



LIGHTNING
BUILDING PRODUCTS



INSTALLATION GUIDE

LIGHTNING STAINLESS- STEEL PRESS SYSTEM





LIGHTNING BUILDING PRODUCTS

Lightning Building Products is an Australian-owned and operated manufacturer and supplier of high-quality press systems for water, gas, and PEX applications across domestic and commercial projects, supplying solutions throughout Asia, South America, and Australia. With industry experience dating back to 2005, we pioneered the introduction of PEX-AL-PEX piping systems for above-ground gas installations in Australia, setting new benchmarks for safety, performance, and reliability.

ADVANTAGES OF LIGHTNING STAINLESS-STEEL TUBE & FITTINGS

Fast & Efficient

The Lightning press-fit connection is made in seconds using a specialized press tool, reducing installation time and labour costs compared to traditional welding or threading methods. All Brand Press tools are warranted for Lightning Stainless Press when manufacturer instructions are followed.

Safe & Fire-Free

Pressing eliminates the need for welding or soldering, removing the risk of fire and the requirement for hot-work permits or related safety precautions.

Durable & Reliable

Each mechanical press creates a permanent, leak-proof, and secure joint resistant to torsion, vibration, and longitudinal forces.

Corrosion-Resistant

Manufactured from premium 316L stainless steel, these fittings provide excellent resistance to corrosion and are suitable for a wide range of applications.

Versatile

The Lightning Press System suits various applications including drinking water, heating, gas, and compressed air, and offers a full range of fittings — elbows, tees, couplings, and more.

Environmentally Friendly

The system produces no smoke, gases, or toxic by-products, providing a safe and sustainable installation method.

STAINLESS STEEL TUBE OVERVIEW

Stainless Steel Tube Overview

Lightning stainless steel tube is 316L grade (EN 1.4404), compliant with DIN EN 10088, manufactured according to DIN EN 10312 and DVGW, with outside diameters from 15mm to 168mm. Tubes in sizes 15-168mm are all annealed.

The tube meets AS 5200.053, ASTM A269 and carries Watermark Approval WM75213.

This system uses V-profile or M-profile press fittings to create secure, pressed connections using specialized tooling — a fast, safe, and cost-effective alternative to welding or threading, ideal for drinking water, heating, and industrial installations.

Bending of Stainless Steel Tube

Hot bending of stainless steel tubes is not allowed as it will adversely affect the composition of the stainless steel, compromising performance.

Stainless steel pipes up to and including dimension 28 mm must be cold bent with suitable bending tools. Larger size tubes are not to be bent.

A bending radius, measured in the neutral axis of the bend, of at least $R = 3.5D$ is to be maintained, where R is the radius and D is the tube diameter. It is to be ensured that, after bending, a sufficiently long, straight cylindrical tube piece is available for further processing.

Stainless Steel Tube Specification

Size	Wall thickness	Net weight (kg/m)
15	1.0	0.339
22	1.2	0.617
28	1.2	0.804
35	1.5	1.256
42	1.5	1.515
54	1.5	1.957
76.1	2.0	3.629
108	2.0	5.173
168	2.6	10.787

BENEFITS

1. Speed – Press connections are made in seconds, saving time and labour.
2. Safety – No open flames or hot work, minimizing onsite risk.
3. Durability – 316L stainless steel ensures longevity, corrosion resistance, and hygiene.
4. Cost-Effectiveness – Lower labour costs and reduced maintenance yield excellent lifetime value.

Fittings

Lightning stainless steel press fittings are manufactured and quality controlled to AS 3688, using 316L stainless steel (EN 1.4404) and certified with Watermark approval WM75213. AMI GAS approval AMI75213. Each fitting is designed and engineered to ensure optimal and consistent joint formation, achieving — and often exceeding — the hydraulic and structural performance requirements of Australian standards. Fittings up to and including 54 mm feature a leading lip to aid alignment and sealing during pressing. Larger press fittings — 76.1 mm, 108 mm, and 168 mm — are designed without a leading lip, providing a smooth, robust joint suitable for larger-diameter installations. Annealing Lightning stainless steel fittings is a heat treatment process that enhances its ductility, reduces hardness, and improves corrosion resistance, making it easier to work with.



O-RINGS

Lightning stainless steel press fittings are available with three O-ring materials, each colour-coded for easy identification and optimized for specific applications.

EPDM (Ethylene Propylene Diene Monomer) — Black (Standard Water Applications)

EPDM O-rings provide excellent resistance to ozone, sunlight, and weathering.

They remain flexible at low temperatures and resist many dilute acids, alkalis, and polar solvents.

These O-rings are ideal for hot and cold potable water systems and some industrial applications.

Temperature range: Up to 120°C.

Pressure range: 1600Kpa

Not suitable for: Aromatic hydrocarbons, di-ester lubricants, halogenated solvents, or petroleum-based oils and greases.

FKM (Fluorocarbon) — Red (Industrial Applications)

FKM O-rings offer exceptional resistance to high temperatures (up to 200°C, depending on medium), ozone, weathering, fuels, hydraulic fluids, and many organic solvents.

Pressure range: 1600Kpa

They are ideal for petroleum products, diesel, biodiesel, mineral oils, greases, and strong acids.

Not suitable for: Ketones, low molecular weight organic acids (e.g. formic, acetic), superheated steam, low molecular weight esters and ethers, or phosphate-based fluids.

FKM Fluorocarbon

RED Industry -20°C+ 180°C

HNBR (Hydrogenated Nitrile Butadiene Rubber) — Yellow (Gas Applications)

HNBR O-rings provide superior mechanical strength and resistance to heat, ozone, and chemicals compared to standard nitrile.

They are suited for propane, butane, and natural gas (methane) applications.

Temperature range: Up to 100°C, exceeding the standard fuel gas requirement of 70°C.

Pressure range: 200Kpa

Not suitable for: Drinking water systems.

Gas press fittings are clearly marked in yellow and stamped with the word “GAS” for easy identification.

Products	Material	Colour	Fitting type	Temperature
EPDM	Ethylene Propylene Diene Monomer	BLACK	Standard	-20°C+ 120°C
HNBR	Hydrogenated Nitrile Butadiene Rubber	YELLOW	Gas	-20°C+ 100°C
FKM	Fluorocarbon	RED	Industry	-20°C+ 180°C

EXPANSION COMPENSATION

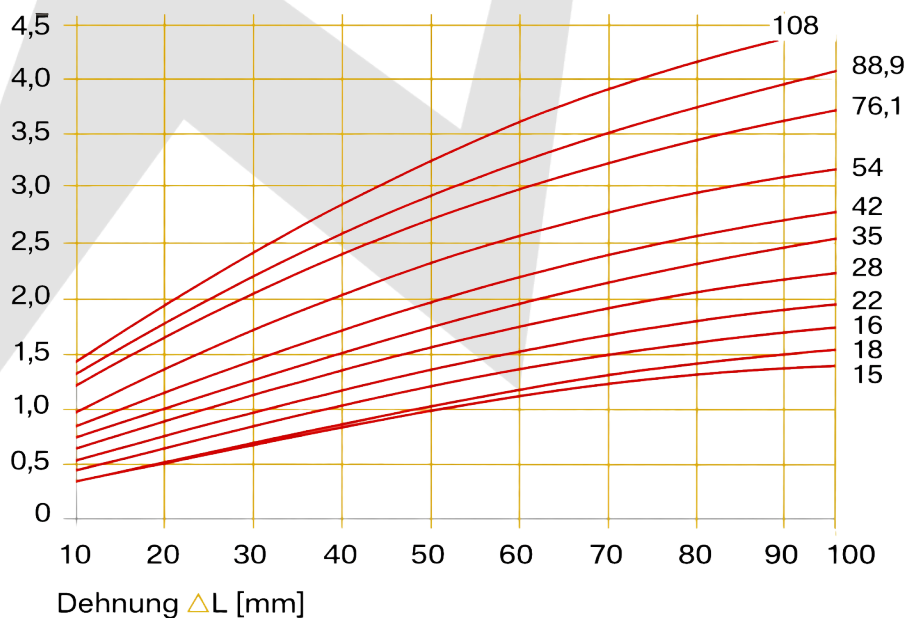
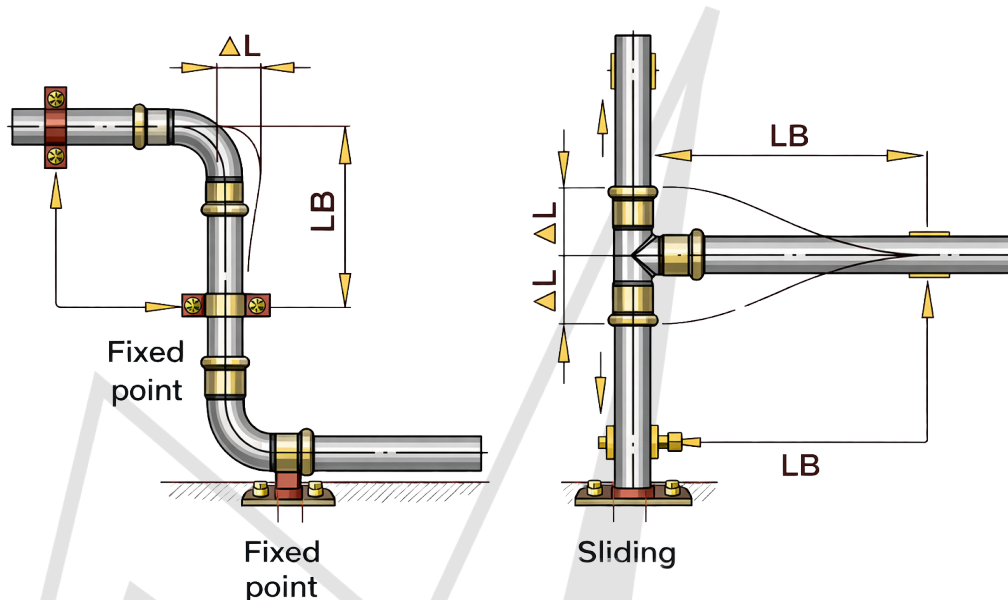
Pipelines naturally expand and contract in response to temperature variations and thermal stress.

