

Plumbing Catalog



CATEGORY I -- PIPES

| | |
|------------------------|----|
| Multilayer Pipe Series | 12 |
| PP-R Pipe Series | 17 |
| PE-RT Pipe Series | 21 |
| PE-X Pipe Series | 23 |

CATEGORY II -- FITTINGS

| | |
|-----------------------------------|----|
| Press Fittings(U&TH&RFZ&MULTIJAW) | 26 |
| Press Fittings(Without O-Rings) | 34 |
| Compression Fittings | 36 |
| Thread Fittings | 41 |
| PP-R Fittings | 46 |
| PE-X Fittings | 55 |
| Sliding Fittings | 61 |
| PPSU Fittings | 65 |

CATEGORY III -- VALVES & MANIFOLDS

| | |
|-------------------------|----|
| Water Ball Valve Series | 70 |
| Gas Ball Valve Series | 80 |
| Manifolds | 88 |

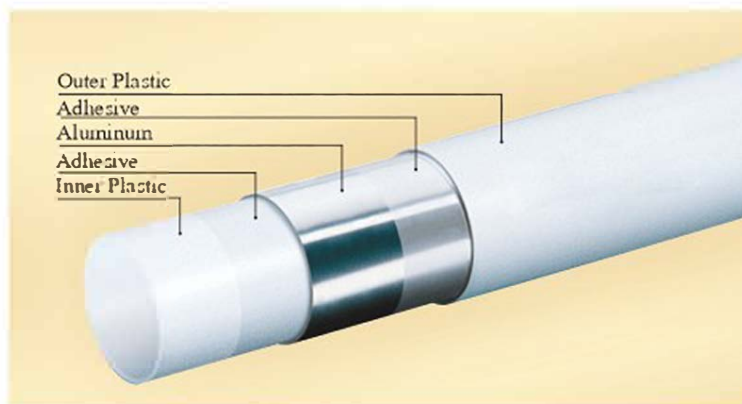
CATEGORY IV -- TOOLS

96

CATEGORY V--STAINLESS PIPE SYSTEM

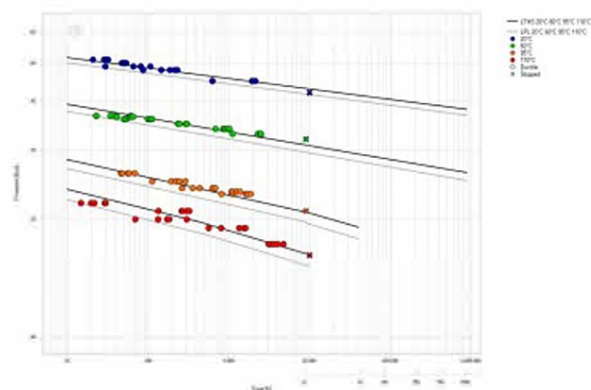
| | |
|---|-----|
| Stainless Steel Pipe & Fitting (BS EN 10312:2002) | 102 |
| Stainless Steel Fitting [v-type] (BS EN 10312:2002) | 104 |
| Stainless Steel Fitting [M-type] (BS EN 10312:2002) | 110 |
| The Tool And The Accessories For The Press Fitting | 115 |

ALUMINUM PLASTIC MULTILAYER PIPE SERIES



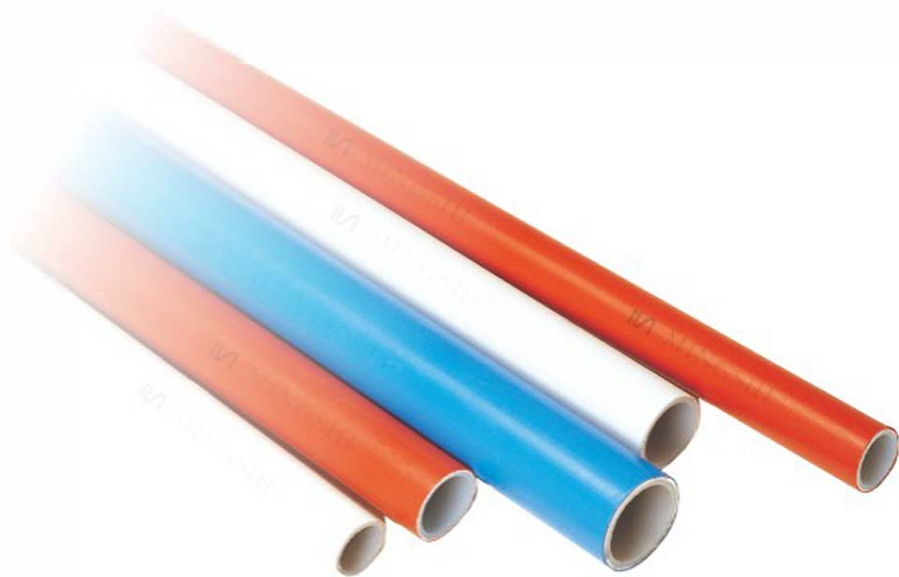
Product Performance

- **Temperature and Pressure Resistance:** max. up to 95°C, 1-1.25Mpa.
- **High Mechanical Strength:** not easy to be damaged or cracked.
- **Corrosion Resistance:** resistant to acid, alkaline and salt solutions.
- **Cleanness and Health:** no harmful substances, mould-proof, non-rusting and non-scaling.
- **Light Weight:** arbitrary length with convenient installation.
- **Flexibility and Non-Rebound:** can be bent without being heated, reduced the use of fittings.
- **Heat Preservation:** 1/100 heat conductivity of metal pipe, excellent heat preservation and outstanding energy conservation.
- **Anti-Vibration and Impact Resistance:** the composite material can effectively reduce and absorb the pipe vibration so as to lower the noise.
- **Long Service Life:** high creep strength and long service life.



Main Applications

- Water supply pipes and drinking water pipes in buildings;
- Hot water supply pipes in buildings;
- Radiant floor and wall heating, and solar water heater pipes;
- Gas delivery pipes of LPG, LNG etc;
- Cold water delivery pipes for air-conditioners;
- Compressed air pipes under medium pressure;
- Special fluid delivery pipes for chemical engineering, petrochemical industry and food industry;
- Communication, telecommunication, computer, information transfer, power transmission & electrical shielding pipes and electrical insulation pipes;
- Water and gas supply pipes for ships.



MULTILAYER PIPE SERIES

| Product | Model No. | Spec. | Type |
|-----------------|------------|-----------------------|----------------------------|
| PE-AL-PEX | | dn10*en2.0 | Hot Water Pipe Overlapped |
| | | dn18*en2.0 | |
| | | dn20*en2.0 | |
| | | dn25*en2.5/dn20*en3.0 | |
| | | dn32*en3.0 | |
| | | dn40*en4.0 | |
| | | dn50*en4.5 | |
| | dn63*en6.0 | | |
| PEX-AL-PEX | | dn10*en2.0 | |
| | | dn18*en2.0 | |
| | | dn20*en2.0 | |
| | | dn25*en2.5/dn20*en3.0 | |
| | | dn32*en3.0 | |
| | | dn40*en4.0 | |
| | | dn50*en4.5 | |
| | | dn63*en6.0 | |
| | | dn12*en1.5 | |
| | | dn15*en2.0 | |
| | dn22*en2.5 | | |
| | dn28*en3.0 | | |
| PE-AL-PEX | | dn10*en2.0 | Hot Water Pipe Butt Welded |
| | | dn18*en2.0 | |
| | | dn20*en2.0 | |
| | | dn25*en2.5/dn20*en3.0 | |
| | | dn32*en3.0 | |
| | | dn40*en4.0 | |
| | | dn50*en4.5 | |
| | dn63*en6.0 | | |
| PEX-AL-PEX | | dn10*en2.0 | |
| | | dn18*en2.0 | |
| | | dn20*en2.0 | |
| | | dn25*en2.5/dn20*en3.0 | |
| | | dn32*en3.0 | |
| | | dn40*en4.0 | |
| | | dn50*en4.5 | |
| | | dn63*en6.0 | |
| | | dn15*en2.0 | |
| | | dn22*en2.5 | |
| | dn28*en3.0 | | |
| CORRUGATED PIPE | | dn10 | CORRUGATED PIPE |
| | | dn20 | |
| | | dn25 | |
| | | dn32 | |



MULTILAYER PIPE SERIES

| Product | Model No. | Spec. | Type |
|---------------------|-----------------------|-----------------------|-----------------------------------|
| PE-AL-PE | | dn16*en2.0 | Cold Water Pipe Overlapped |
| | | dn18*en2.0 | |
| | | dn20*en2.0 | |
| | | dn25*en2.5/dn20*en3.0 | |
| | | dn32*en3.0 | |
| | | dn40*en4.0 | Cold Water Pipe Butt Welded |
| | | dn50*en4.5 | |
| | | dn63*en6.0 | |
| | | dn16*en2.0 | |
| | | dn18*en2.0 | |
| | dn20*en2.0 | | |
| | dn25*en2.5/dn20*en3.0 | | |
| | dn32*en3.0 | | |
| | dn40*en4.0 | | |
| | dn50*en4.5 | | |
| | dn63*en6.0 | | |
| PE-AL-PE | | dn16*en2.0 | Gas Pipe Overlapped & Butt-welded |
| | | dn18*en2.0 | |
| | | dn20*en2.0 | |
| | | dn25*en2.5/dn20*en3.0 | |
| | | dn32*en3.0 | |
| | | dn40*en4.0 | |
| PERT-AL-PERT (I,II) | | dn12*en1.5 | Hot Water Pipe Overlapped |
| | | dn16*en2.0 | |
| | | dn18*en2.0 | |
| | | dn20*en2.0 | |
| | | dn25*en2.5/dn20*en3.0 | |
| | | dn32*en3.0 | |
| | | dn40*en4.0 | |
| PERT-AL-PERT (I,II) | | dn16*en2.0 | Hot Water Pipe Butt Welded |
| | | dn18*en2.0 | |
| | | dn20*en2.0 | |
| | | dn25*en2.5/dn20*en3.0 | |
| | | dn32*en3.0 | |
| | | dn40*en4.0 | |
| | | dn50*en4.5 | |
| INSULATED PIPE | | dn16 | |
| | | dn20 | |
| | | dn25 | |
| | | dn32 | |

PP-R PIPE SERIES



PP-R pipe, formerly called random copolymerized polypropylene pipe, is the most reliable in plumbing and water supply plants, due to its chemical features and fusion welding, which ensures the plumbing to have a perfect seal tight system.

Featured by excellent cleanness, cost effectiveness, applicability and advantage in safety, it is considered as the optimal pipe material for cold and hot water systems.



PP-R PIPE SERIES

PP-R Pipe Features

PP-R pipe possess the features of ordinary pipes, including light weight, corrosion resistance and non-scaling. Moreover, it also has the following features:


- Non-toxicity and health.
- Heat preservation and energy conservation.
- Great heat resistance.
- Long service life.
- Convenient installation and reliable connection.
- The material can be recycled.

