity by heating only the amount of water that you require.

The Economiser is fitted externally to the main hot water cylinder. Easy, user-friendly installation ensures the minimum of mess and disruption.



### TYPICAL USE TIMES:

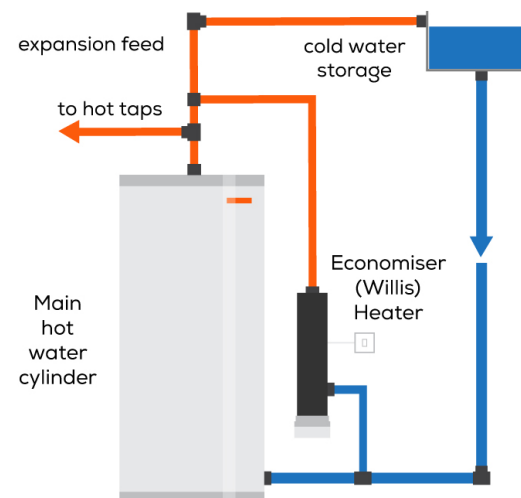
**Shower:** 10 minutes  
**Dish Washing:** 5 minutes  
**Hair Washing:** 5 minutes

## Economiser (Willis)

| CODE    | THREAD SIZE | LENGTH | RATING | MOUNTING |
|---------|-------------|--------|--------|----------|
| SWILLIS | 2 1/4" BSP  | 11"    | 2.85kW | Vertical |

The unit comes pre-wired with a 1m flex cable

### How it works



The Economiser is fitted in parallel to the main domestic hot water cylinder and heats the water from the top down. So, for a shower (typical requirement – 35 litres @ 40°C), the Economiser will heat only the top 35 litres of the cylinder in about 10 minutes, and the unit should then be switched off.

For maximum efficiency we recommend that the Economiser be fitted in conjunction with a timer (such as the **ELEMEX** T1). This will ensure that the heater is switched off after the required time. You can then set it and forget it.



Rod thermostats are available in two main types: > Control only > Combination Control & Cut-Out

Both are used in domestic immersion heaters, and are made in three stem lengths (measured underneath the head) of 7" (178mm), 11" (279mm), and 18" (457mm). Both have 7.5mmØ stems, designed to fit into a 5/16" (7.9mm) i.d tube. The control thermostats are factory pre-set at 60°C and should be used in conjunction with a separate over-temperature device in domestic applications. The combination types have two separate sets of contacts, one adjustable and one factory set, giving a one piece compliance with IS/EN 60335-2-73.

### Control Only

7.5mm Stem Diameter



| CODE | STEM LENGTH | RANGE °C | PRE-SET °C | CUT-OUT °C | CURRENT RATING |
|------|-------------|----------|------------|------------|----------------|
| WH14 | 7"          | 40-80°C  | 60°C       | N/A        | 15A            |
| WH15 | 11"         | 40-80°C  | 60°C       | N/A        | 15A            |
| WH16 | 18"         | 40-80°C  | 60°C       | N/A        | 15A            |

### Control & Cut-Out

7.5mm Stem Diameter



| CODE   | STEM LENGTH | RANGE °C | PRE-SET °C | CUT-OUT °C | CURRENT RATING |
|--------|-------------|----------|------------|------------|----------------|
| WH14CH | 7"          | 0-65°C   | N/A        | 89°C       | 16A            |
| WH15CV | 11"         | 0-65°C   | N/A        | 89°C       | 16A            |
| WH16CV | 18"         | 0-65°C   | N/A        | 89°C       | 16A            |

### Control & Cut-Out Misc Replacement Stats

6mm Stem Diameter

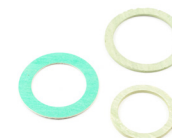


| CODE    | STEM LENGTH | RANGE °C | PRE-SET °C | CUT-OUT °C | CURRENT RATING |
|---------|-------------|----------|------------|------------|----------------|
| TSE     | 11"         | 10-70°C  | N/A        | 80°C       | 16A            |
| WH15RTS | 11"         | 10-70°C  | N/A        | 90°C       | 16A            |
| WH15TT  | 11"         | 10-65°C  | N/A        | 75°C       | 16A            |

We offer a comprehensive range of accessories for the installation and control of our immersion heaters.