These dimensional changes must be managed to maintain system integrity and prevent mechanical strain on fittings, joints, and supports.

Thermal expansion can be effectively compensated for by:

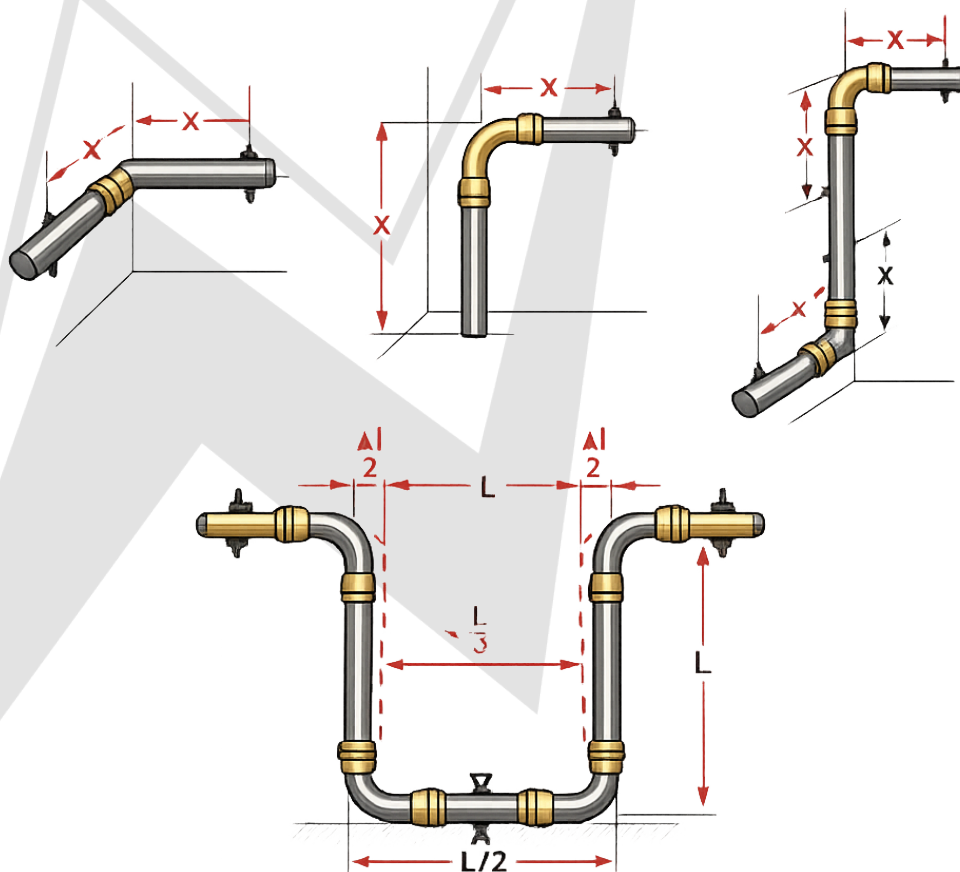
- Installing fixed and sliding points to control movement,
- Incorporating expansion compensators, or
- Designing appropriately calculated expansion loops or joints within the system.

By correctly positioning these elements, the press system maintains reliable performance, prevents stress concentration, and ensures long-term durability across all installation conditions.



Minimum side length "L" of a U-bend expansion element for thermal expansion absorption (m)							
Tube diameter (mm)	Temperature Differential ΔL						
	10mm	20mm	30mm	40mm	50mm	60mm	70mm
15	0.33	0.46	0.57	0.65	0.73	0.80	0.87
22	0.40	0.56	0.69	0.79	0.89	0.97	1.05
28	0.45	0.63	0.77	0.89	1.00	1.10	1.18
35	0.50	0.71	0.87	1.00	1.12	1.22	1.32
42	0.55	0.77	0.95	1.10	1.22	1.34	1.45
54	0.62	0.88	1.08	1.24	1.39	1.52	1.64
76.1	0.74	1.04	1.28	1.47	1.65	1.81	1.95
108	0.88	1.24	1.52	1.76	1.96	2.15	2.32
168	1.10	1.56	1.91	2.21	2.47	2.71	2.92

EXPANSION DEVICES



INSULATION – ACOUSTIC & THERMAL

Proper insulation plays a vital role in maintaining system performance, preventing corrosion, and ensuring long-term reliability of stainless-steel pipelines.

GENERAL REQUIREMENTS

Any lagging or insulation materials applied to stainless steel tubes must have a water-soluble chloride ion content not exceeding 0.05% by weight.

Exceeding this limit may result in corrosion and significantly shorten the system's service life.

Compliance with these requirements is critical for maintaining the integrity and lifespan of the stainless-steel installation.

ACOUSTIC INSULATION

Acoustic insulation must be implemented in accordance with relevant Standards and Codes, including the National Construction Code (NCC) in Australia.

While stainless steel tube and fittings generate no noise in isolation, poorly constructed or improperly sized supports.

To mitigate this:

- Use acoustic clamps or isolation materials when securing tube supports.
- Ensure all wall penetrations are properly acoustically insulated.
- Where possible, route pipework through utility shafts or voids to further reduce noise transmission.

THERMAL INSULATION

Thermal insulation of tubes must comply with the National Construction Code (NCC) and relevant Australian standards, including AS 4426.

Design Considerations:

- Cold Drinking Water Lines: Should be routed to avoid exposure to heat sources to prevent temperature rise and maintain water quality. Where this is not possible, appropriate thermal insulation must be applied.
- Refrigeration and Cooling Lines: Should be fitted with water-blocking thermal insulation to reduce energy loss and prevent condensation.
- Hot Water Systems: Should be insulated to maintain thermal efficiency and energy conservation.

These requirements apply to both new installations and renovations, ensuring energy efficiency, safety, and long-term durability in all applications.



CONNECTING TO DIFFERENT METALS

When connecting stainless steel pipework to other metallic materials, care must be taken to prevent bimetallic (galvanic) corrosion.

This reaction can occur when two dissimilar metals are in direct contact — or even when water flows from one material to another — causing accelerated corrosion of the less noble metal.

While stainless steel is generally resistant to galvanic corrosion in potable water and non-ferrous systems, direct connection between certain metals should be avoided where possible.

BEST PRACTICE RECOMMENDATIONS

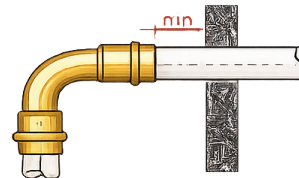
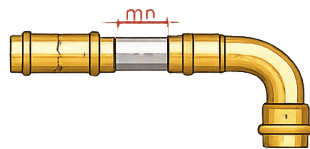
- Use an inert or non-conductive section (such as a dielectric or isolating connector) between dissimilar metals to break electrical continuity.
- Alternatively, use a valve or fitting made from non-ferrous material to act as a separator.
- Stainless steel, copper, and copper alloys can be safely combined in the same system without risk of corrosion.
- Carbon steel must not be directly connected to stainless steel, as this will result in corrosion.
 - Use a brass spacer connector or isolating fitting to separate the two materials by at least 50 mm.
 - Water flow direction should always be from carbon steel to stainless steel, not the reverse.
- Note: Surface discolouration or staining from metal deposits on stainless steel does not necessarily indicate corrosion or structural damage.
- MATERIAL COMPOSITION
- 316L Chemical composition

Carbon	Silicon	Manganese	Phosphorus	Nickel
0.03 max	0.75 max	2.00 max	0.045 max	10.00-14.00
Chromium	Molybdenum	Sulfur	Iron	Others
16.00-18.00	2.00-3.00	0.030 max	Bal.	/



Proper adherence to these minimum spacing distances ensures a safe, consistent, and durable press system installation.

MINIMUM SPACING BETWEEN PRESS FITTINGS



CLEARANCE BETWEEN TWO PRESS FITTINGS		CLEARANCE BETWEEN PRESS FITTING AND WALL	
FITTING SIZE	MINIMUM CLEARANCE MM	FITTING SIZE	MINIMUM CLEARANCE MM
DN15	10	DN15	60
DN22	10	DN22	60
DN28	10	DN28	60
DN35	20	DN35	60
DN42	20	DN42	60
DN54	20	DN54	60
DN76.1	30	DN76.1	60
DNT08	30	DNT08	60
DNT66	60	DNT68	70

MINIMUM CLEARANCES FOR PRESSING

Adequate clearance must be maintained around each fitting to ensure that the pressing tool and jaw or sling can be correctly positioned and operated.

Insufficient clearance may prevent the tool from engaging properly, resulting in an incomplete press and compromised joint integrity.

CLEARANCE REQUIREMENTS

The minimum clearance varies depending on:

- The size of the press fitting, and
- The type of pressing tool or jaw profile being used (V-profile or M-profile).