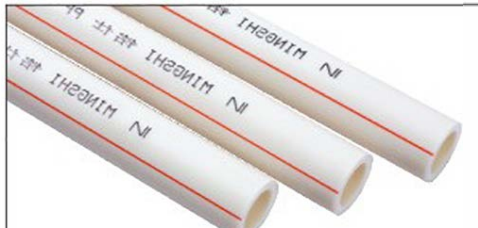


Applications

- Cold & hot water systems in buildings, including central heating system;
- Heating systems in buildings, including under floor, wall panel and radiation heating systems;
- Drinking water supply purifying system;
- Central (integrated) air-conditioning system;
- Industrial pipeline systems used for delivering or discharging chemical substances.

| Product | Model No. | Spec. |
|--|-----------|----------|
|  <p>PP-R 1.25MPa S5</p> | | dn25*2.3 |
| | | dn32*2.9 |
| | | dn40*3.7 |
| | | dn50*4.6 |
| | | dn63*5.8 |
| | | dn75*6.8 |
| | | dn90*8.2 |
| | | dn110*10 |

| | | |
|--|------------|-----------|
|  <p>PP-R 1.60MPa S4</p> | | dn20*2.3 |
| | | dn25*2.8 |
| | | dn32*3.0 |
| | | dn40*4.5 |
| | | dn50*5.0 |
| | | dn63*7.1 |
| | | dn75*8.4 |
| | | dn90*10.1 |
| | dn110*12.3 | |

| | | |
|--|------------|-----------|
|  <p>PP-R 2.0MPa S3.2</p> | | dn20*2.8 |
| | | dn25*3.5 |
| | | dn32*4.4 |
| | | dn40*5.5 |
| | | dn50*6.9 |
| | | dn63*8.0 |
| | | dn75*10.3 |
| | | dn90*12.3 |
| | dn110*15.1 | |

| | | |
|---|--|-----------|
|  <p>PP-R 2.5MPa S2.5</p> | | dn20*3.4 |
| | | dn25*4.2 |
| | | dn32*5.4 |
| | | dn40*6.7 |
| | | dn50*8.3 |
| | | dn63*10.5 |

PP-R PIPE SERIES

| Product | Model No. | Spec. |
|---|-----------|----------|
|  <p>PPR-AL-PPR 1.6Mpa S4</p> | | D20*2.3 |
| | | D25*2.8 |
| | | D32*3.6 |
| | | D40*4.5 |
| | | D50*5.6 |
| | | D63*7.1 |
|  <p>PPR-AL-PPR 2.0Mpa S3.2</p> | | D20*2.8 |
| | | D25*3.5 |
| | | D32*4.4 |
| | | D40*5.5 |
| | | D50*6.9 |
| | | D63*8.6 |
|  <p>PPR-AL-PPR 2.5Mpa S2.5</p> | | D20*3.4 |
| | | D25*4.2 |
| | | D32*5.4 |
| | | D40*6.7 |
| | | D50*8.3 |
| | | D63*10.5 |
|  <p>PPR-AL-PERT Overlapped 1.0 Mpa</p> | | D20*3.0 |
| | | D25*3.25 |
| | | D32*4.0 |

PE-RT PIPE SERIES




PE-RT pipe is made through the copolymerization of ethylene monomer and 1-octylene monomer, is the medium-density ethylene-octylene copolymer designed for the radiant floor heating system, with PE features like sanitation performance and processing performance.

PE-RT Pipe Features

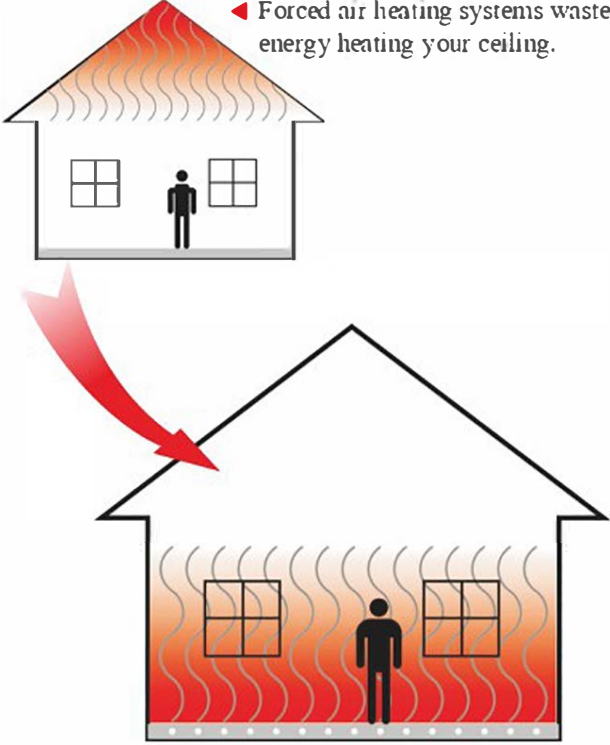
- Excellent stability and long service life;
- Good impact resistance and high safety;
- With outstanding flexibility, the product can be easily bended and carried out the construction;
- Favorable heat conductivity;
- Repairable fusion welding connection, simple installation and convenient maintenance;
- Low installation & maintenance cost, high cost performance.



PE-RT PIPE SERIES

| Product | Model No. | Spec. |
|--|-----------|--------|
|  PE-RT | | 10x2.0 |
| | | 15x2.0 |
| | | 20x2.0 |
| | | 25x2.5 |
| | | 32x3.0 |
| | | |

| | | |
|--|--|--------|
|  PERT-EVOH | | 10x2.0 |
| | | 15x2.0 |
| | | 20x2.0 |
| | | 25x2.5 |
| | | 32x3.0 |
| | | |



◀ Forced air heating systems waste energy heating your ceiling.

▲ MSP radiant heating system brings the warmth down to earth.

Radiant heating is the clear choice for customers demanding the most comfortable, efficient heating system on the market today. Radiant heating requires very little maintenance, is easily zoned and has proven itself time and time again as a viable alternative to forced-air heating systems. Radiant heating brings the warmth down to earth, where it is most effective.

The MSP heating system works with hot water circulating through pipes in the floor or walls. The energy is transferred to, and absorbed by other objects in the room. The heat transfer causes the temperature of an object to rise-increasing the temperature of the surrounding air.

PE-X PIPE SERIES



PE-X pipe is made from the polyethylene material, adopting the cross-linking technique to form the covalent bond between polyethylene molecular chains. It has excellent heat resistance and outstanding mechanical and physical performance.



PE-X Pipe Features

- Outstanding quality, strong toughness and high internal pressure strength.
- With excellent corrosion resistance and environmental stress crack resistance, the product can deliver chemical fluids under high-temperature conditions.
- As the inner wall surface tension of the pipe is low, the water with high surface tension is difficult to soak into the inner wall, which can effectively avoid scaling.
- Due to smooth inner wall of the pipe, small fluid flow resistance, excellent hydraulic performance, the product has the larger fluid flow than the metal pipe.
- With flexibility and memory model, the product shape can be restored after being heated.
- With light weight and convenient installation, the product is easy to be delivered and carried out the construction.
- Under the normal conditions, the service life can be over 50 years.

| | | |
|--------------|--|------------|
| <p>PEX-B</p> | | dn16°en2.0 |
| | | dn18°en2.0 |
| | | dn20°en2.0 |
| | | dn25°en2.5 |
| | | dn32°en3.0 |

| | | |
|--------------|--|------------|
| <p>PEX-B</p> | | dn16°en2.2 |
| | | dn20°en2.8 |
| | | dn25°en3.5 |
| | | dn32°en4.4 |
| | | |

PE-X PIPE SERIES

| Product | Model No. | Spec. |
|--------------|-----------|------------|
| <p>PEX-B</p> | | dn16°en1.8 |
| | | dn20°en1.9 |
| | | dn25°en2.3 |
| | | dn32°en2.9 |
| | | |

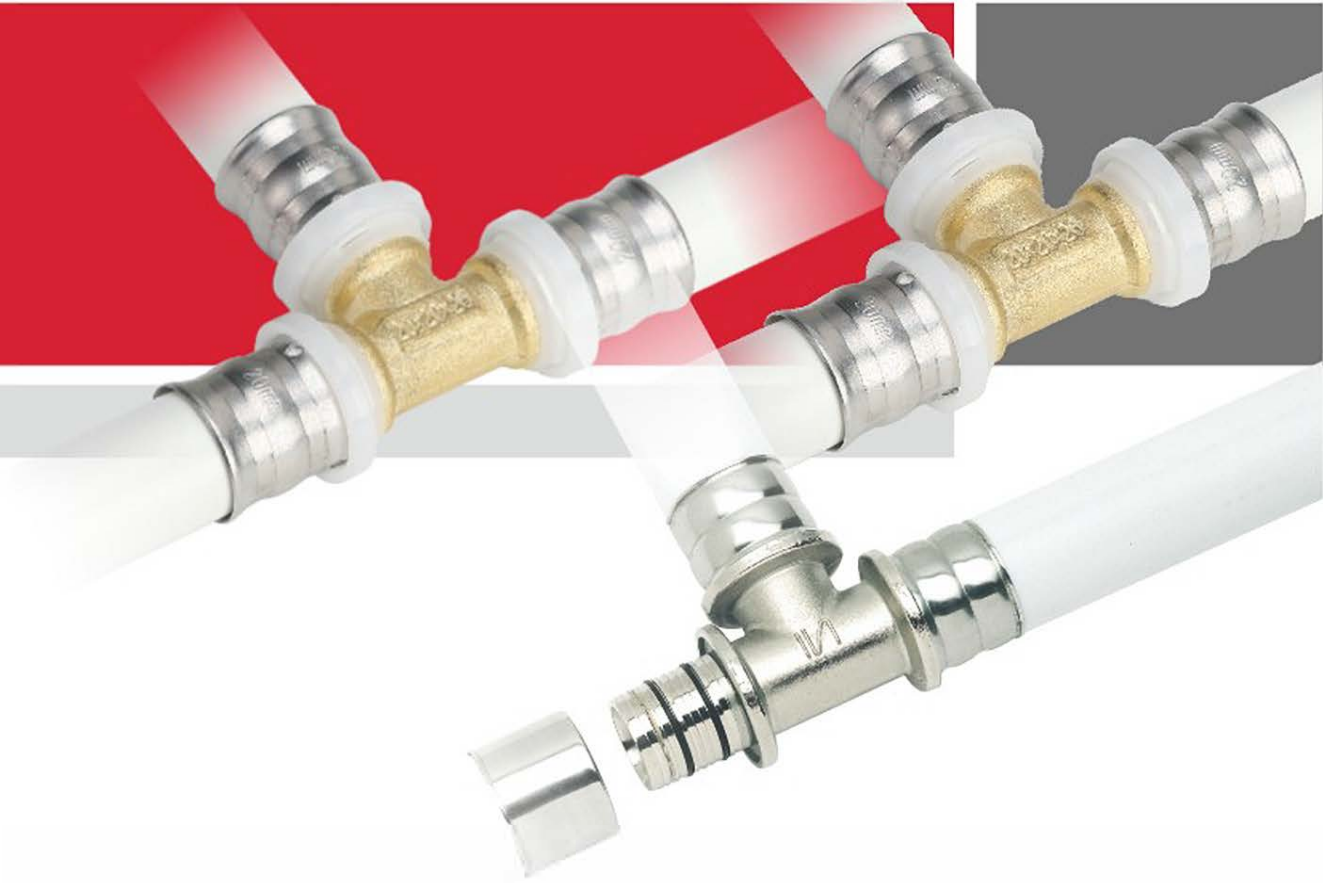
| | | |
|------------------------|--|------------|
| <p>PEX-B WITH EVOH</p> | | dn16°en2.0 |
| | | dn18°en2.0 |
| | | dn20°en2.0 |
| | | dn25°en2.5 |
| | | dn32°en3.0 |

| | | |
|--------------|--|------------|
| <p>PEX-A</p> | | dn16°en1.8 |
| | | dn20°en1.9 |
| | | dn25°en2.3 |
| | | dn32°en2.9 |
| | | |

| | | |
|---------------------|--|------------|
| <p>PEX-A (EVOH)</p> | | dn16°en2.0 |
| | | dn20°en2.0 |
| | | dn25°en2.5 |
| | | dn32°en3.0 |
| | | |

| | | |
|---------------------|--|------------|
| <p>PEX-A (EVOH)</p> | | dn16°en2.2 |
| | | dn20°en2.8 |
| | | dn25°en3.5 |
| | | dn32°en4.4 |
| | | |