- All immersion heaters will require a gasket or 'O' ring, and while these are supplied with the heater kit as standard, spares or replacements will often be needed.
- Most of our domestic heaters are installed in water cylinders with a pre-fitted threaded entry, but where it is necessary to fit a heater through a plain hole in a vessel wall, we offer flanges and backnuts for all common sizes.
- Vertically mounted immersion heaters generally have an 86mm A/F hex flange, larger than most adjustable wrenches can accommodate, and we offer low cost spanners to aid fitting, allowing uniform tightening without distorting the head or receptacle.
- Our heater timer provides a low cost means of short burst water heating, and eliminates the perennial problem of "forgetting to turn off the immersion", thus providing dramatic savings in running costs.

### Gaskets



| CODE   | SIZE    | DIMENSIONS (mm) |
|--------|---------|-----------------|
| WH10B  | 1½" BSP | 49 x 71 x 2     |
| WH10C  | 1¾" BSP | 53 x 77 x 2     |
| WH10/1 | 2¼" BSP | 66 x 82 x 2     |

### Backnuts

For fitting to an open topped or accessible vessel



| CODE   | SIZE    | DIMENSIONS (mm) |
|--------|---------|-----------------|
| 044005 | 1½" BSP | -               |
| BN24   | 2¼" BSP | -               |

### Plugs



| CODE   | SIZE    | DIMENSIONS (mm) |
|--------|---------|-----------------|
| 074006 | 1¾" BSP | -               |
| 920100 | 2¼" BSP | -               |

### 'O' Rings



| CODE | SIZE    | DIMENSIONS (mm) |
|------|---------|-----------------|
| G024 | 1½" BSP | 37 x 43 x 3     |
| G020 | 1¾" BSP | 49 x 56 x 3.5   |
| G022 | 2¼" BSP | 60 x 67 x 3.5   |

### 2 Part Flange

For fitting to a closed vessel from the outside



| CODE | SIZE    | DIMENSIONS (mm) |
|------|---------|-----------------|
| WH11 | 2¼" BSP | -               |

### Spanners



| CODE   | SIZE     | TYPE |
|--------|----------|------|
| 900032 | 86mm A/F | Flat |

# Immertec®

## Immersion

IMMERTEC  
IMMERSIONS

2  
YEAR  
WARRANTY

### Tough, Reliable, and Ready to get the Job Done.

Looking for immersion heaters that are tough as nails? Since 2015, Immertec has been cranking out heaters that can take the heat and keep going. Whether it's soft or hard water, residential or commercial installations, Immertec heaters are up to the task, no matter the conditions.

With both single and dual-element options, Immertec gives you the flexibility to choose the right heater for the job. Made from premium materials, our heaters are built to withstand serious use. We don't mess around when it comes to durability - our heaters are crafted for endurance.

Plus, with a 2-year guarantee, you get that extra reassurance that your installs are covered. From small domestic jobs to large commercial installs, these immersion heaters are designed to handle whatever you throw at them. And when it comes to getting the job done quickly, Immertec heaters are designed to be easy to install, saving you time and effort on-site.

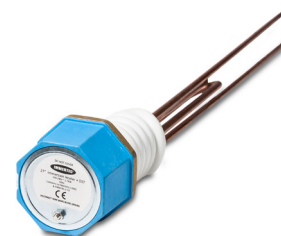
These are no-nonsense heating solutions that keep things simple and stress-free. Built tough, tested to last, and designed with installers in mind, Immertec immersion heaters are the perfect choice for pros who want products they can trust.



**CE** Conforms to Low Voltage  
Directive (LVD)  
EN 60335-1:2002 &  
EN 60335-2-73:2003

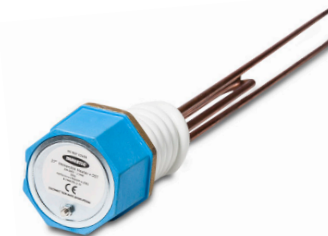
## Immertec®

### Immersion



Dual Element Copper Immersion  
Heaters with 1m / 2m Fitted Cable

| CODE    | LENGTH | CABLE | STATS | PACK QTY |
|---------|--------|-------|-------|----------|
| 710530K | 24"    | 1M    | 1     | 20       |
| 710531K | 27"    | 1M    | 1     | 20       |
| 710532K | 36"    | 1M    | 1     | 12       |
| 710543K | 24"    | 2M    | 1     | 20       |
| 710544K | 27"    | 2M    | 1     | 20       |
| 710546K | 36"    | 2M    | 1     | 12       |