To achieve a uniform, secure connection:

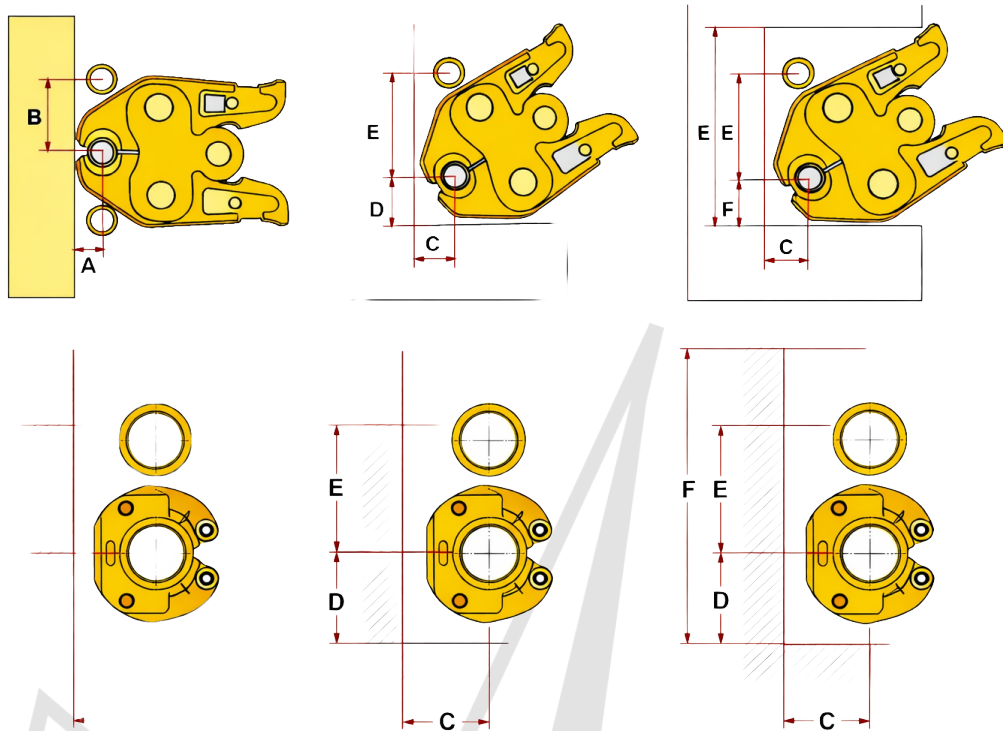
- Ensure press tools have unobstructed access to the fitting.
- Maintain the manufacturer's recommended minimum clearances around each fitting.
- Avoid pressing too close to walls, other fittings, or structural elements that restrict tool movement.

Refer to the clearance diagrams and tables for the exact minimum distances required for each pipe diameter and tool configuration.

Proper tool clearance ensures accurate, consistent pressing and extends the service life of both fittings and equipment.

MINIMUM CLEARANCES FOR PRESSING

Minimum clearance depending on the different sizes of the press tools



BENDING STAINLESS STEEL

Hot bending of stainless steel tubes is not allowed as it will adversely affect the composition of the stainless steel, compromising performance.

Stainless steel pipes up to and including dimension 28 mm must be cold bent with suitable bending tools. Larger size tubes are not to be bent.

A bending radius, measured in the neutral axis of the bend, of at least $R = 3.5D$ is to be maintained, where R is the radius and D is the tube diameter. It is to be ensured that, after bending, a sufficiently long, straight cylindrical tube piece is available for further processing.

TOOLING

At Lightning Building Products we recommend the Zupper Press Tool for all Stainless Steel press joints in both V and M profile fittings.

The Zupper 18 volt Powered Hydraulic Press Tool Kit-PZ-1550 is perfect for sizes 15mm, 18mm, 22mm, 28mm, 35mm, 42mm and 54mm V profile fittings.

PZ-1550 FEATURES

- Battery press tool with in-line grip.
- Only 3-4.5S to finish one cycle press
- The tool comes standard with two 18v, 4.0Ah Lion-batteries and one charger.
- It can achieve over 350 cycles per charger.
- Motor drivers, Micro-computer control system, LED screen and double valve hydraulic system.



The Zupper 18 volt Powered Hydraulic Press Tool Kit-ED-60100 is perfect for sizes 76mm, 88.9mm, 108mm and 168mm M profile fittings

ED-60100 FEATURES

- Designed with matching press jaws
- Cylinder is made of steel, for longer life
- Two stage hydraulic system, high-efficiency
- LED Display shows battery percentage, pressing times, fault code-maintenance note.



PLEASE NOTE:

Tool Maintenance Every 10x Presses Lightly lubricate inside press zone groove of jaws & collars with an Inox spray. Ensure they are clean from dirt or any debris.

PRESSURE LOSS & FLOW RATES

To determine the flow resistance within a straight section of a piping system, the pressure loss per unit length must first be established. The total pressure drop is then calculated by multiplying this unit resistance by the overall pipe length. The pressure loss per unit length may be determined analytically using the Hazen–Williams equation.

$$P = \frac{6.05 \times 10^5}{C^{1.85} \times d_i^{4.87}} \times Q^{1.85}$$

P = pressure drop in the pipe [bar/m]
Q = flow through the pipe [l/min]
d_i = mean internal diameter of the pipe [mm]
C = constant for type and condition of the pipe (140 for Stainless Steel)

If detailed hydraulic calculations are required, reference should be made to the relevant specialist literature. For standard installation design purposes, pressure loss calculations can be performed using the appropriate diagrams.

Using these diagrams, the unit pressure drop [R] and flow velocity [m/s] for a given water flow rate can be determined quickly and simply. Once the unit pressure drop [R] and the actual or equivalent length of the piping system are known, the total pressure drop for the specific pipe section can be calculated.

The diagram applies to water at a temperature of 80 °C. As the unit pressure drop [R] varies with temperature, a correction factor must be applied when operating conditions differ. While individual graphs can be generated for different temperatures and velocity ranges, this approach becomes impractical for routine calculations.

In addition to temperature, water additives—such as antifreeze—also influence the value of [R] and require further correction. To simplify this process, the nomogram. This nomogram provides the correction factor [Kc] that must be applied to [R] for the actual fluid temperature.

Example:

For a flow rate of 700 L/h in a 22 × 1.2 mm pipe, the unit pressure drops [R] at 80 °C is 27 WS/m (≈ 270 Pa/m). To determine the unit pressure, drop at a water temperature of 40 °C, the value of [R] must first be identified for that temperature and then multiplied by the corresponding correction factor [Kc] obtained from the nomogram.

Pipe sizing and pressure losses Stainless Steel pipe: d 15, 18, 22, 28, 35, 42, 54, 76, 89, 108, 168

The pressure losses are calculated according to the Nikuradse formula:

$$R = (27 / 0.82) \times 0.89 =$$

$$29.3 \text{ mm WS/m } R5/\text{m} [293 \text{ Pa/m}]$$

$$R = (27/0.82) \times 0.89 = 29.3 \text{ mm WS/m } [293 \text{ Pa/m}]$$

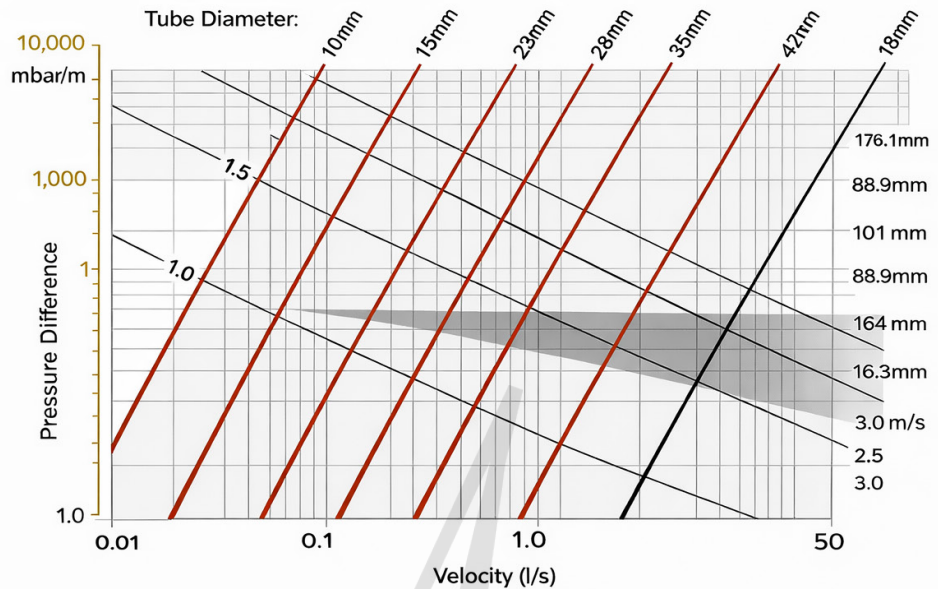
$R = 8,48455 \cdot 109 \cdot m^{1,7749} \cdot d_i^{-4,807}$
 Surface roughness: 0,01 mm
R = pressure loss (Pa/m)
m = flow rate (l/h)
d_i = pipe insider diameter (mm)

PRESSURE LOSS & FLOW RATES

The graph adjacent shows the relationship between pressure loss, flow velocity for each diameter.

Test Details

- Material: Stainless Steel 316L
- Media: Potable Water
- Test Temperature: 10°C
- Surface Roughness Coefficient: 0.0015mm (average).