PRESS FITTINGS (U&TH&RFZ&MULTIJAW)



- The products are suitable for connecting parts of fluid pipes. The operating temperature is -20℃ to 110℃ and the operating pressure is $\leq 2.5\text{MPa}$.
- **Operating Mediums:** Water, unatuated vapor, compressed air, oil & grease, weak acid, weak alkali and appropriate refrigerants, which should have weak corrosively for brass.
- **Applicable Pipes:** Aluminum plastic composite pipes, PE-X pipes, PE-RT pipes, PB pipes, Steel plastic composite pipes, etc.
- The standard socket size is suitable for the aluminum plastic composite pipe. If use for other type of pipes, the socket size should match with the pipe wall thickness and the seal ring material should be replaced so that it can be compatible with the medium.

PRESS FITTINGS(U&TH TYPE)

| Product | Model No. | Spec. |
|--|-----------|--------|
|  <p>Straight</p> | S10 | S10 |
| | S18 | S18 |
| | S20 | S20 |
| | S25 | S25 |
| | S32 | S32 |
| | S40 | S40 |
| | S50 | S50 |
| | So3 | So3 |
|  <p>Reduced Straight</p> | S18*10 | S18*10 |
| | S20*10 | S20*10 |
| | S20*18 | S20*18 |
| | S25*10 | S25*10 |
| | S25*18 | S25*18 |
| | S25*20 | S25*20 |
| | S32*10 | S32*10 |
| | S32*20 | S32*20 |
| | S32*25 | S32*25 |
| | S40*10 | S40*10 |
| | S40*18 | S40*18 |
| | S40*20 | S40*20 |
| | S40*25 | S40*25 |
| | S40*32 | S40*32 |
| | S50*20 | S50*20 |
| | S50*25 | S50*25 |
| | S50*32 | S50*32 |
| | S50*40 | S50*40 |
| So3*25 | So3*25 | |
| So3*32 | So3*32 | |
| So3*40 | So3*40 | |
| So3*50 | So3*50 | |
|  <p>Elbow</p> | L10 | L10 |
| | L18 | L18 |
| | L20 | L20 |
| | L25 | L25 |
| | L32 | L32 |
| | L40 | L40 |
| | L50 | L50 |
| | Lo3 | Lo3 |

PRESS FITTINGS(U&TH TYPE)

| Product | Model No. | Spec. |
|---|-------------|-------------|
|  | | S10*1/2"M |
| | | S10*3/4"M |
| | | S18*1/2"M |
| | | S18*3/4"M |
| | | S20*1/2"M |
| | | S20*3/4"M |
| | | S20*1"M |
| | | S25*1/2"M |
| | | S25*3/4"M |
| | | S25*1"M |
| | | S32*1/2"M |
| | | S32*3/4"M |
| | | S32*1"M |
| | | S32*1 1/4"M |
| | | S32*1 1/2"M |
| | | S40*1 1/2"M |
| | | S40*1 1/4"M |
| | | S40*2"M |
| | | S50*1 1/4"M |
| | | S50*1 1/2"M |
| | S50*2"M | |
| | So3*1"M | |
| | So3*1 1/2"M | |
| | So3*2"M | |
| | So3*2 1/2"M | |

Male Straight

| | | |
|---|--|--------------|
|  | | T10*1/2"M*10 |
| | | T10*3/4"M*10 |
| | | T20*1/2"M*20 |
| | | T20*3/4"M*20 |
| | | |
| | | |

Male Tee

PRESS FITTINGS(U&TH TYPE)

| Product | Model No. | Spec. |
|---|-----------|-------------|
|  | | S10*1/2"F |
| | | S10*3/4"F |
| | | S10*1"F |
| | | S18*1/2"F |
| | | S18*3/4"F |
| | | S20*1/2"F |
| | | S20*3/4"F |
| | | S20*1"F |
| | | S25*1/2"F |
| | | S25*3/4"F |
| | | S25*1"F |
| | | S32*1/2"F |
| | | S32*3/4"F |
| | | S32*1"F |
| | | S32*1 1/4"F |
| | | S32*3/2"F |
| | | S40*1 1/2"F |
| | | S50*1 1/2"F |
| | | S50*2"F |
| | | So3*2"F |

Female Straight


| | | |
|---|--------|--------|
|  | | L18*10 |
| | | L20*10 |
| | | L20*1S |
| | | L25*10 |
| | | L25*1S |
| | | L25*20 |
| | | L32*10 |
| | | L32*1S |
| | | L32*20 |
| | | L32*25 |
| | | L40*20 |
| | | L40*25 |
| | | L40*32 |
| | | L50*25 |
| | | L50*32 |
| | | L50*40 |
| | Lo3*32 | |
| | Lo3*40 | |
| | Lo3*50 | |

Reduced Elbow

PRESS FITTINGS(U&TH TYPE)

| Product | Model No. | Spec. |
|--|-----------|-----------|
|  Male Elbow | | L16*1/2"M |
| | | L16*3/4"M |
| | | L18*1/2"M |
| | | L18*3/4"M |
| | | L20*1/2"M |
| | | L20*3/4"M |
| | | L20*1"M |
| | | L25*1/2"M |
| | | L25*3/4"M |
| | | L25*1"M |
| | | L32*1/2"M |
| | | L32*3/4"M |
| | L32*1"M | |


| | | |
|---|---------|-----------|
|  Female Elbow | | L16*1/2"F |
| | | L16*3/4"F |
| | | L18*1/2"F |
| | | L18*3/4"F |
| | | L20*1/2"F |
| | | L20*3/4"F |
| | | L20*1"F |
| | | L25*1/2"F |
| | | L25*3/4"F |
| | | L25*1"F |
| | | L32*1/2"F |
| | | L32*3/4"F |
| | L32*1"F | |


| | | |
|--|--|---------------------|
|  Wall Plated Extended Elbow | | L16*1/2" F(A)*50MM |
| | | L20*1/2" F(A)*50MM |
|  Wall Plated Elbow | | L16*1/2" F(A)*180MM |
| | | L20*1/2" F(A)*180MM |
| | | L16*3/4" F(A)*180MM |
| | | L20*3/4" F(A)*180MM |
| | | L25*3/4" F(A)*180MM |
| | | L32*1" F(A)*180MM |

| | | |
|---|--|---------------|
|  Wall Plated Elbow | | L16*1/2" F(A) |
| | | L16*3/4" F(A) |
| | | L18*1/2" F(A) |
| | | L20*1/2" F(A) |
| | | L20*3/4" F(A) |

PRESS FITTINGS(U&TH TYPE)

| Product | Model No. | Spec. |
|---|-----------|-----------------|
|  Shower Brackets With Elbows | | L16*1/2F(a)-100 |
| | | L16*1/2F(a)-150 |
| | | |
| | | |
| | | |
| | | |

| | | |
|---|--|-------|
|  Tee | | T1216 |
| | | T1418 |
| | | T1620 |
| | | T2025 |
| | | T2632 |
| | | T3240 |
| | | T4150 |
| | | T5163 |

| | | |
|--|---------------|---------------|
|  Female Tee | | T16*1/2"F*16 |
| | | T16*3/4"F*16 |
| | | T18*1/2"F*18 |
| | | T18*3/4"18 |
| | | T20*1/2"F*20 |
| | | T20*3/4"F*20 |
| | | T20*1"F*20 |
| | | T25*1/2"F*25 |
| | | T25*3/4"F*25 |
| | | T25*1"F*25 |
| | | T32*1/2"F*32 |
| | | T32*3/4"F*32 |
| | | T32*1"F*32 |
| | | T20*1/2"F*16 |
| | | T40*3/4F*40 |
| | | T40*1"F*40 |
| | | T40*11/4"F*40 |
| | | T40*11/2"F*40 |
| | | T50*3/4"F*50 |
| | | T50*1"F*50 |
| | T50*11/4"F*50 | |
| | T50*11/2"F*50 | |
| | T50*2"F*50 | |
| | T63*1"F*63 | |
| | T63*11/4"F*63 | |
| | T63*11/2"F*63 | |
| | T63*2"F*63 | |

PRESS FITTINGS(U&TH TYPE)

| Product | Model No. | Spec. |
|--|-----------|-----------|
|  | | T16*18*16 |
| | | T16*20*16 |
| | | T16*25*16 |
| | | T18*16*18 |
| | | T18*20*18 |
| | | T18*25*18 |
| | | T20*16*20 |
| | | T20*18*20 |
| | | T20*25*20 |
| | | T25*16*25 |
| | | T25*18*25 |
| | | T25*20*25 |
| | | T25*32*25 |
| | | T32*16*32 |
| | | T32*18*32 |
| | | T32*20*32 |
| | | T32*25*32 |
| | | T25*16*20 |
| | | T32*20*25 |
| | | T20*16*16 |
| | | T20*20*16 |
| | | T25*25*18 |
| | | T25*25*20 |
| | | T25*18*18 |
| | | T25*20*20 |
| | | T25*16*20 |
| | | T32*20*25 |
| | | T40*16*40 |
| | | T40*20*40 |
| | | T40*25*40 |
| | | T40*32*40 |
| | | T50*20*50 |
| | T50*25*50 | |
| | T50*32*50 | |
| | T50*40*50 | |
| | T63*25*63 | |
| | T63*32*63 | |
| | T63*40*63 | |
| | T63*50*63 | |

Reduced Tee

PRESS FITTINGS(U&TH TYPE)

| Product | Model No. | Spec. |
|---|-----------|--------------|
|  | | H16*1/2 |
| | | H18*1/2 |
| | | H20*1/2 |
| | | H20*3/4 |
| | | H20*1 |
| | | H25*1/2 |
| | | H25*3/4 |
| | H25*1 | |
|  | | H16*1/2"F |
| | | H20*1/2"F |
| | | H20*3/4"F |
| | | H25*3/4"F |
| | | H32*1"F |
|  | | P16 |
| | | P18 |
| | | P20 |
| | | P25 |
| | | P32 |
|  | | S16x1/2CuP |
| | | S20x3/4CuP |
| | | S25x1CuP |
|  | | S16x1/2CuC |
| | | S16x3/4CuC |
| | | S20x3/4CuC |
| | | S20x3/4CuC |
| | | S20x1CuC |
| | S32x1CuC | |
|  | | L10x15Cu-300 |
| | | |
| | | |
| | | |

Elbow With Copper Pipe

PRESS FITTINGS(WITHOUT O-RING)



- The products are suitable for connecting parts of fluid pipes. The operating temperature is -20°C to 110°C and the operating pressure is ≤ 2.5 MPa.
- **Operating Mediums:** Water, unsaturated vapor, compressed air, oil & grease, weak acid, weak alkali and appropriate refrigerants, which should have weak corrosivity for brass.
- **Applicable Pipes:** Aluminum plastic composite pipes, PE-X pipes, PE-RT pipes, PB pipes, Steel plastic composite pipes, etc.
- The standard socket size is suitable for the aluminum plastic composite pipe. If use for other type of pipes, the socket size should match with the pipe wall thickness and the seal ring material should be replaced so that it can be compatible with the medium.