Dual & Single Incoloy Immersion Heaters  
with 2m Fitted Cable

| CODE    | LENGTH | CABLE | STATS | ELEMENT | PACK QTY |
|---------|--------|-------|-------|---------|----------|
| 710548K | 11"    | 2M    | 1     | Single  | 20       |
| 710537K | 24"    | 2M    | 1     | Dual    | 20       |
| 710542K | 27"    | 2M    | 1     | Dual    | 20       |
| 710538K | 36"    | 2M    | 1     | Dual    | 12       |

All Dual Heaters are also available in  
Incoloy Sheathed elements. Guaranteed for 3 years.



Single Element Copper  
Immersion Heaters with 1m / 2m  
Fitted Cable to EN60335-2-73

| CODE    | LENGTH | CABLE    | STATS | ELEMENT | PACK QTY |
|---------|--------|----------|-------|---------|----------|
| 710536K | 11"    | 1M       | 1     | Single  | 20       |
| 710547K | 11"    | 2M       | 1     | Single  | 20       |
| 710457K | 11"    | No Cable | 1     | Single  | 20       |
| 710458K | 18"    | No Cable | 1     | Single  | 20       |
| 710459K | 27"    | No Cable | 1     | Single  | 20       |



Replacement Thermostat

| CODE   | LENGTH | MATERIAL | PACK QTY |
|--------|--------|----------|----------|
| 710441 | 7"     | Copper   | 10       |
| 710442 | 11"    | Copper   | 10       |
| 710440 | 18"    | Copper   | 10       |

**CE** All Copper Immertec products are CE approved and conforms to  
Low Voltage Directive (LVD) EN 60335-1:2002 & EN 60335-2-73:2003



## The Economiser Rapid Heater



| CODE    | SIZE                          |
|---------|-------------------------------|
| 920120K | Mini Copper Cylinder Complete |
| 920121  | Can only                      |

## Immersion Heater Plugs



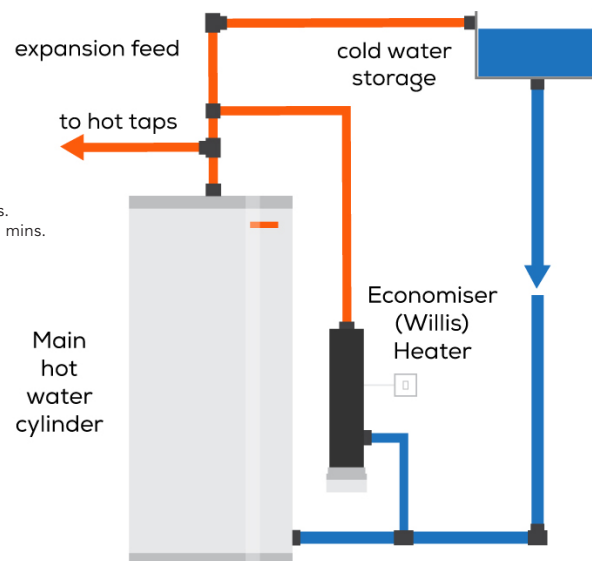
| CODE      | LENGTH                       | BOX QTY |
|-----------|------------------------------|---------|
| 920100 PK | 2¼"                          | 2000    |
| 710540    | Immersion heater plug washer | 2000    |

## How The Economiser Heater Works

An Economiser Rapid Water Heater can heat approx. 4.5L of water every 5 mins.

- For a shower = pre-heat for 10/15 mins.
- For dishes, shaving etc = preheat for 5 mins.

**Not Recommended for use in Hard Water Areas**



# Terms and Conditions of Sale

## 1. PRICES

All quotations are made and orders accepted without engagement. Every effort will be made to carry out any contract in accordance with the quoted prices. Orders are only accepted by the Seller for execution, however, at prices ruling at dates of despatch.

## 2. ORDERS

Orders accepted by the Seller cannot be cancelled without the Seller's consent in writing. Orders are accepted for delivery without responsibility for unforeseen hindrances, shortages of material, delays in transit, accidents, etc. Delivery dates are approximate and cannot be guaranteed, although they will be adhered to as far as possible. No responsibility can be accepted for delay in delivery.