■ CuNiFe recommended flow speed to prevent fouling between 1.0 and max 3.0 m/s (DIN EN 85004-2).



V & M TYPE FITTINGS 76.1 – 168mm INSTALLATION

STEP 1

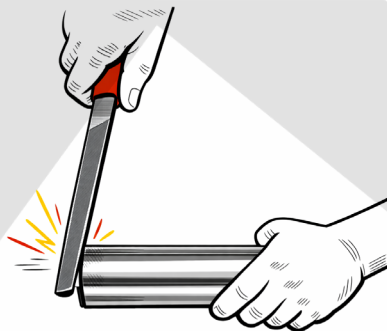
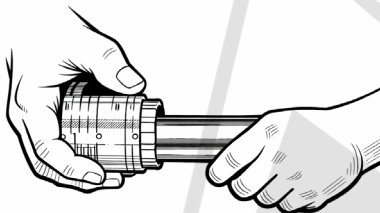
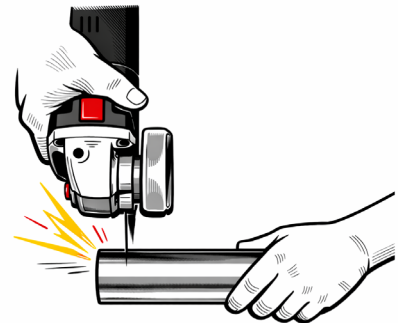
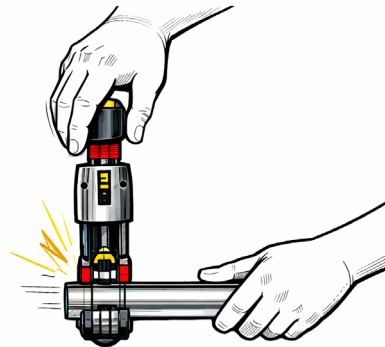
Pipe Cutting

Before installation, ensure the pipe is free from any damage, dents, corrosion, or deformation. Only use approved cutting tools suitable for stainless-steel press piping.

Use a wheel-type tube cutter to cut the Stainless-Steel tube or a rotary pipe cutter or 5" grinder with a thin cutting disk is recommended for achieving a clean and accurate cut on larger bored tube.

Cut the pipe vertically, ensuring the blade remains steady and square to the pipe wall. The cut must be perfectly perpendicular (90°) to ensure correct seating of the fitting and optimal sealing performance. Avoid using tools that may create burrs, uneven edges, or distort the pipe, as this can compromise the integrity of the press joint.

After cutting, inspect the pipe end to confirm that the cut is smooth and straight before proceeding to the next step.



STEP 2

Pipe De-Burring

After cutting, all pipe ends must be properly de-burred. Use a stainless-steel-specific hinge knife, reaming tool, or an angle grinder equipped with an appropriate de-burring wheel to remove all burrs, sharp edges, and cutting debris.

De-burr both the inside and outside of the pipe end. Ensure the surface is smooth, clean, and completely free from oil, metal shavings, dust, or contaminants. Proper de-burring is essential to prevent damage to the O-ring when the pipe is inserted into the press fitting. Any remaining burrs or rough edges may compromise the seal, reduce system reliability, or cause leaks.

Always inspect the pipe end after de-burring to confirm a clean, smooth finish before proceeding to the next step.



INSTALLATION INSTRUCTIONS CONTINUED

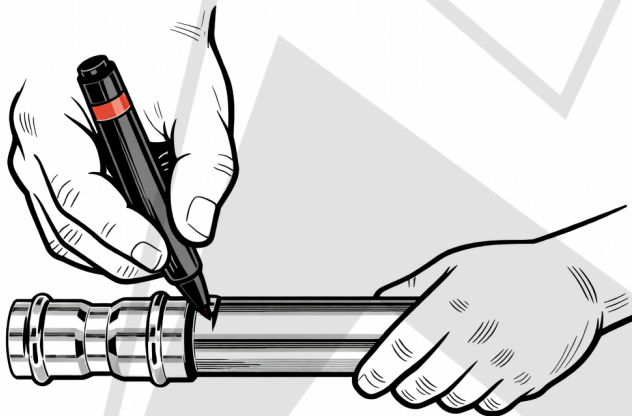
STEP 3

Seal Inspection

Before assembling the joint, carefully inspect the O-ring located inside the fitting. Ensure the O-ring is intact, undamaged, and free from cuts, twists, or deformation.

Confirm that the O-ring is seated correctly in its designated groove and has not shifted during handling or transport. The sealing surface inside the fitting should also be clean, dry, and free from dust, metal shavings, or any foreign material that may affect the integrity of the seal.

If any damage or irregularity is found, replace the O-ring or fitting before continuing with installation. Proper seal inspection ensures a reliable, leak-free press connection.



STEP 4

Mark the Insertion Depth

Align the pipe with the fitting and mark the correct insertion depth on the pipe using a suitable marker. This depth mark ensures the pipe is fully inserted into the fitting during assembly.

Marking the insertion depth is essential to avoid leaks caused by insufficient engagement of the pipe inside the fitting. A pipe inserted too shallow may not compress properly during pressing, resulting in a weakened or incomplete seal.

Always verify that the pipe is pushed into the fitting up to the marked line before pressing ensure a secure and reliable connection.



INSTALLATION INSTRUCTIONS CONTINUED

STEP 5

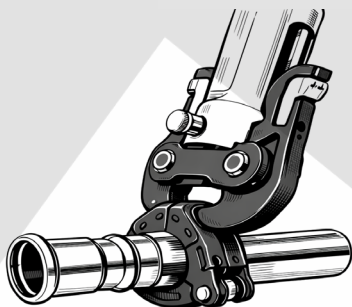
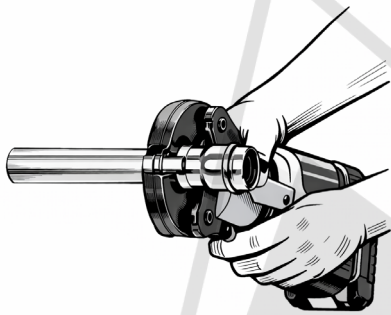
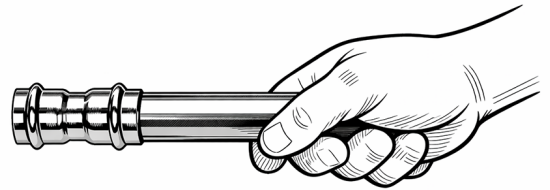
Connection

Before assembling, confirm once again that the O-ring is correctly installed inside the fitting and has not shifted out of its groove.

Insert the pipe into the fitting all the way to the internal stop, applying a slight rotational motion to help the pipe seat smoothly and evenly against the O-ring. This rotation also helps ensure the O-ring stays in position and forms a proper seal.

Once inserted, check that the outer edge of the fitting aligns exactly with the insertion-depth mark made in Step 4. This confirms the pipe is fully engaged and ready for pressing.

If the mark and fitting edge do not align, remove the pipe, inspect for obstructions or damage, and reinsert until the correct position is achieved. Proper alignment is essential to ensure a reliable and leak-free press connection.



STEP 6

Pressing

Select and Prepare the Press Jaw

Choose the correct press jaw according to the fitting size. Ensure the jaw surface is clean, undamaged, and free from debris. Attach the press jaw securely to the press tool, closing any retention or locking mechanisms as required by the tool manufacturer.

Position the Press Jaw

Confirm the fitting has not shifted and that the outer edge of the fitting still aligns with the insertion-depth mark on the pipe.

Open the press jaw fully and position it at a right angle (90°) to the fitting. Ensure the bead of the fitting sits correctly inside the jaw groove, allowing the press tool to apply uniform force during the pressing operation.

Perform the Pressing Operation

Initiate the pressing procedure by pressing the start button. The tool will complete the pressing cycle automatically, typically within 3–5 seconds. Do not interrupt or release the tool prematurely, as this can result in an incomplete press and a compromised joint.



INSTALLATION INSTRUCTIONS CONTINUED

STEP 7

Inspection & Testing

Ensure the pressed profile matches the required dimensions and that the fitting bead has been fully and correctly compressed.

Once all joints in the section have been checked and confirmed, conduct a pressure test in accordance with relevant standards and site requirements. This ensures the system is properly sealed, leak-free, and ready for commissioning. Lightning test forms can be located at <http://www.lightningbuildingproducts.com.au/>

Any irregularities, deformation, or signs of leakage must be investigated and corrected before the system is put into service.