PRESS FITTINGS(WITHOUT O-RING)

| Product | Model No. | Spec. |
|--|-----------|-----------------|
| Female Swivel Nut  | | 16x1.8-1/2" |
| | | 32x2.9-1" |
| Female Swivel Nut  | | 25x2.3 - 16x1.8 |
| | | 32x2.9 - 25x2.3 |
| Coupling Threaded Male  | | 32-1" |
| | | |
| Tee Threaded Female  | | 16-1/2"-16 |
| | | 20-1/2"-20 |
| | | 25-3/4"-25 |
| Backplate Elbow  | | 16x1.8-1/2" |
| | | |
| Equal Tee  | | 32x2.9 |
| | | |
| Straight Coupling  | | 32x2.9 |
| | | |
| Reduced Tee  | | 20-16-16 |
| | | 25-16-25 |
| | | 25-32-25 |
| 90° Elbow Equal  | | 20x1.9 |
| | | 32x2.9 |

COMPRESSION FITTINGS



- The products are suitable for connecting parts of fluid ducts. The operating temperature is -20°C to 110°C and the operating pressure is ≤ 2.5 MPa.
- **Operating Mediums:** Water, unsaturated vapor, compressed air, oil & grease, weak acid, weak alkali and appropriate refrigerants, which should have weak corrosivity for brass.
- **Applicable Pipes:** Aluminum plastic composite pipes, PE-X pipes, PE-RT pipes, PB pipes, etc.
- The standard socket size is suitable for the aluminum plastic composite pipe. If use for other type of pipes, the socket size should match with the pipe wall thickness and the seal ring material should be replaced so that it can be compatible with the medium.



COMPRESSION FITTINGS

| Product | Model No. | Spec. |
|--|---------------|---------------|
|  <p>Equal Straight</p> | S10 | S10 |
| | S18 | S18 |
| | S20 | S20 |
| | S25(20) | S25(20) |
| | S32 | S32 |
|  <p>Reduced Straight</p> | S18*10 | S18*10 |
| | S20*10 | S20*10 |
| | S20*18 | S20*18 |
| | S25(20)*10 | S25(20)*10 |
| | S25(20)*18 | S25(20)*18 |
| | S25(20)*20 | S25(20)*20 |
| | S32*10 | S32*10 |
| | S32*18 | S32*18 |
| S32*20 | S32*20 | |
| S32*25(20) | S32*25(20) | |
|  <p>Male Straight</p> | S10*1/2"M | S10*1/2"M |
| | S10*3/4"M | S10*3/4"M |
| | S18*1/2"M | S18*1/2"M |
| | S18*3/4"M | S18*3/4"M |
| | S20*1/2"M | S20*1/2"M |
| | S20*3/4"M | S20*3/4"M |
| | S20*1"M | S20*1"M |
| | S25(20)*1/2"M | S25(20)*1/2"M |
| | S25(20)*3/4"M | S25(20)*3/4"M |
| | S25(20)*1"M | S25(20)*1"M |
| | S32*1/2"M | S32*1/2"M |
| | S32*3/4"M | S32*3/4"M |
| | S32*1"M | S32*1"M |
| S32*1 1/4"M | S32*1 1/4"M | |
|  <p>Female Straight</p> | S10*1/2"F | S10*1/2"F |
| | S10*3/4"F | S10*3/4"F |
| | S18*1/2"F | S18*1/2"F |
| | S18*3/4"F | S18*3/4"F |
| | S20*1/2"F | S20*1/2"F |
| | S20*3/4"F | S20*3/4"F |
| | S20*1"F | S20*1"F |
| | S25(20)*1/2"F | S25(20)*1/2"F |
| S25(20)*3/4"F | S25(20)*3/4"F | |
| S25(20)*1"F | S25(20)*1"F | |
| S32*1"F | S32*1"F | |







COMPRESSION FITTINGS

| Product | Model No. | Spec. |
|--|-----------|---------------|
|  Elbow | | L10 |
| | | L18 |
| | | L20 |
| | | L25(20) |
| | | L32 |
|  Reduced Elbow | | L20*10 |
| | | L20*18 |
| | | L25(20)*10 |
| | | L25(20)*20 |
| | | L32*10 |
| | | L32*20 |
|  Male Elbow | | L10*1/2"M |
| | | L10*3/4"M |
| | | L18*1/2"M |
| | | L18*3/4"M |
| | | L20*1/2"M |
| | | L20*3/4"M |
| | | L25(20)*1/2"M |
| | | L25(20)*3/4"M |
| | | L25(20)*1"M |
| | L32*1"M | |
|  Female Elbow | | L10*1/2"F |
| | | L10*3/4"F |
| | | L18*1/2"F |
| | | L18*3/4"F |
| | | L20*1/2"F |
| | | L20*3/4"F |
| | | L25(20)*1/2"F |
| | | L25(20)*3/4"F |
| | | L25(20)*1"F |
| | | L32*1/2"F |
| | | L32*3/4"F |
| | | L32*1"F |
|  Wall Plated Elbow | | L10*1/2"F(A) |
| | | L18*1/2"F(A) |
| | | L20*1/2"F(A) |
| | | L20*3/4"F(A) |

COMPRESSION FITTINGS

| Product | Model No. | Spec. |
|--|-------------------|-------------------|
|  Wall Plated Angle Elbow | | L10*1/2F(A)*10 |
| | | L20*1/2F(A)*20 |
|  Tee | | T10 |
| | | T18 |
| | | T20 |
| | | T25(20) |
| | | T32 |
|  Cross | | X10 |
| | | X18 |
| | | X20 |
|  Unequal Tee | | T10*20*10 |
| | | T10*25(20)*10 |
| | | T20*10*20 |
| | | T20*18*20 |
| | | T20*25(20)*20 |
| | | T25(20)*10*25(20) |
| | | T25(20)*18*25(20) |
| | | T25(20)*20*25(20) |
| | | T25(20)*32*25(20) |
| | | T32*10*32 |
| | | T32*18*32 |
| | | T32*20*32 |
| | | T32*25(20)*32 |
| | | T20*10*10 |
| | | T20*20*10 |
| | T25(20)*20*20 | |
| | T25(20)*20*10 | |
| | T25(20)*25(20)*10 | |
| | T25(20)*25(20)*20 | |
| | T32*20*25(20) | |

COMPRESSION FITTINGS

| Product | Model No. | Spec. |
|---|------------|----------------------|
|  Male Tee | | T10*1/2"M*10 |
| | | T20*1/2"M*20 |
| | | T20*3/4"M*20 |
| | | T25(20)*3/4"M*25(20) |
| | | T25(20)*1"M*25(27) |
| | T32*1"M*32 | |
|  Female Tee | | T10*1/2"F*10 |
| | | T18*1/2"F*18 |
| | | T18*3/4"*18 |
| | | T20*1/2"F*20 |
| | | T20*3/4"F*20 |
| | | T25(20)*1/2"F*25(20) |
| | | T25(20)*3/4"F*25(20) |
| | | T25(20)*1"F*25(20) |
| | | T32*3/4"F*32 |
| | T32*1"F*32 | |
|  Cap | | D16 |
| | | D18 |
| | | D20 |
| | | D25(20) |
| | | D32 |
|  Union | | H16*1/2F |
| | | H16*3/4F |
| | | H20*1/2F |
| | | H20*3/4F |
| | | H25*3/4F |
| | H25*1F | |
|  Male And Female Straight For Air Conditioner | | S12*7/10UNF |
| | | S12*5/8UNF |
| | | S10*7/10UNF |
| | | S10*5/8UNF |
|  Compression Union | | HM20*10 |
| | | HM20*18 |
| | | HM20*20 |
| | | |

THREAD FITTINGS



- The products are suitable for connecting parts of fluid ducts. The operating temperature is -20°C to 110°C and the operating pressure is ≤ 2.5 MPa.
- **Operating Mediums:** Water, unsaturated vapor, compressed air, oil & grease, weak acid, weak alkali and appropriate refrigerants, which should have weak corrosivity for brass.
- **Applicable Pipes:** Aluminum plastic composite pipes, PE-X pipes, PE-RT pipes, PB pipes, etc.
- The standard socket size is suitable for the aluminum plastic composite pipe. If use for other type of pipes, the socket size should match with the pipe wall thickness and the sealing material should be replaced so that it can be compatible with the medium.