## 3. ILLUSTRATIONS

The Seller cannot guarantee that the illustrations in the Seller's catalogues are in all cases identical with the goods the Seller supply, as improvements and modifications may be made from time to time.

## 4. WEIGHTS

Weights and measurements, when given, are generally correct, but must be taken as approximate only; they cannot be guaranteed.

## 5. WARRANTY

All goods are carefully tested, gauged, and inspected before despatch. Should any goods prove defective owing to faulty materials or workmanship, they will be replaced free provided such goods are returned to the Seller within three months from date of despatch. Beyond this, the Seller gives no guarantee, and accepts no responsibility for damage, direct or indirect or consequent from this or any cause. This warranty is given in place of any warranty or conditions (including any conditions as to quality or fitness for any particular purpose) implied by Common Law, Statute, or otherwise, which are hereby expressly excluded.

## 6. BREACH OF WARRANTY

The Seller accepts no responsibility for any breach of Clause 5 (Warranty) or in respect of any defect in the goods or damage caused by the use of the goods due to (i) ordinary wear and tear (ii) improper handling or storage or non-compliance with installation or handling regulations or excessive strain or use (iii) force majeure, special external circumstances not foreseen in respect of the goods or due to the use of the goods beyond normal use or (iv) use of

the goods for a purpose for which they are not intended including, for example (but without limitation), use and/or installation of the goods in any location (whether underground or otherwise) for which the goods are not suited.

## 7. NEW ACCOUNTS

Two approved trade references are requested.

## 8. SETTLEMENT TERMS

All accounts are strictly "Nett Monthly". Accounts are due and should be paid direct to the Seller. Receipts if requested will not be recognised except on the Sellers specially printed form. Clerical errors and omissions are subject to correction.

## 9. CONTRACTS

Delivery of contracts must be taken within the period specified, otherwise the Seller reserves the right to cancel or deliver the outstanding balances at the end of the period.

## 10. DELIVERY

Order value of £500 and above, carriage paid. Order value below £500, carriage charge applicable.

## 11. PACKING

Packing is non-returnable and free of charge.

## 12. NOTIFICATION OF DAMAGE, PARTIAL LOSS, SHORTAGES, ETC

Buyers must notify the Seller in writing in the event of damage, loss or shortage within seven days of delivery of goods. Every consignment ex Works contains a Contents Note and the reference number thereof, should be quoted. In the absence of such written advice from the Buyers to the Sellers, the goods will be deemed to have been delivered complete, and in a satisfactory condition, and the risk in the goods is then transferred to the Buyers.

## 13. SPECIALS

Specials are fittings made to customers orders, and differing from the specification given in the Sellers catalogue. Orders for such specials will be charged on the basis of the Sellers works costs, whether they are alterations to the Sellers existing patterns, or totally new designs, and under no circumstances can the Seller accept their return or cancellation. Any reasonable quantity made by the Seller in excess of an order to cover the possibility of 'Rejects' on the Sellers test, will, in the case of specials, be sent and invoiced to the customer.

## 14. PART DELIVERIES

Where goods contracted for are deliverable by instalments, each delivery shall be deemed to constitute a separate enforceable contract.

## 15. ACCEPTANCE OF ORDERS

Contracts and orders are only accepted upon and subject to Sellers' Standard Conditions of Sale, as printed herein. Unless expressly accepted in writing by the Seller, any qualification of these conditions in a Customers form or otherwise, will be of no effect whatsoever.

## 16. RETURNED FITTINGS

A 12.5% rehandling charge will be levied on any goods returned to the Seller that the Seller previously agreed to accept back, with the exception of those that are covered by Clause 5 (Warranty).

## 17. EXPORTS

Are subject to quotation and separate conditions of sale.

## 18. PRESSINGS, CASTINGS, TURNED PARTS AND JOBBING WORK

Made to customers specifications are subject to quotation. Separate conditions of sale apply.

## 19. RETENTION OF TITLE AND ALL MONIES CLAUSE

Instantor UK retains ownership of goods supplied until all debts owed to Instantor UK by the purchaser have been paid in full.

## Notes







 **Instantor<sup>®</sup>**

[instantor.co.uk](http://instantor.co.uk)



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