STAINLESS STEEL RANGE

Stainless Steel Press Elbow 90° F & F



Code	Supplier Code	Description	Bag Qty
5123456	LBPSP-L15x15	LIGHTNING S/S PRESS 15MM F AND F EL-BOW 90 V 316L WATER	10
5123457	LBPSP-L22x22	LIGHTNING S/S PRESS 22MM F AND F EL-BOW 90 V 316L WATER	10
5123458	LBPSP-L28x28	LIGHTNING S/S PRESS 28MM F AND F EL-BOW 90 V 316L WATER	10
5123459	LBPSP-L35x35	LIGHTNING S/S PRESS 35MM F AND F EL-BOW 90 V 316L WATER	10
5123460	LBPSP-L42x42	LIGHTNING S/S PRESS 42MM F AND F EL-BOW 90 V 316L WATER	5
5123461	LBPSP-L54x54	LIGHTNING S/S PRESS 54MM F AND F ELBOW 90 V 316L WATER	2
5123462	LBPSP-L76x76	LIGHTNING S/S PRESS 76MM F AND F EL-BOW 90 M 316L WATER	1
5123463	LBPSP-L88x88	LIGHTNING S/S PRESS 88.9MM F AND F ELBOW 90 M 316L WATER	1
5123464	LBPSP-L108x108	LIGHTNING S/S PRESS 108MM F AND F ELBOW 90 M 316L WATER	1
5123465	LBPSP-L168x168	LIGHTNING S/S PRESS 168MM F AND F ELBOW 90 M 316L WATER	1

Stainless Steel Press Elbow 90° M & F

Code	Supplier Code	Description	Bag Qty
5123471	LBPSP-L15Mx15F	LIGHTNING S/S PRESS 15MM M AND F EL-BOW 90 With Plain End V 316L WATER	10
5123472	LBPSP-L22Mx22F	LIGHTNING S/S PRESS 22MM M AND F EL-BOW 90 With Plain End V 316L WATER	10
5123473	LBPSP-L28Mx28F	LIGHTNING S/S PRESS 28MM M AND F EL-BOW 90 With Plain End V 316L WATER	10
5123474	LBPSP-L35Mx35F	LIGHTNING S/S PRESS 35MM M AND F ELBOW 90 With Plain End V 316L WATER	10
5123475	LBPSP-L42Mx42F	LIGHTNING S/S PRESS 42MM M AND F EL-BOW 90 With Plain End V 316L WATER	5
5123476	LBPSP-L54Mx54F	LIGHTNING S/S PRESS 54MM M AND F EL-BOW 90 With Plain End V 316L WATER	2
5123477	LBPSP-L76Mx76F	LIGHTNING S/S PRESS 76MM M AND F EL-BOW 90 With Plain End M 316L WATER	1



STAINLESS STEEL RANGE

Stainless Steel Press Elbow 90° F Threaded End



Code	Supplier Code	Description	Bag Qty
5123485	LBPSP-L15x1/2F	LIGHTNING S/S PRESS 15MM X 1/2" 90 Elbow With Female Threaded End V 316L WATER	10
5123486	LBPSP-L22x3/4F	LIGHTNING S/S PRESS 22MM X 3/4" 90 Elbow With Female Threaded End V 316L WATER	10
5123487	LBPSP-L28x1F	LIGHTNING S/S PRESS 28MM X 1" 90 Elbow With Female Threaded End V 316L WATER	10
5123488	LBPSP-L35x1 1/4F	LIGHTNING S/S PRESS 35MM X 1 1/4" 90 Elbow With Female Threaded End V 316L WATER	10
5123489	LBPSP-L42x1 1/2F	LIGHTNING S/S PRESS 42MM X 1 1/2" 90 Elbow With Female Threaded End V 316L WATER	5
5123490	LBPSP-L54x54	LIGHTNING S/S PRESS 54MM X 2" 90 Elbow With Female Threaded End V 316L WATER	2

Stainless Steel Press Elbow 90° M Threaded End

Code	Supplier Code	Description	Bag Qty
5123496	LBPSP-L15x1/2M	LIGHTNING S/S PRESS 15MM X 1/2" 90 Elbow With Male Threaded End V 316L WATER	10
5123497	LBPSP-L22x3/4M	LIGHTNING S/S PRESS 22MM X 3/4" 90 Elbow With Male Threaded End V 316L WATER	10
5123498	LBPSP-L28x1M	LIGHTNING S/S PRESS 28MM X 1" 90 Elbow With Male Threaded End V 316L WATER	10
5123499	LBPSP-L35x1 1/4M	LIGHTNING S/S PRESS 35MM X 1 1/4" 90 Elbow With Male Threaded End V 316L WATER	10
5123500	LBPSP-L42x1 1/2M	LIGHTNING S/S PRESS 42MM X 1 1/2" 90 Elbow With Male Threaded End V 316L WATER	5
5123501	LBPSP-L54x2M	LIGHTNING S/S PRESS 54MM X 2" 90 Elbow With Male Threaded End V 316L WATER	2



STAINLESS STEEL RANGE

Stainless Steel Press Elbow 45° F & F



Code	Supplier Code	Description	Bag Qty
5123507	LBPSP-L15x15x45D	LIGHTNING S/S PRESS 15MM F AND F 45 Elbow V 316L WATER	10
5123508	LBPSP-L22x22x45D	LIGHTNING S/S PRESS 22MM F AND F 45 Elbow V 316L WATER	10
5123509	LBPSP-L28x28x45D	LIGHTNING S/S PRESS 28MM F AND F 45 Elbow 316L WATER	10
5123510	LBPSP-L35x35x45D	LIGHTNING S/S PRESS 35MM F AND F 45 Elbow V 316L WATER	10
5123511	LBPSP-L42x42x45D	LIGHTNING S/S PRESS 42MM F AND F 45 Elbow V 316L WATER	5
5123512	LBPSP-L54x54x45D	LIGHTNING S/S PRESS 54MM F AND F 45 Elbow V 316L WATER	2
5123513	LBPSP-L76x76x45D	LIGHTNING S/S PRESS 76MM F AND F 45 Elbow M 316L WATER	1
5123514	LBPSP-L88x88x45D	LIGHTNING S/S PRESS 88.9MM F AND F 45 Elbow M 316L WATER	1
5123515	LBPSP-L108x108x45D	LIGHTNING S/S PRESS 108MM F AND F 45 Elbow M 316L WATER	1
5123516	LBPSP-L168x168x45D	LIGHTNING S/S PRESS 168MM F AND F 45 Elbow M 316L WATER	1

Stainless Steel Press Elbow 45° M & F Plain End

Code	Supplier Code	Description	Bag Qty
5123522	LBPSP-L15Mx-15Fx45D	LIGHTNING S/S PRESS 15MM M AND F 45 Elbow With Plain End V 316L WATER	10
5123523	LBPSP-L22Mx-22Fx45D	LIGHTNING S/S PRESS 22MM M AND F 45 Elbow With Plain End V 316L WATER	10
5123524	LBPSP-L28Mx-28Fx45D	LIGHTNING S/S PRESS 28MM M AND F 45 Elbow With Plain End V 316L WATER	10
5123525	LBPSP-L35Mx-35Fx45D	LIGHTNING S/S PRESS 35MM M AND F 45 Elbow With Plain End V 316L WATER	10
5123526	LBPSP-L42Mx-42Fx45D	LIGHTNING S/S PRESS 42MM M AND F 45 Elbow With Plain End V 316L WATER	5
5123527	LBPSP-L54Mx-54Fx45D	LIGHTNING S/S PRESS 54MM M AND F 45 Elbow With Plain End V 316L WATER	2
5123528	LBPSP-L76Mx-76Fx45D	LIGHTNING S/S PRESS 76MM M AND F 45 Elbow With Plain End M 316L WATER	1
5123529	LBPSP-L88.9Mx-88.9Fx45D	LIGHTNING S/S PRESS 88.9MM M AND F 45 Elbow With Plain End M 316L WATER	1
5123530	LBPSP-L108Mx-108Fx45D	LIGHTNING S/S PRESS 168MM M AND F 45 Elbow With Plain End M 316L WATER	1



STAINLESS STEEL RANGE

Stainless Steel Press End Cap



Code	Supplier Code	Description	Bag Qty
5123536	LBPSP-D15	LIGHTNING S/S PRESS 15MM V 316L End Cap	10
5123537	LBPSP-D22	LIGHTNING S/S PRESS 22MM V 316L End Cap WATER	10
5123538	LBPSP-D28	LIGHTNING S/S PRESS 28MM V 316L End Cap WATER	10
5123539	LBPSP-D32	LIGHTNING S/S PRESS 35MM V 316L End Cap WATER	10
5123540	LBPSP-D42	LIGHTNING S/S PRESS 42MM V 316L End Cap WATER	5
5123541	LBPSP-D54	LIGHTNING S/S PRESS 54MM V 316L End Cap WATER	2
5123542	LBPSP-D76	LIGHTNING S/S PRESS 76MM M 316L End Cap WATER	1
5123543	LBPSP-D88.9	LIGHTNING S/S PRESS 88.9MM M 316L End Cap WATER	1
5123544	LBPSP-D108	LIGHTNING S/S PRESS 108MM M 316L End Cap WATER	1

STAINLESS STEEL RANGE

Stainless Steel Press Straight Coupling



Code	Supplier Code	Description	Bag Qty
5123550	LBPSP-C15x15	LIGHTNING S/S PRESS 15MM Straight Coupling V 316L WATER	10
5123551	LBPSP-C22x22	LIGHTNING S/S PRESS 22MM Straight Coupling V 316L WATER	10
5123552	LBPSP-C28x28	LIGHTNING S/S PRESS 28MM Straight Coupling V 316L WATER	10
5123553	LBPSP-C35x35	LIGHTNING S/S PRESS 35MM Straight Coupling V 316L WATER	10
5123554	LBPSP-C42x42	LIGHTNING S/S PRESS 42MM Straight Coupling V 316L WATER	5
5123555	LBPSP-C54x54	LIGHTNING S/S PRESS 54MM Straight Coupling V 316L WATER	2
5123556	LBPSP-C76x76	LIGHTNING S/S PRESS 76MM Straight Coupling M 316L WATER	1
5123557	LBPSP-C88.9x88.9	LIGHTNING S/S PRESS 88.9MM Straight Coupling M 316L WATER	1
5123558	LBPSP-C108x108	LIGHTNING S/S PRESS 108MM Straight Coupling M 316L WATER	1