THREAD FITTINGS

| Product | Model No. | Spec. |
|---|------------|----------------|
|  <p>Female Tee</p> | | T1/2 |
| | | T3/4 |
| | | T1 |
| | | T1 1/4 |
| | | T1 1/2 |
| | | T2 |
| | | |
|  <p>Male and Female Straight</p> | | 1/2"10mm |
| | | 1/2"15mm |
| | | 1/2"20mm |
| | | 1/2"25mm |
| | | 1/2"30mm |
| | | 1/2"40mm |
| | | 1/2"50mm |
|  <p>Reduced Female Straight</p> | | S1/2F*3/8F |
| | | S3/4F*1/2F |
| | | S1F*1/2F |
| | | S1F*3/4F |
| | | S1 1/4F*1/2F |
| | | S1 1/4F*3/4F |
| | | S1F*1 1/4F |
| | | S1 1/2F*1F |
| | | S1 1/2F*1 1/4F |
| | | S2F*1F |
| | S2F*1 1/4F | |
| | S2F*1 1/2F | |
|  <p>Female Straight</p> | | S1/2F |
| | | S3/4F |
| | | S1F |
| | | S1 1/4F |
| | | S1 1/2F |
| | | S2F |
| | | |

THREAD FITTINGS

| Product | Model No. | Spec. |
|---|------------|----------------|
|  <p>Double Male Straight</p> | | S3/8M*1/4M |
| | | S1/2M*3/8M |
| | | S1/2M*1/4M |
| | | S1/2M*3/4M |
| | | S1/2M*1M |
| | | S3/4M*S1M |
| | | S1/2M*1 1/4M |
| | | S1/2M*1 1/2M |
| | | S3/4M*1 1/4M |
| | | S1M*1 1/4M |
| | | S1 1/2M*3/4M |
| | | S1M*S1 1/2M |
| | | S1 1/2M*1 1/4M |
| | | S2M*1/2M |
| | | S2M*3/4M |
| | S2M*1M | |
| | S2M*1 1/4M | |
| | S2M*1 1/2M | |
|  <p>Union</p> | | 1/2 |
| | | 3/4 |
| | | 1 |
| | | 1 1/4 |
| | | 1 1/2 |
| | | 2 |
|  <p>Bushing</p> | | S3/8M*1/4F |
| | | S1/2M*1/4F |
| | | S1/2M*3/8F |
| | | S3/4M*1/2F |
| | | S1M*1/2F |
| | | S1M*3/4F |
| | | S1 1/4M*1/2F |
| | | S1 1/4M*3/4F |
| | | S1 1/4M*1F |
| | | S1 1/2M*1/2F |
| | | S1 1/2M*3/4F |
| | | S1 1/2M*1F |
| | | S1 1/2M*1 1/4F |
| | | S2M*1/2F |
| | | S2M*3/4F |
| | S2M*1F | |
| | S2M*1 1/4F | |
| | S2M*1 1/2F | |

THREAD FITTINGS

| Product | Model No. | Spec. |
|---|-----------|--------------|
|  <p>Male Straight</p> | | S1/2M |
| | | S3/4M |
| | | S1M |
| | | S1 1/4M |
| | | S1 1/2M |
| | | S2M |
| | | |
|  <p>Male Cap</p> | | 1/2 |
| | | 3/4 |
| | | 1 |
| | | 1 1/4 |
| | | 1 1/2 |
| | | 2 |
| | | |
|  <p>Female Cap</p> | | 1/2F |
| | | 3/4 |
| | | 1F |
| | | 1 1/4F |
| | | 1 1/2F |
| | | 2F |
|  <p>Male and Female Straight</p> | | S3/8F*1/4M |
| | | S1/2F*1/4M |
| | | S1/2F*3/8M |
| | | S3/4F*1/2M |
| | | S1F*1/2M |
| | | S1F*3/4M |
| | | S1 1/4F*1/2M |
| | | S1 1/4F*3/4M |
|  <p>Female Elbow</p> | | 1/2F |
| | | 3/4F |
| | | 1F |
| | | 1 1/4F |
| | | 1 1/2F |
| | | 2F |

THREAD FITTINGS

| Product | Model No. | Spec. |
|--|-----------|-------------------|
|  <p>Male Tee</p> | | T1/2M*1/2M*1/2M |
| | | T3/4M*3/4M*3/4M |
| | | T3/4M*1/2M*3/4M |
| | | T1M*3/4M*1M |
| | | T1M*1M*1M |
| | | |
|  <p>Male and Female Elbow</p> | | L1/2M*1/2F |
| | | L3/4M*1/2 F |
| | | L1M*1 F |
| | | L1 1/4M*1 1/4F |
| | | L1 1/2M*1 1/2F |
| | | L2M*2F |
|  <p>Wall Plated Angle Tee</p> | | 16*1/2F*16*M10 |
| | | 20*1/2F*20*M10 |
| | | 16*1/2F*20*M10 |
| | | L1/2*1/2F*1/2*M10 |
| | | |
|  <p>Tee</p> | | 16*1/2F*16*M10 |
| | | 20*1/2F*20*M10 |
| | | 16*1/2F*20*M10 |
| | | 1/2*1/2F*1/2*M10 |
|  <p>Male Elbow</p> | | L1/2M*1/2M |
| | | L3/4M*3/4M |
| | | L1M*1M |
| | | |
|  <p>Male and Female Elbow</p> | | 1/2 |
| | | 3/4 |
| | | 1 |
| | | 1 1/4 |
| | | |

PP-R FITTINGS



- The fittings are suitable for connecting parts of PP-R pipes. The operating temperature is 0°C to 90°C. The operating pressure is ≤ 2.5 MPa.
- **Applicable Mediums:** Cold and hot water.
- **Applicable Pipes:** S5/S4/S3.2/S2.5 series of PP-R pipes and PPR-AL-PPR pipes.

PP-R FITTINGS

| Product | Model No. | Spec. |
|---|-----------|-------|
|  <p>Straight</p> | | S20 |
| | | S25 |
| | | S32 |
| | | S40 |
| | | S50 |
| | | S63 |
| | | S75 |
| | | S90 |
| | | S110 |
| | | S160 |

| | | |
|---|----------|---------|
|  <p>Reduced Straight</p> | | S25*20 |
| | | S32*20 |
| | | S32*25 |
| | | S40*20 |
| | | S40*25 |
| | | S40*32 |
| | | S50*20 |
| | | S50*25 |
| | | S50*32 |
| | | S50*40 |
| | | S63*20 |
| | | S63*25 |
| | | S63*32 |
| | | S63*40 |
| | | S63*50 |
| | | S75*40 |
| | | S75*50 |
| | | S75*63 |
| | | S90*32 |
| | | S90*40 |
| | | S90*50 |
| | | S90*63 |
| | | S90*75 |
| | | S110*25 |
| | S110*40 | |
| | S110*50 | |
| | S110*63 | |
| | S110*75 | |
| | S110*90 | |
| | S160*90 | |
| | S160*110 | |

PP-R FITTINGS

| Product | Model No. | Spec. |
|--|-----------|-------------|
|  <p>Female Straight</p> | | S20*1/2"F |
| | | S20*3/4"F |
| | | S25*1/2"F |
| | | S25*3/4"F |
| | | S32*1/2"F |
| | | S32*3/4"F |
| | | S32*1"F |
| | | S40*1.1/4"F |
| | | S50*1.1/2"F |
| | | S63*2"F |

| | | |
|---|-------------|-------------|
|  <p>Straight Male</p> | | S20*1/2"M |
| | | S20*3/4"M |
| | | S25*1/2"M |
| | | S25*3/4"M |
| | | S32*1/2"M |
| | | S32*3/4"M |
| | | S32*1"M |
| | | S40*1.1/4"M |
| | | S50*1.1/2"M |
| | | S63*1.1/2"M |
| | S63*2"M | |
| | S75*2.1/2"M | |

| | | |
|--|--|------|
|  <p>Elbow</p> | | L20 |
| | | L25 |
| | | L32 |
| | | L40 |
| | | L50 |
| | | Lo3 |
| | | L75 |
| | | L90 |
| | | L110 |
| | | L160 |

PP-R FITTINGS

| Product | Model No. | Spec. |
|---|-----------|-------------|
|  <p>Female Elbow</p> | | L20*1/2"F |
| | | L20*3/4"F |
| | | L25*1/2"F |
| | | L25*3/4"F |
| | | L32*1/2"F |
| | | L32*3/4"F |
| | | L32*1"F |
| | | L40*1.1/4"F |
| | | L50*1"F |
| | | L50*1.1/2"F |
| | Lo3*2"F | |

| | | |
|---|--|-------------|
|  <p>Male Elbow</p> | | L20*1/2"M |
| | | L25*1/2"M |
| | | L25*3/4"M |
| | | L32*1/2"M |
| | | L32*3/4"M |
| | | L32*1"M |
| | | L50*1.1/2"M |
| | | Lo3*2"M |

| | | |
|--|--|------|
|  <p>Tee</p> | | T20 |
| | | T25 |
| | | T32 |
| | | T40 |
| | | T50 |
| | | To3 |
| | | T75 |
| | | T90 |
| | | T110 |
| | | T160 |





| | | |
|---|--|-----------|
|  <p>Female Tee</p> | | T20*1/2"F |
| | | T20*3/4"F |
| | | T25*1/2"F |
| | | T25*3/4"F |
| | | T32*1/2"F |
| | | T32*3/4"F |
| | | T32*1"F |
| | | T40*1"F |
| | | T50*3/4"F |
| | | T50*1"F |

PP-R FITTINGS

| Product | Model No. | Spec. |
|--|--------------|-------------|
|  | | T25*20*25 |
| | | T32*20*32 |
| | | T32*25*32 |
| | | T40*20*40 |
| | | T40*25*40 |
| | | T40*32*40 |
| | | T50*20*50 |
| | | T50*25*50 |
| | | T50*32*50 |
| | | T50*40*50 |
| | | To3*20*o3 |
| | | To3*25*o3 |
| | | To3*32*o3 |
| | | To3*40*o3 |
| | | To3*50*o3 |
| | | T75*20*75 |
| | | T75*25*75 |
| | | T75*32*75 |
| | | T75*40*75 |
| | | T75*50*75 |
| | | T75*o3*75 |
| | | T90*25*90 |
| | | T90*32*90 |
| | | T90*40*90 |
| | | T90*50*90 |
| | | T90*o3*90 |
| | | T90*75*90 |
| | | T110*20*110 |
| | | T110*25*110 |
| | | T110*32*110 |
| | | T110*40*110 |
| | | T110*50*110 |
| | T110*o3*110 | |
| | T110*75*110 | |
| | T110*90*110 | |
| | T1o0*90*1o0 | |
| | T1o0*110*1o0 | |

Reduced Tee





PP-R FITTINGS

| Product | Model No. | Spec. |
|---|---|-------------|
|  Valves | | D20 |
| | | D25 |
| | | D32 |
| | | D40 |
| | | D50 |
| | | Do3 |
| | | D75 |
| | | D90 |
| | | D110 |
| |  Elbow | |
| | | L25 |
| | | L32 |
| | | L40 |
| | | L50 |
| | | Lo3 |
| | | L75 |
| | | L90 |
|  Male Union | | H20*1/2"M |
| | | H25*3/4"M |
| | | H32*1"M |
| | | H40*1 1/4"M |
| | | H50*1 1/4"M |
| | | H50*1 1/2"M |
|  Cap | | D20 |
| | | D25 |
| | | D32 |
| | | D40 |
| | | D50 |
| | | Do3 |
| | | D75 |
| | | D90 |
| | | D110 |


PP-R FITTINGS

| Product | Model No. | Spec. |
|---|-----------|--------------|
|  <p>Male Tee</p> | | T20*1/2"M |
| | | T20*3/4"M |
| | | T25*1/2"M |
| | | T25*3/4"M |
| | | T32*1/2"M |
| | | T32*3/4"M |
| | | T32*1"M |
|  <p>Reduced Elbow</p> | | L25*20 |
| | | L32*20 |
| | | L32*25 |
| | | L40*20 |
| | | L40*32 |
| | | L50*25 |
| | | L63*32 |
| | | L63*50 |
|  <p>Wall Plated Elbow</p> | | L20*1/2"F(A) |
| | | L25*1/2"F(A) |
| | | |
|  <p>Bridge</p> | | D20 |
| | | D25 |
| | | D32 |
|  <p>Bridge</p> | | D20 |
| | | D25 |
| | | D32 |
| | | D20 |
| | | D25 |
| | | D32 |

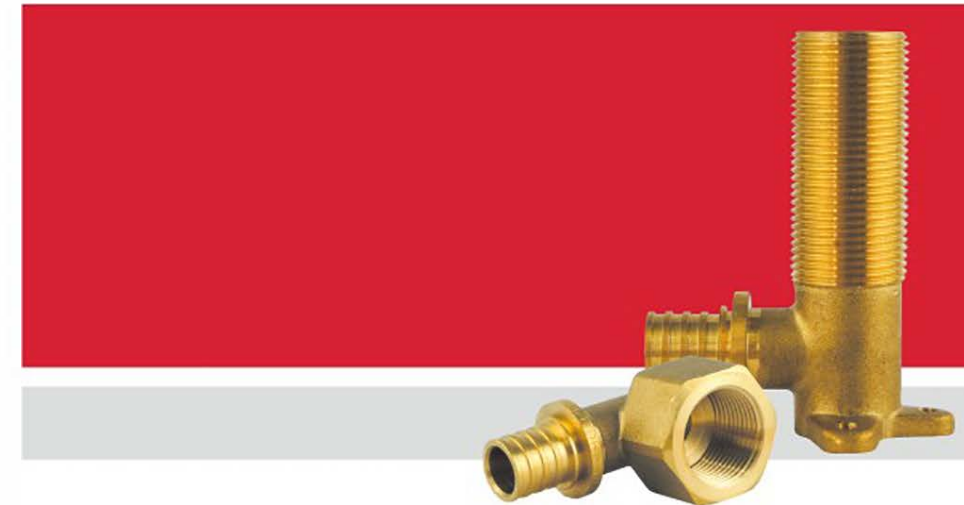
PP-R FITTINGS

| Product | Model No. | Spec. |
|---|-----------|-------------|
|  <p>Pipe Plug</p> | | D1/2"M |
| | | D3/4"M |
| | | |
| | | |
|  <p>Female Union</p> | | H20*1/2"F |
| | | H25*3/4"F |
| | | H32*1"F |
| | | H40*1 1/4"F |
| | | H50*1 1/4"F |
| | | H50*1 1/2"F |
| | | H63*2"F |
| | | |
|  <p>Valve</p> | | Q20 |
| | | Q25 |
| | | Q32 |
| | | Q40 |
| | | Q50 |
| | | Q63 |
|  <p>Flange</p> | | D50 |
| | | D63 |
| | | D75 |
| | | D90 |
| | | D110 |
| | | D160 |

PP-R FITTINGS





| Product | Model No. | Spec. |
|--|-----------|-------|
|  Valve | Q20 | Q20 |
| | Q25 | Q25 |
| | Q32 | Q32 |
| | Q40 | Q40 |
| | | |
|  Clamp | 20 | 20 |
| | 25 | 25 |
| | 32 | 32 |
| | 40 | 40 |
| | | |
|  Clamp | 20 | 20 |
| | 25 | 25 |
| | 32 | 32 |
| | 40 | 40 |
| | | |
|  PPR Manifolds | D20 | D20 |
| | D25 | D25 |
| | D32 | D32 |
| | D40 | D40 |
| | D50 | D50 |
| | D63 | D63 |
| | | |

PE-X FITTINGS




- The fittings are suitable for connecting parts of PE-X pipes. The operating temperature is -20°C to 95°C. The operating pressure is ≤ 10 MPa.
- **Applicable Mediums:** Cold & hot water, or fluids which are not corrosive to brass.
- **Applicable Pipes:** PE-Xa, PE-Xb, PE-Xc
- The pipe insertion part size and sleeve size should be determined according to the wall thickness of the S6/S5/S4/S3.2 pipe series.

PE-X FITTINGS


| Product | Model No. | Spec. |
|--|-----------|-----------|
|  <p>Compression Sleeve</p> | 04 | 10mm |
| | 05 | 20mm |
| | 06 | 25mm |
| | 07 | 32mm |
| | | |
|  <p>Straight Connector</p> | 08 | 10mm |
| | 09 | 20mm |
| | 10 | 25mm |
| | 11 | 32mm |
| | | |
|  <p>Reduced Connector</p> | 12 | 20mm*10mm |
| | 13 | 25mm*10mm |
| | 14 | 25mm*20mm |
| | 15 | 32mm*25mm |
| | | |
|  <p>Female Straight Connector</p> | 16 | 10*1/2"F |
| | 17 | 10*3/4"F |
| | 18 | 20*1/2"F |
| | 19 | 20*3/4"F |
| | 20 | 20*1"F |
| | 21 | 25*3/4"F |
| | 22 | 25*1"F |
| | 23 | 32*3/4"F |
| 24 | 32*1"F | |

PE-X FITTINGS

| Product | Model No. | Spec. |
|--|-----------|----------|
|  <p>Male Straight Connector</p> | 25 | 10*1/2"M |
| | 26 | 10*3/4"M |
| | 27 | 20*1/2"M |
| | 28 | 20*3/4"M |
| | 29 | 20*1"M |
| | 30 | 25*3/4"M |
| | 31 | 25*1"M |
| | 32 | 32*3/4"M |
|  <p>Equal Elbow</p> | 33 | 10mm |
| | 34 | 20mm |
| | 35 | 25mm |
| | 36 | 32mm |
| | | |
|  <p>Male Elbow</p> | 37 | 10*1/2"M |
| | 38 | 10*3/4"M |
| | 39 | 20*1/2"M |
| | 40 | 20*3/4"M |
| | 41 | 25*3/4"M |
| | 42 | 25*1"M |
| | 43 | 32*3/4"M |
| | 44 | 32*1"M |
|  <p>Female Elbow</p> | 45 | 10*1/2"F |
| | 46 | 10*3/4"F |
| | 47 | 20*1/2"F |
| | 48 | 20*3/4"F |
| | 49 | 25*3/4"F |
| | 50 | 25*1"F |
| | 51 | 32*3/4"F |
| | 52 | 32*1"F |

PE-X FITTINGS

| Product | Model No. | Spec. |
|---|-----------|-------------|
|  BP Elbow | | 1ø1/2"-ø5 |
| | | 1ø1/2"-90 |
| | | 1ø1/2"-95 |
| | | 1ø1/2"-150 |
| | | 1ø1/2"-200 |
| | | 20*3/4"-150 |
| | | 20*1/2"-200 |
| | | 20*3/4"-200 |

| | | |
|---|--|------|
|  Equal Tee | | 10mm |
| | | 20mm |
| | | 25mm |
| | | 32mm |

| | | |
|--|----------------|----------------|
|  Reduced Tee | | 20mm*10mm*20mm |
| | | 25mm*20mm*25mm |
| | | 20mm*10mm*10mm |
| | | 20mm*20mm*10mm |
| | | 25mm*25mm*10mm |
| | | 25mm*25mm*20mm |
| | | 25mm*20mm*20mm |
| | | 25mm*20mm*10mm |
| | | 25mm*10mm*20mm |
| | | 32mm*32mm*25mm |
| | | 32mm*25mm*25mm |
| | 25mm*10mm*10mm | |

PE-X FITTINGS

| Product | Model No. | Spec. |
|--|-----------|----------|
|  Female Lugged Elbow | | 1ø1/2F" |
| | | 1ø3/4F" |
| | | 20*1/2"F |
| | | 20*3/4"F |
| | | |


| | | |
|--|--|----|
|  Stopper | | 16 |
| | | 20 |
| | | 25 |
| | | 32 |

| | | |
|---|--|----------------|
|  Bath/laundry Breech Right Angle | | L1ø5,SF(a)-200 |
| | | |
| | | |
| | | |
| | | |
| | | |

| | | |
|--|--|------|
|  Braizing Tail(internal) | | 10mm |
| | | 20mm |
| | | 25mm |
| | | 32mm |

| | | |
|--|--|------|
|  Braizing Tail(external) | | 10mm |
| | | 20mm |
| | | 25mm |
| | | 32mm |

PE-X FITTINGS

| Product | Model No. | Spec. |
|---|-----------|-----------------|
|  <p>Pex to Copper Adaptor</p> | | S1/2M*1/2CuP |
| | | |
| | | |
| | | |
|  <p>Shower Breech Right Angle</p> | | L10*5:SF(a)-153 |
| | | L10*5:SF(a)-200 |
| | | |
| | | |
|  <p>Shower Breech All Right Angle</p> | | L10*5:SF(a)-200 |
| | | |
| | | |
| | | |

SLIDING FITTINGS





- The fittings are suitable for connecting parts of PE-X pipes. The operating temperature is -20°C to 95°C. The operating pressure is ≤ 10 MPa.
- **Applicable Mediums:** Cold & hot water, or fluids which are not corrosive to brass.
- **Applicable Pipes:** PE-Xa, PE-Xb, PE-Xc
- The pipe insertion part size and sleeve size should be determined according to the wall thickness of the S6/S5/S4/S3.2 pipe series.





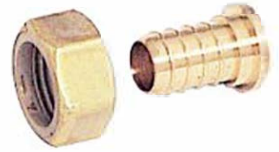
SLIDING FITTINGS

| Product | Model No. | Spec. |
|---|-----------|-----------------|
|  | | Ø10x1.8 |
| | | Ø20x1.9 |
| | | Ø25x2.3 |
| | | |
|  | | Ø10x1.8-1/2" |
| | | Ø10x1.8-3/4" |
| | | Ø20x1.9-1/2" |
| | | Ø20x1.9-3/4" |
| | | Ø10x1.8-1/2" |
| | | Ø25x2.3-3/4" |
| | | Ø25x2.3-1" |
| | | |
|  | | Ø20x1.9-Ø10x1.8 |
| | | |
| | | |
| | | |
|  | | Ø10x1.8-1/2" |
| | | Ø20x1.9-1/2" |
| | | |
| | | |

SLIDING FITTINGS

| Product | Model No. | Spec. |
|---|-----------|-------------------------|
|  | | Ø10x1.8-Ø14 |
| | | Ø10x1.8-Ø16 |
| | | Ø20x1.9-Ø18 |
| | | |
|  | | Ø10x1.8-1/2" |
| | | Ø10x1.8-3/4" |
| | | Ø20x1.9-1/2" |
| | | Ø20x1.9-3/4" |
| | | Ø25x2.3-3/4" |
| | | Ø10x1.8-3/8" |
| | | Ø25x2.3-1" |
| | | Ø32x2.9-1" |
|  | | Ø10x1.8-Ø20x1.9-Ø10x1.8 |
| | | Ø20x1.9-Ø10x1.8-Ø20x1.9 |
| | | Ø20x1.9-Ø10x1.8-Ø10x1.8 |
| | | Ø20x1.9-Ø20x1.9-Ø10x1.8 |
| | | |
|  | | Ø10x1.8 |
| | | Ø20x1.9 |
| | | Ø25x2.3 |
|  | | Ø10x1.8 |
| | | Ø20x1.9 |
| | | Ø25x2.3 |
| | | |