Stainless Steel Press Slip Coupling

Code	Supplier Code	Description	Bag Qty
5123565	LBPSP-S15x15	LIGHTNING S/S PRESS 15MM Slip Coupling V 316L WATER	10
5123566	LBPSP-S22x22	LIGHTNING S/S PRESS 22MM Slip Coupling V 316L WATER	10
5123567	LBPSP-S28x28	LIGHTNING S/S PRESS 28MM Slip Coupling V 316L WATER	10
5123568	LBPSP-S35x35	LIGHTNING S/S PRESS 53MM Slip Coupling V 316L WATER	10
5123569	LBPSP-S42x42	LIGHTNING S/S PRESS 42MM Slip Coupling V 316L WATER	5
5123570	LBPSP-S54x54	LIGHTNING S/S PRESS 54MM Slip Coupling V 316L WATER	2
5123571	LBPSP-S76x76	LIGHTNING S/S PRESS 76MM Slip Coupling M 316L WATER	1
5123572	LBPSP-S88x88	LIGHTNING S/S PRESS 88.9MM Slip Coupling M 316L WATER	1
5123573	LBPSP-S108x108	LIGHTNING S/S PRESS 108MM Slip Coupling M 316L WATER	1



STAINLESS STEEL RANGE

Stainless Steel Press M & F Reducer w/ Plain End



Code	Supplier Code	Description	Bag Qty
5123579	LBPSP-S22Mx15F	LIGHTNING S/S PRESS 22MM X 15MM M And F Reducer with Plain end V 316L WATER	10
5123580	LBPSP-S28Mx15F	LIGHTNING S/S PRESS 28MM X 15MM M And F Reducer with Plain end V 316L WATER	10
5123581	LBPSP-S28Mx22F	LIGHTNING S/S PRESS 28MM X 22MM M And F Reducer with Plain end V 316L WATER	10
5123582	LBPSP-S35Mx22F	LIGHTNING S/S PRESS 35MM X 22MM M And F Reducer with Plain end V 316L WATER	10
5123583	LBPSP-S35Mx28F	LIGHTNING S/S PRESS 35MM X 28MM M And F Reducer with Plain end V 316L WATER	10
5123584	LBPSP-S42Mx22F	LIGHTNING S/S PRESS 42MM X 22MM M And F Reducer with Plain end V 316L WATER	5
5123585	LBPSP-S42Mx28F	LIGHTNING S/S PRESS 42MM X 28MM M And F Reducer with Plain end V 316L WATER	5
5123586	LBPSP-S42Mx35F	LIGHTNING S/S PRESS 42MM X 35MM M And F Reducer with Plain end V 316L WATER	5
5123587	LBPSP-S54Mx28F	LIGHTNING S/S PRESS 54MM X 28MM M And F Reducer with Plain end V 316L WATER	2
5123588	LBPSP-S54Mx35F	LIGHTNING S/S PRESS 54MM X 35MM M And F Reducer with Plain end V 316L WATER	2
5123589	LBPSP-S54Mx42F	LIGHTNING S/S PRESS 54MM X 42MM M And F Reducer with Plain end V 316L WATER	2
5123590	LBPSP-S76Mx54F	LIGHTNING S/S PRESS 76MM X 54MM M And F Reducer with Plain end M/V 316L WATER	1
5123591	LBPSP-S88.9Mx54F	LIGHTNING S/S PRESS 88.9MM X 54MM M And F Reducer with Plain end M/V 316L WATER	1
5123592	LBPSP-S88.9Mx76F	LIGHTNING S/S PRESS 88.9MM X 76MM M And F Reducer with Plain end M/V 316L WATER	1
5123593	LBPSP-S108Mx54F	LIGHTNING S/S PRESS 108MM X 54MM M And F Reducer with Plain end M/V 316L WATER	1
5123594	LBPSP-S108Mx76F	LIGHTNING S/S PRESS 108MM X 76MM M And F Reducer with Plain end M 316L WATER	1
5123595	LBPSP-S108Mx88.9F	LIGHTNING S/S PRESS 108MM X 88.9MM M And F Reducer with Plain end M 316L WATER	1

STAINLESS STEEL RANGE

Stainless Steel Press F & F Reducer



Code	Supplier Code	Description	Bag Qty
5123601	LBPSP-S22x15	LIGHTNING S/S 22MM X 15MM F And F Reducer V 316L WATER	10
5123602	LBPSP-S28x15	LIGHTNING S/S PRESS 28MM X 15MM F And F Reducer V 316L WATER	10
5123603	LBPSP-S28x22	LIGHTNING S/S PRESS 28MM X 22MM F And F Reducer V 316L WATER	10
5123604	LBPSP-S35x22	LIGHTNING S/S PRESS 35MM X 22MM F And F Reducer V 316L WATER	10
5123605	LBPSP-S35x28	LIGHTNING S/S PRESS 35MM X 28MM F And F Reducer V 316L WATER	10
5123606	LBPSP-S42x22	LIGHTNING S/S PRESS 42MM X 22MM F And F Reducer V 316L WATER	5
5123607	LBPSP-S42x28	LIGHTNING S/S PRESS 42MM X 28MM F And F Reducer V 316L WATER	5
5123608	LBPSP-S42x35	LIGHTNING S/S PRESS 42MM X 35MM F And F Reducer V 316L WATER	5
5123609	LBPSP-S54x28	LIGHTNING S/S PRESS 54MM X 28MM F And F Reducer V 316L WATER	2
5123610	LBPSP-S54x35	LIGHTNING S/S PRESS 54MM X 35MM F And F Reducer V 316L WATER	2
5123611	LBPSP-S54x42	LIGHTNING S/S PRESS 54MM X 42MM F And F Reducer V 316L WATER	2
5123612	LBPSP-S76x54	LIGHTNING S/S PRESS 76MM X 54MM F And F Reducer M/V 316L WATER	1
5123613	LBPSP-S88.9x54	LIGHTNING S/S PRESS 88.9MM X 54MM F And F Reducer M/V 316L WATER	1
5123614	LBPSP-S88.9x76	LIGHTNING S/S PRESS 88.9 X 76MM F And F Reducer M 316L WATER	1
5123615	LBPSP-S108x54	LIGHTNING S/S PRESS 108MM X 54MM F And F Reducer M/V 316L WATER	1
5123616	LBPSP-S108x76	LIGHTNING S/S PRESS 108MM X 76MM F And F Reducer M 316L WATER	1
5123617	LBPSP-S108x88.9	LIGHTNING S/S PRESS 108MM X 88.9MM F And F Reducer M 316L WATER	1

STAINLESS STEEL RANGE

Stainless Steel Press Equal Tee



Code	Supplier Code	Description	Bag Qty
5123623	LBPSP-T15x15x15	LIGHTNING S/S PRESS 15MM Equal Tee V 316L WATER	10
5123624	LBPSP-T22x22x22	LIGHTNING S/S PRESS 22MM Equal Tee V 316L WATER	10
5123625	LBPSP-T28x28x28	LIGHTNING S/S PRESS 28MM Equal Tee V 316L WATER	10
5123626	LBPSP-T35x35x35	LIGHTNING S/S PRESS 35MM Equal Tee V 316L WATER	10
5123627	LBPSP-T42x42x42	LIGHTNING S/S PRESS 42MM Equal Tee V 316L WATER	5
5123628	LBPSP-T54x54x54	LIGHTNING S/S PRESS 54MM Equal Tee V 316L WATER	2
5123629	LBPSP-T76x76x76	LIGHTNING S/S PRESS 76MM Equal Tee M 316L WATER	1
5123630	LBP-SP-T88.9x88.9x88.9	LIGHTNING S/S PRESS 88.9MM Equal Tee M 316L WATER	1
5123631	LBPSP-T108x108x108	LIGHTNING S/S PRESS 108MM Equal Tee M 316L WATER	1
5123632	LBPSP-T168x168x168	LIGHTNING S/S PRESS 168MM Equal Tee M 316L WATER	1

Stainless Steel Press Tee w/ Male Threaded Centre

Code	Supplier Code	Description	Bag Qty
5123655	LBPSP-T15x1/2M	LIGHTNING S/S PRESS Tee with Male Threaded Centre 15mm x 1/2" x 15mm V 316L WATER	10
5123656	LBPSP-T22x3/4M	LIGHTNING S/S PRESS Tee with Male Threaded Centre 22mm x 3/4" x 22mm V 316L WATER	10
5123657	LBPSP-T28x1M	LIGHTNING S/S PRESS Tee with Male Threaded Centre 28mm x 1" 28mm 316L WATER	10
5123658	LBPSP-T35x11/4M	LIGHTNING S/S PRESS Tee with Male Threaded Centre 35mm x 1-1/4 35mm V "316L WATER	10
5123659	LBPSP-T42x11/2M	LIGHTNING S/S PRESS Tee with Male Threaded Centre 42mm x 1-1/2" x 42mm V 316L WATER	5
5123660	LBPSP-T54x2M	LIGHTNING S/S PRESS Tee with Male Threaded Centre 54mm x 2" x 54mm V 316L WATER	2