SLIDING FITTINGS





| Product | Model No. | Spec. |
|---|-----------|--------------|
|  <p>Straight Coupling</p> | | Ø10x1.5 |
| | | Ø20x1.9 |
| | | Ø25x2.3 |
| | | |
|  <p>90° elbow thread F</p> | | Ø10x1.5-3/8" |
| | | Ø10x1.5-1/2" |
| | | Ø20x1.9-1/2" |
| | | |
|  <p>90° elbow thread M</p> | | Ø10x1.5-1/2" |
| | | Ø20x1.9-1/2" |
| | | |
| | | |
|  <p>90° elbow swivel nut</p> | | Ø10x1.5-1/2" |
| | | Ø20x1.9-1/2" |
| | | Ø25x2.3-3/4" |
| | | |
|  <p>Female coupling</p> | | Ø10x1.5-1/2" |
| | | Ø20x1.9-1/2" |
| | | Ø20x1.9-3/4" |
| | | Ø10x1.5-3/8" |
| | | Ø25x2.3-3/4" |

PPSU FITTINGS



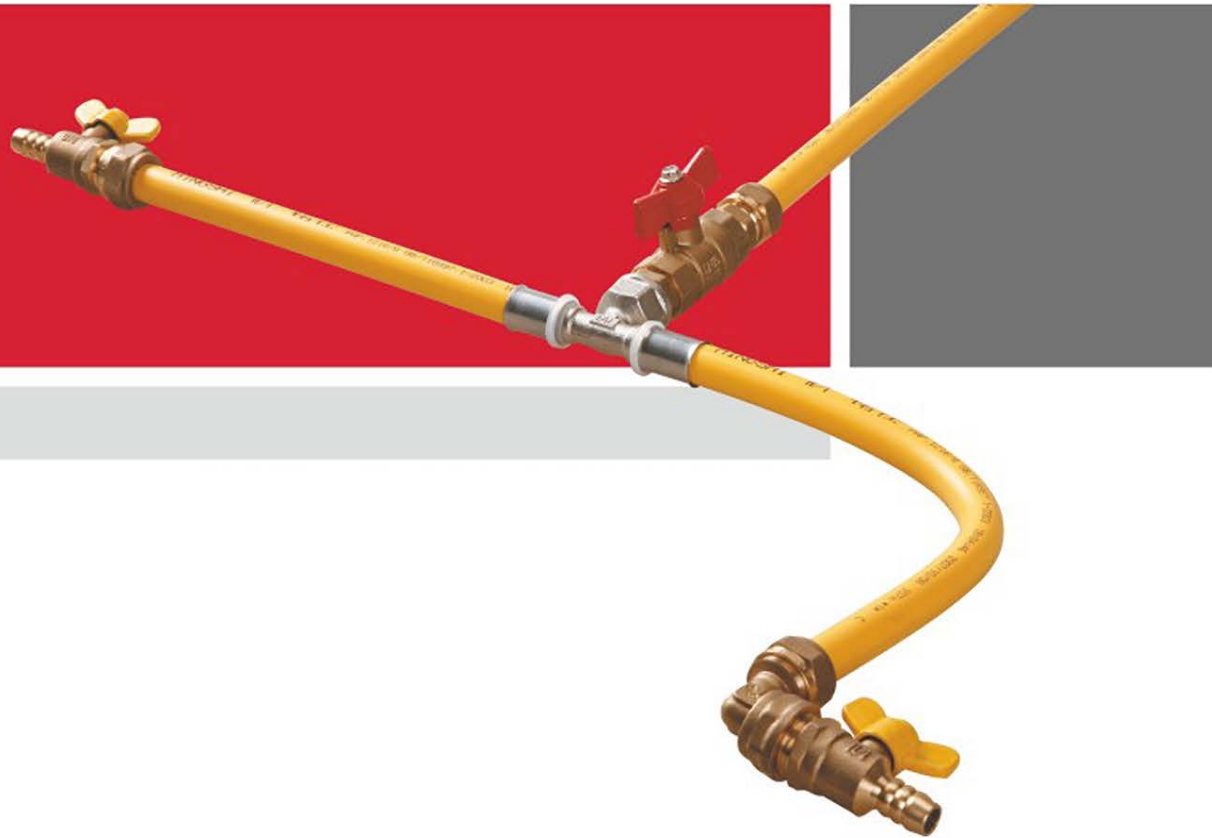
| Product | Model No. | Spec. |
|---|-----------|--|
|  Equal Union | | 10x2.2(2.0) / 10x2.2(2.0) |
| | | 20x2.8(2.0) / 20x2.8(2.0) |
| | | 25x3.5(2.3) / 25x3.5(2.3) |
| | | 32x4.4(2.9) / 32x4.4(2.9) |
| | | |
|  Reducing Union | | 20x2.8(2.0) / 10x2.2(2.0) |
| | | 25x3.5(2.3) / 20x2.8(2.0) |
| | | 25x3.5(2.3) / 10x2.2(2.0) |
| | | 32x4.4(2.9) / 25x3.5(2.3) |
| | | |
|  Elbow | | 10x2.2(2.0) / 10x2.2(2.0) |
| | | 20x2.8(2.0) / 20x2.8(2.0) |
| | | 25x3.5(2.3) / 25x3.5(2.3) |
| | | 32x4.4(2.9) / 32x4.4(2.9) |
| | | |
|  Manifold | | 20x2.8(2.0) / 20x2.8(2.0) / 10x2.2(2.0) / 10x2.2(2.0) |
| | | |
| | | |
| | | |
| | | |
|  Manifold | | 20x2.8(2.0) / 20x2.8(2.0) / 10x2.2(2.0) / 10x2.2(2.0) |
| | | |
| | | |
| | | |
| | | |
|  Ring of PE | | 10x2.2(2.0) |
| | | 20x2.8(2.0) |
| | | 25x3.5(2.3) |
| | | 32x4.4(2.9) |
| | | |

| Product | Model No. | Spec. |
|--|-----------|---|
|  Equal Tee | | 10x2.2(2.0) / 10x2.2(2.0) / 10x2.2(2.0) |
| | | 20x2.8(2.0) / 20x2.8(2.0) / 20x2.8(2.0) |
| | | 25x3.5(2.3) / 25x3.5(2.3) / 25x3.5(2.3) |
| | | 32x4.4(2.9) / 32x4.4(2.9) / 32x4.4(2.9) |
| | | |
|  Reduced Tee | | 10x2.2(2.0) / 20x2.8(2.0) / 10x2.2(2.0) |
| | | 20x2.8(2.0) / 10x2.2(2.0) / 10x2.2(2.0) |
| | | 20x2.8(2.0) / 10x2.2(2.0) / 20x2.8(2.0) |
| | | 20x2.8(2.0) / 20x2.8(2.0) / 10x2.2(2.0) |
| | | 20x2.8(2.0) / 25x3.5(2.3) / 20x2.8(2.0) |
| | | 25x3.5(2.3) / 10x2.2(2.0) / 10x2.2(2.0) |
| | | 25x3.5(2.3) / 10x2.2(2.0) / 25x3.5(2.3) |
| | | 25x3.5(2.3) / 20x2.8(2.0) / 10x2.2(2.0) |
| | | 25x3.5(2.3) / 20x2.8(2.0) / 20x2.8(2.0) |
| | | 25x3.5(2.3) / 20x2.8(2.0) / 25x3.5(2.3) |
| | | 25x3.5(2.3) / 25x3.5(2.3) / 20x2.8(2.0) |
| | | 25x3.5(2.3) / 32x4.4(2.9) / 25x3.5(2.3) |
| | | 32x4.4(2.9) / 20x2.8(2.0) / 25x3.5(2.3) |
| | | 32x4.4(2.9) / 20x2.8(2.0) / 32x4.4(2.9) |
| | | 32x4.4(2.9) / 25x3.5(2.3) / 20x2.8(2.0) |
| | | 32x4.4(2.9) / 25x3.5(2.3) / 25x3.5(2.3) |
| | | 32x4.4(2.9) / 25x3.5(2.3) / 32x4.4(2.9) |
| | | |
| | | |

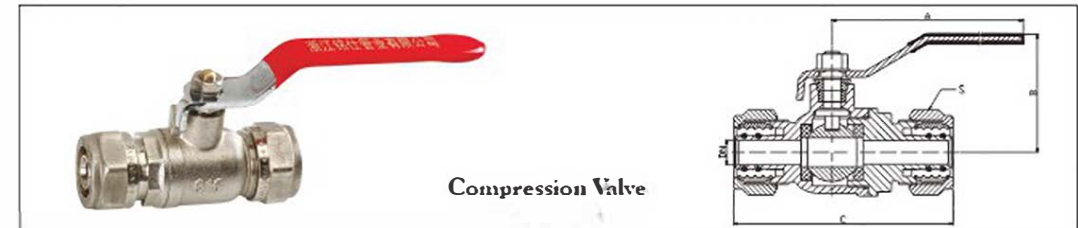
| Product | Model No. | Spec. |
|---|-----------|--------------------------|
|  <p>Equal Union</p> | | 10x2 / 10x2 |
| | | 20x2 / 20x2 |
| | | 25x2.5 / 25x2.5 |
| | | 20x3 / 20x3 |
| | | 32x3 / 32x3 |
| | | |
|  <p>Reducing Union</p> | | 20x2 / 10x2 |
| | | 25x2.5 / 10x2 |
| | | 20x3 / 10x2 |
| | | 25x2.5 / 20x2 |
| | | 20x3 / 20x2 |
| | | 32x3 / 20x2 |
| | | 32x3 / 25x2.5 |
| | | 32x3 / 20x2.6 |
|  <p>Elbow 90°</p> | | 10x2 / 10x2 |
| | | 20x2 / 20x2 |
| | | 25x2.5 / 25x2.5 |
| | | 20x3 / 20x3 |
| | | 32x3 / 32x3 |
|  <p>Equal Tee</p> | | 10x2 / 10x2 / 10x2 |
| | | 20x2 / 20x2 / 20x2 |
| | | 25x2.5 / 25x2.5 / 25x2.5 |
| | | 20x3 / 20x3 / 20x3 |
| | | 32x3 / 32x3 / 32x3 |
| | | |

| Product | Model No. | Spec. |
|--|----------------------|------------------------|
|  <p>Reduced Tee</p> | | 10x2 / 20x2 / 10x2 |
| | | 20x2 / 10x2 / 10x2 |
| | | 20x2 / 10x2 / 20x2 |
| | | 20x2 / 20x2 / 10x2 |
| | | 20x2 / 25x2.5 / 20x2 |
| | | 20x2 / 20x3 / 20x2 |
| | | 25x2.5 / 20x2 / 10x2 |
| | | 25x2.5 / 10x2 / 20x2 |
| | | 25x2.5 / 10x2 / 25x2.5 |
| | | 25x2.5 / 20x2 / 20x2 |
| | | 25x2.5 / 20x2 / 25x2.5 |
| | | 25x2.5 / 25x2.5 / 20x2 |
| | | 25x2.5 / 32x3 / 25x2.5 |
| | | 20x3 / 10x2 / 20x2 |
| | | 20x3 / 10x2 / 20x3 |
| | | 20x3 / 20x2 / 10x2 |
| | | 20x3 / 20x2 / 20x2 |
| | | 20x3 / 20x2 / 20x3 |
| | | 20x3 / 20x3 / 20x2 |
| | | 20x3 / 32x3 / 20x3 |
| | | 32x3 / 10x2 / 32x3 |
| | | 32x3 / 20x2 / 25x2.5 |
| | | 32x3 / 20x2 / 20x3 |
| | | 32x3 / 20x2 / 32x3 |
| | | 32x3 / 25x2.5 / 25x2.5 |
| | | 32x3 / 25x2.5 / 32x3 |
| | | 32x3 / 20x3 / 20x3 |
| | | 32x3 / 20x3 / 32x3 |
| | 32x3 / 32x3 / 20x2 | |
| | 32x3 / 32x3 / 25x2.5 | |
| | 32x3 / 32x3 / 20x3 | |