STAINLESS STEEL RANGE

Stainless Steel Press Tee w/ Female Threaded Centre



Code	Supplier Code	Description	Bag Qty
5123666	LBPSP-T15x1/2F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 15mm x 1/2" x 15mm V 316L WATER	10
5123667	LBPSP-T22x1/2F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 22mm x 1/2" x 22mm V 316L WATER	10
5123668	LBPSP-T22x3/4F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 22mm x 3/4" x 22mm V 316L WATER	10
5123669	LBPSP-T28x1/2F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 28mm x 1/2" x 28mm V 316L WATER	10
5123670	LBPSP-T28x3/4F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 28mm x 3/4" x 28mm V 316L WATER	10
5123671	LBPSP-T28x1F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 28mm x 1" x 28mm V 316L WATER	10
5123672	LBPSP-T35x1/2F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 35mm x 1/2" x 35mm V 316L WATER	10
5123673	LBPSP-T35x3/4F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 35mm x 3/4" x 35mm V 316L WATER	10
5123674	LBPSP-T35x11/4F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 35x1 1/4 35mm x 1 1/4" x 35mm V 316L WATER	10
5123675	LBPSP-T42x1/2F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 42mm x 1/2" x 42mm V 316L WATER	5
5123676	LBPSP-T42x3/4F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 42mm x 3/4" x 42mm V 316L WATER	5
5123677	LBPSP-T42x11/2F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 42mm x 1 1/2" x 42mm V 316L WATER	5
5123678	LBPSP-T54x1/2F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 54mm x 1/2" x 54mm V 316L WATER	2
5123679	LBPSP-T54x3/4F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 54mm x 3/4" x 54mm V 316L WATER	2
5123680	LBPSP-T54x2F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 54mm x 2" x 54mm V 316L WATER	2
5123681	LBPSP-T76x3/4F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 76mm x 3/4" x 76mm M 316L WATER	1
5123682	LBPSP-T76x2F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 76mm x 2" x 72mm M 316L WATER	1
5123683	LBPSP-T88.9x3/4F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 88.9mm x 3/4" x 88.9mm M 316L	1
5123684	LBPSP-T88.9x2F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 88.9mm x 2" x 88.9 M 316L WATER	1
5123685	LBPSP-T108x3/4F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 108mm x 3/4" x 108mm M 316L WATER	1
5123686	LBPSP-T108x2F	LIGHTNING S/S PRESS Tee with Female Threaded Centre 108mm x 2" x 108mm M 316L WATER	1

STAINLESS STEEL RANGE

Stainless Steel Press Female Adapter



Code	Supplier Code	Description	Bag Qty
5123708	LBPSP-C15X1/2F	LIGHTNING S/S PRESS Female Adapter 15mm x 1/2" V 316L WATER	10
5123709	LBPSP-C15X3/4F	LIGHTNING S/S PRESS Female Adapter 15mm x 3/4" V 316L WATER	10
5123710	LBPSP-C22X1/2F	LIGHTNING S/S PRESS Female Adapter 22mm x 1/2" V 316L WATER	10
5123711	LBPSP-C22X3/4F	LIGHTNING S/S PRESS Female Adapter 22mm x 3/4" V 316L WATER	10
5123712	LBPSP-C22X1F	LIGHTNING S/S PRESS Female Adapter 22mm x 1" V 316L WATER	10
5123713	LBPSP-C28X3/4F	LIGHTNING S/S PRESS Female Adapter 28mm x 3/4" V 316 WATER	10
5123714	LBPSP-C28X1F	LIGHTNING S/S PRESS Female Adapter 28mm x 1" V 316 WATER	10
5123715	LBPSP-C35X1F	LIGHTNING S/S PRESS Female Adapter 35mm x 1" V 316 WATER	10
5123716	LBPSP-C35X11/4F	LIGHTNING S/S PRESS Female Adapter 35mm x 1 1/4" V 316 WATER	10
5123717	LBPSP-C35X11/2F	LIGHTNING S/S PRESS Female Adapter 35mm x 1 1/2" V 316 WATER	10
5123718	LBPSP-C42X11/4F	LIGHTNING S/S PRESS Female Adapter 42mm x 1 1/4" V 316L WATER	5
5123719	LBPSP-C42X11/2F	LIGHTNING S/S PRESS Female Adapter 42mm x 1 1/2" V 316L WATER	5
5123720	LBPSP-C54X11/2F	LIGHTNING S/S PRESS Female Adapter 54mm x 1 1/2" V 316L WATER	2
5123721	LBPSP-C54X2F	LIGHTNING S/S PRESS Female Adapter 54mm x 2" V 316L WATER	2

STAINLESS STEEL RANGE

Stainless Steel Press Male Adapter



Code	Supplier Code	Description	Bag Qty
5123692	LBPSP-C15x1/2M	LIGHTNING S/S PRESS Male Adapter 15mmx1/2" V 316L WATER	10
5123693	LBPSP-C22x1/2M	LIGHTNING S/S PRESS Male Adapter 22mm x 1/2" V 316L WATER	10
5123694	LBPSP-C22x3/4M	LIGHTNING S/S PRESS Male Adapter 22mm x 3/4" V 316L WATER	10
5123695	LBPSP-C28x3/4M	LIGHTNING S/S PRESS Male Adapter 28mm x 3/4" V 316L WATER	10
5123696	LBPSP-C28x1M	LIGHTNING S/S PRESS Male Adapter 28mm x 1" V 316L WATER	10
5123697	LBPSP-C35x1M	LIGHTNING S/S PRESS Male Adapter 35mm x 3/4" V 316L WATER	10
5123698	LBPSP-C35x1 1/4M	LIGHTNING S/S PRESS Male Adapter 35mm x 1 1/4" V 316L WATER	10
5123699	LBPSP-C42x1 1/2M	LIGHTNING S/S PRESS Male Adapter 42mm x 1 1/2" V 316L WATER	5
5123700	LBPSP-C54x2M	LIGHTNING S/S PRESS Male Adapter 54mm x 2" V 316L WATER	2
5123701	LBPSP-C76x2 1/2M	LIGHTNING S/S PRESS Male Adapter 76mm x 2 1/2" M 316L WATER	1
5123702	LBPSP-C88.9x3M	LIGHTNING S/S PRESS Male Adapter 88.9mm x 3" M 316L WATER	1

STAINLESS STEEL RANGE

Stainless Steel Press Flange 4 Bolt Holes



Code	Supplier Code	Description	Bag Qty
5123727	LBPSP-F15	LIGHTNING S/S PRESS 15mm Flange 4 Bolt holes V 316L WATER	10
5123728	LBPSP-F22	LIGHTNING S/S PRESS 22mm Flange 4 Bolt holes V 316L WATER	10
5123729	LBPSP-F28	LIGHTNING S/S PRESS 28mm Flange 4 Bolt holes V 316L WATER	10
5123730	LBPSP-F35	LIGHTNING S/S PRESS 35mm Flange 4 Bolt holes V 316L WATER	10
5123731	LBPSP-F42	LIGHTNING S/S PRESS 42mm Flange 4 Bolt holes V 316L WATER	5
5123732	LBPSP-F54	LIGHTNING S/S PRESS 54mm Flange 4 Bolt holes V 316L WATER	2
5123733	LBPSP-F76	LIGHTNING S/S PRESS 76mm Flange 8 Bolt holes M 316L WATER	1
5123734	LBPSP-F88.9	LIGHTNING S/S PRESS 88.9mm Flange 8 Bolt holes M 316L WATER	1
5123735	LBPSP-F108	LIGHTNING S/S PRESS 108mm Flange 8 Bolt holes M 316L WATER	1

Stainless Steel Press Full Crossover

Code	Supplier Code	Description	Bag Qty
5123741	LBPSP-B15	LIGHTNING S/S PRESS 15mm Full Cross-over V 316L WATER	10
5123742	LBPSP-B22	LIGHTNING S/S PRESS 22mm Full Cross-over V 316L WATER	10
5123743	LBPSP-B28	LIGHTNING S/S PRESS 28mm Full Cross-over V 316L WATER	10



Stainless Steel Press 60° Pipe Bridge



Code	Supplier Code	Description	Bag Qty
5123749	LBPSP-B15x60D	LIGHTNING S/S PRESS 15mm 60deg Pipe Bridge V 316L WATER	10
5123750	LBPSP-B22x60D	LIGHTNING S/S PRESS 22mm 60deg Pipe Bridge V 316L WATER	10
5123751	LBPSP-B28x60D	LIGHTNING S/S PRESS 28mm 60deg Pipe Bridge V 316L WATER	10
5123752	LBPSP-B35x60D	LIGHTNING S/S PRESS 35mm 60deg Pipe Bridge V 316L WATER	10
5123753	LBPSP-B42x60D	LIGHTNING S/S PRESS 42mm 60deg Pipe Bridge V 316L WATER	5
5123754	LBPSP-B54x60D	LIGHTNING S/S PRESS 54mm 60deg Pipe Bridge V 316L WATER	2

STAINLESS STEEL RANGE

Stainless Steel Press 60° Pipe Badge



Code	Supplier Code	Description	Bag Qty
5123755	LBPSP-B76x60D	LIGHTNING S/S PRESS 76mm 60deg Pipe Bridge M 316L WATER	1
5123756	LBPSP-B108x60D	LIGHTNING S/S PRESS 108mm 60deg Pipe Bridge M 316L WATER	1

Stainless Steel Press Union w/ Male Coupling

Code	Supplier Code	Description	Bag Qty
5123762	LBPSP-MU 15x1/2M	LIGHTNING S/S PRESS Union with male coupling 15mm*1/2" V 316L WATER	10
5123763	LBPSP-MU 22x3/4M	LIGHTNING S/S PRESS Union with male coupling 22mm*3/4" V 316L WATER	10
5123764	LBPSP-MU 28x1M	LIGHTNING S/S PRESS Union with male coupling 28mm*1" V 316L WATER	10
5123765	LBPSP-MU 35x1 1/4M	LIGHTNING S/S PRESS Union with male coupling 35mm*1 1/4" V 316L WATER	10
5123766	LBPSP-MU 42x1 1/2M	LIGHTNING S/S PRESS Union with male coupling 42mm*1 1/2" V 316L WATER	5
5123767	LBPSP-MU 54x2M	LIGHTNING S/S PRESS Union with male coupling 54mm*2" V 316L WATER	2



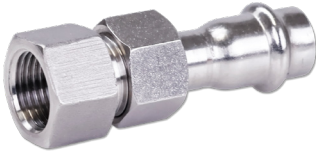
Stainless Steel Press Union w/ Double Male Straight



Code	Supplier Code	Description	Bag Qty
5123773	LBPSP-MMU 15x1/2M	LIGHTNING S/S PRESS Union with double male straight 15mm x 1/2" V 316L WATER	10
5123774	LBPSP-MMU 15x3/4M	LIGHTNING S/S PRESS Union with double male straight 15mm x 3/4" V 316L WATER	10
5123775	LBPSP-MMU 22x3/4M	LIGHTNING S/S PRESS Union with double male straight 22mm x 3/4" V 316L WATER	10
5123776	LBPSP-MMU 22x1M	LIGHTNING S/S PRESS Union with double male straight 22mm x 1" V 316L WATER	10
5123777	LBPSP-MMU 28x1M	LIGHTNING S/S PRESS Union with double male straight 28mm x 1" V 316L WATER	10
5123778	LBPSP-MMU 35x1 1/4M	LIGHTNING S/S PRESS Union with double male straight 35mm x 1 1/4" V 316L WATER	5
5123779	LBPSP-MMU 35x1 1/2M	LIGHTNING S/S PRESS Union with double male straight 35mm x 1 1/2" V 316L WATER	5
5123780	LBPSP-MMU 42x1 1/2M	LIGHTNING S/S PRESS Union with double male straight 42mm x 1 1/2" V 316L WATER	2
5123781	LBPSP-MMU 54x2M	LIGHTNING S/S PRESS Union with double male straight 54mm x 2" V 316L WATER	1

STAINLESS STEEL RANGE

Stainless Steel Press Union w/ M & F Coupling



Code	Supplier Code	Description	Bag Qty
5123787	LBPSP-MFU 15x1/2	LIGHTNING S/S PRESS Union with Male and Female Coupling 15mm x 1/2" V 316L WATER	10
5123788	LBPSP-MFU 15x3/4	LIGHTNING S/S PRESS Union with Male and Female Coupling 15mm x 3/4" V 316L WATER	10
5123789	LBPSP-MFU 22x3/4	LIGHTNING S/S PRESS Union with Male and Female Coupling 22mm x 3/4" V 316L WATER	10
5123790	LBPSP-MFU 22x1	LIGHTNING S/S PRESS Union with Male and Female Coupling 22mm x 1" V 316L WATER	10
5123791	LBPSP-MFU 28x1	LIGHTNING S/S PRESS Union with Male and Female Coupling 28mm x 1" V 316L WATER	10
5123792	LBPSP-MFU 35x1 1/4	LIGHTNING S/S PRESS Union with Male and Female Coupling 35mm x 1 1/4" V 316L WATER	10
5123793	LBPSP-MFU 42x1 1/2	LIGHTNING S/S PRESS Union with Male and Female Coupling 42mm x 1 1/2" V 316L WATER	5
5123794	LBPSP-MFU 54x2	LIGHTNING S/S PRESS Union with Male and Female Coupling 54mm x 2" V 316L WATER	2
5123632	LBPSP-T168x168x168	LIGHTNING S/S PRESS 168MM Equal Tee M 316L WATER	1

Stainless Steel Press Tee w/ Male Threaded Centre

Code	Supplier Code	Description	Bag Qty
5123655	LBPSP-T15x1/2M	LIGHTNING S/S PRESS Tee with Male Threaded Centre 15mm x 1/2" x 15mm V 316L WATER	10
5123656	LBPSP-T22x3/4M	LIGHTNING S/S PRESS Tee with Male Threaded Centre 22mm x 3/4" x 22mm V 316L WATER	10
5123657	LBPSP-T28x1M	LIGHTNING S/S PRESS Tee with Male Threaded Centre 28mm x 1" 28mm 316L WATER	10
5123658	LBPSP-T35x1 1/4M	LIGHTNING S/S PRESS Tee with Male Threaded Centre 35mm x 1-1/4 35mm V "316L WATER	10
5123659	LBPSP-T42x1 1/2M	LIGHTNING S/S PRESS Tee with Male Threaded Centre 42mm x 1-1/2" x 42mm V 316L WATER	5
5123660	LBPSP-T54x2M	LIGHTNING S/S PRESS Tee with Male Threaded Centre 54mm x 2" x 54mm V 316L WATER	2



STAINLESS STEEL RANGE

Stainless Steel Press Lugged Elbow



Code	Supplier Code	Description	Bag Qty
5123800	LBPSP-L15x1/2F Z	LIGHTNING S/S PRESS Lugged Elbow 15BP 15mm x 1/2" V 316L WATER	10
5123788	LBPSP-L22x1/2F Z	LIGHTNING S/S PRESS Lugged Elbow 15BP 22mm x 1/2" V 316L WATER	10

Stainless Steel Press Reducing Tee

Code	Supplier Code	Description	Bag Qty
5123638	LBPSP-T22x(15) x22	LIGHTNING S/S PRESS Reducing Tee 22*(15)*22 V 316L WATER	10
5123639	LBPSP-T28x(15) x28	LIGHTNING S/S PRESS Reducing Tee T28*(15)*28 V 316L WATER	10
5123640	LBPSP-T28x(22) x28	LIGHTNING S/S PRESS Reducing Tee T28*(22)*28 V 316L WATER	10
5123641	LBPSP-T35x(15) x35	LIGHTNING S/S PRESS Reducing Tee T35*(15)*35 V 316L WATER	10
5123642	LBPSP-T35x(22) x35	LIGHTNING S/S PRESS Reducing Tee T35*(22)*35 V 316L WATER	10
5123643	LBPSP-T35x(28) x35	LIGHTNING S/S PRESS Reducing Tee T35*(28)*35 V 316L WATER	10
5123644	LBPSP-T42x(35) x42	LIGHTNING S/S PRESS Reducing Tee TeeT42*(35)*42 V 316L WATER	5
5123645	LBPSP-T54x(42) x54	LIGHTNING S/S PRESS Reducing Tee T54*(42)*54 V 316L WATER	2
5123646	LBPSP-T76x(54) x76	LIGHTNING S/S PRESS Reducing Tee T76*(54)*76 M/V 316L WATER	1
5123647	LBPSP-T108x(54) x108	LIGHTNING S/S PRESS Reducing Tee T108*(54)*108 M/V 316L WATER	1
5123648	LBPSP-T108x(76) x108	LIGHTNING S/S PRESS Reducing Tee T108*(76)*108 M 316L WATER	1
5123649	LBPSP-T168x(108) x168	LIGHTNING S/S PRESS Reducing Tee T168*(108)*168 M 316L WATER	1





25-YEAR WARRANTY CERTIFICATE

This product is backed by a 25-year warranty against manufacturing defects. The warranty period begins on the date of sale and concludes on the corresponding anniversary. Any product found to be defective due to manufacturing faults will be repaired or replaced at no cost.

WARRANTY CONDITIONS

To ensure the validity of this warranty, the following conditions must be met:

- Installation must be performed by a licensed plumber.
- Product failure must be due to a manufacturing defect, and installation must comply with the provided instructions.
- Installation must adhere to all relevant local and national plumbing codes and applicable Australian Standards (AS/NZS 3500, AS/NZS 2492, AS/NZS 2537).
- The system must not be operated beyond the temperature and pressure ratings specified in the product documentation.
- This warranty excludes damage caused by:
 - Normal wear and tear
 - Mechanical overload
 - Paint, adhesives, or abrasion
 - Corrosion, high chlorine levels, chemicals, or harsh detergents
 - Electrochemical reactions
- No liability is accepted for indirect or consequential losses, including loss of profits, revenue, use, contracts, or production.
- The product must not be damaged during or after installation due to grouting, concrete stress cracks, or other external forces.

CLAIM PROCEDURE

To make a warranty claim, please follow these steps:

- Notify the Plumbing Merchant ("Merchant") where the product was purchased as soon as a potential issue is identified.
- Provide proof of purchase. If unavailable, the warranty period will default to the product's date of manufacture.
- An authorised representative must inspect the product within 30 days of the reported failure.
- Submit a completed Warranty Claim Form to the Merchant.
- If returning a product:
 - Include a section of pipe with visible markings
 - For fittings, return them with the pipe still attached and markings visible.
- The Merchant will arrange and cover the cost of returning goods to the manufacturer if required.
- The Merchant may appoint an independent agent to assess the product before approving a claim.
- Repairs may only proceed once a pre-approved amount is confirmed in writing by the Merchant.
- Any unauthorised repairs or replacements will not be covered under this warranty.

AUSTRALIAN CONSUMER LAW

Our goods come with guarantees that cannot be excluded under the **Australian Consumer Law (ACL)**. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if they fail to be of acceptable quality and the failure does not amount to a major failure.



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.