WATER BALL VALVE SERIES

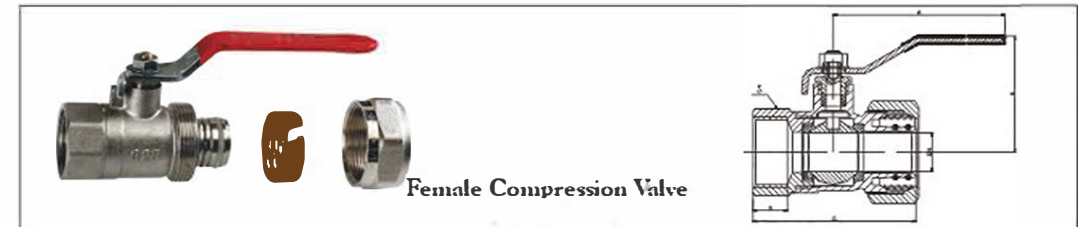


BALL VALVE SERIES



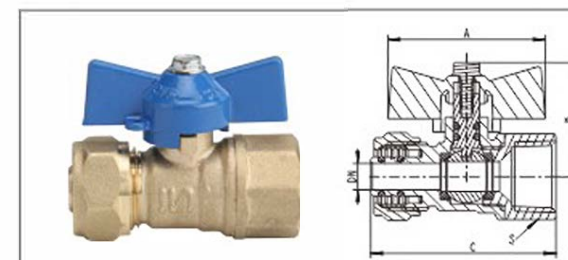
Compression Valve

| Size | A | B | C | D | DN |
|------|-----|------|------|----|------|
| Q16 | 92 | 40.5 | 70 | 25 | 10 |
| Q18 | 92 | 40.5 | 72 | 27 | 10 |
| Q20 | 92 | 41.5 | 74.5 | 29 | 12.5 |
| Q25 | 92 | 41.5 | 81.5 | 36 | 15 |
| Q32 | 110 | 60 | 92.5 | 43 | 20 |



Female Compression Valve

| Size | A | B | C | D | DN | S |
|------------|-----|----|------|----|------|----|
| Q16 x 1/2F | 92 | 42 | 59 | 13 | 10 | 25 |
| Q18 x 1/2F | 92 | 42 | 60 | 13 | 10 | 25 |
| Q20 x 1/2F | 92 | 43 | 58.5 | 12 | 12 | 25 |
| Q20 x 3/4F | 92 | 43 | 62 | 13 | 12 | 30 |
| Q25 3/4F | 92 | 44 | 65 | 13 | 15 | 30 |
| Q32 x 1F | 110 | 46 | 73.5 | 14 | 21.5 | 37 |



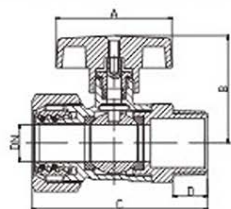
Female Compression Ball Valves

| Size | A | B | C | DN | S |
|----------|----|------|----|------|----|
| Q16*1/2F | 50 | 34.5 | 50 | 8 | 25 |
| Q18*1/2F | 50 | 36 | 59 | 9.5 | 25 |
| Q20*1/2F | 50 | 37 | 59 | 11.5 | 25 |
| Q25*1/2F | 50 | 38 | 64 | 15 | 25 |
| | | | | | |
| | | | | | |
| | | | | | |

BALL VALVE SERIES



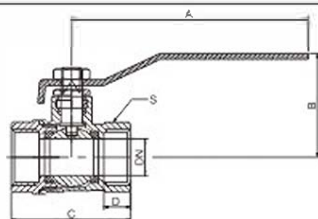
Male Compression Valve



| Size | A | B | C | D | DN |
|------------|----|------|------|------|------|
| Q16 × 1/2" | 47 | 34.5 | 62 | 13 | 10 |
| Q18 × 1/2" | 47 | 34.5 | 62 | 13 | 10 |
| Q20 × 1/2" | 47 | 39 | 61.5 | 13 | 12.5 |
| Q25 × 3/4" | 47 | 53 | 73.5 | 14.5 | 15 |



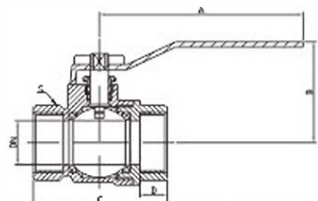
Double Female Valve



| Size | A | B | C | D | DN | S |
|--------|-----|------|------|------|------|------|
| 1/2" | 92 | 47 | 44.5 | 10 | 13.5 | 24.5 |
| 3/4" | 92 | 49.5 | 52 | 11 | 17 | 30 |
| 1" | 112 | 56 | 64 | 13 | 21 | 37 |
| 1 1/4" | 112 | 63 | 71 | 13.5 | 27 | 47 |
| 1 1/2" | 125 | 74 | 83.5 | 15 | 36 | 53.5 |
| 2" | 125 | 82 | 97 | 16 | 45 | 65 |



Double Female Valve

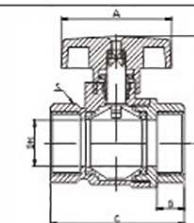


| Size | A | B | C | D | DN | S |
|------|-----|----|------|------|------|----|
| 1/2" | 92 | 46 | 51 | 12.5 | 13.5 | 25 |
| 3/4" | 92 | 48 | 58 | 13.5 | 19 | 30 |
| 1" | 109 | 63 | 71.5 | 17.5 | 24 | 38 |

BALL VALVE SERIES



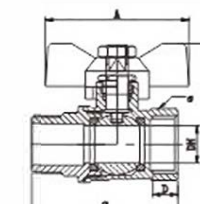
Double Female Valve



| Size | A | B | C | D | DN | S |
|------|----|----|------|------|------|----|
| 1/2" | 47 | 46 | 51 | 12.5 | 13.5 | 25 |
| 3/4" | 47 | 48 | 58 | 13.5 | 19 | 30 |
| 1" | 47 | 63 | 71.5 | 17.5 | 24 | 38 |



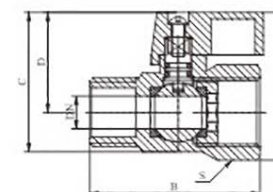
Male and Female Valve



| Size | A | B | C | D | DN | S |
|------|----|----|----|----|------|------|
| 1/2" | 52 | 39 | 53 | 10 | 13.5 | 24.5 |
| 3/4" | 52 | 41 | 60 | 11 | 17 | 30 |
| 1" | 62 | 49 | 73 | 13 | 21 | 37 |



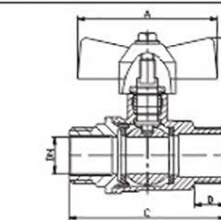
Male and Female Valve



| Size | A | B | C | D | DN | S |
|------|----|----|------|------|----|----|
| 1/2" | 45 | 52 | 42.5 | 30.5 | 10 | 26 |



Double Male Valve

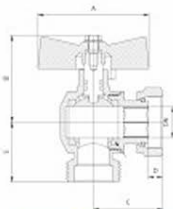


| Size | A | B | C | D | DN |
|----------------|------|------|----|----|------|
| Q1/2"M × 1/2"M | 53.5 | 39.5 | 61 | 12 | 13.5 |
| Q1/2"M × 3/4"M | 53.5 | 39.5 | 62 | 12 | 13.5 |

BALL VALVE SERIES



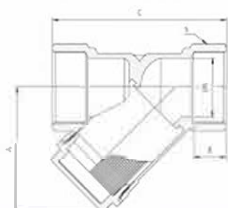
Male and Female Union Valve



| Size | A | B | C | D | DN | L |
|------|----|----|----|---|----|----|
| 1/2" | 54 | 40 | 33 | 8 | 15 | 29 |
| 3/4" | 54 | 40 | 33 | 8 | 15 | 29 |



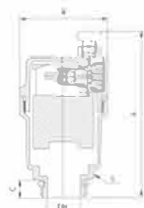
Filter



| Size | A | B | C | D | DN | S |
|------|----|------|------|---|----|----|
| 1/2" | 42 | 11 | 55 | | 15 | 25 |
| 3/4" | 49 | 12.5 | 69 | | 20 | 31 |
| 1" | 53 | 15 | 78.5 | | 25 | 37 |



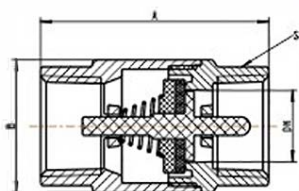
Automatic Exhausting Valve



| Size | A | B | C | D | DN | S |
|------|----|-----|---|---|----|----|
| 1/2" | 74 | 9.5 | 8 | | 15 | 25 |



Check Valve

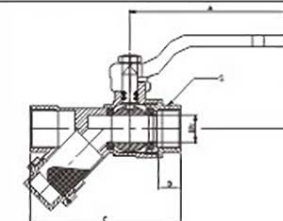


| Size | A | B | S | DN |
|------|----|------|----|----|
| 1/2F | 49 | 28.5 | 24 | 15 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

BALL VALVE SERIES



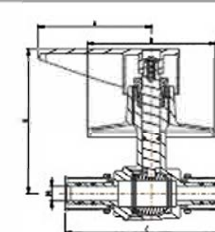
Filtering Valve



| Size | A | B | C | D | DN | S |
|------|----|----|-----|----|----|------|
| 3/4" | 84 | 46 | 94 | 12 | 19 | 30.5 |
| 1" | 92 | 62 | 115 | 15 | 23 | 37 |



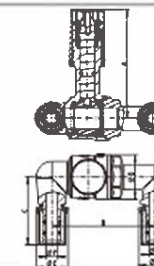
Buried Ball Valves



| Size | A | B | C | D | DN |
|----------|----|------|------|----|------|
| Q10*1/2F | ø1 | 78.5 | 85.5 | 69 | 7.8 |
| Q20*1/2F | ø1 | 78.5 | 85.5 | 69 | 11.5 |
| Q25*1/2F | ø1 | 79.5 | 108 | 69 | 15 |
| | | | | | |
| | | | | | |



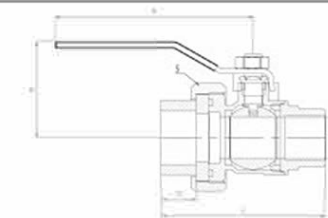
U Type Press Valve



| Size | A | B | C | D | E | DN |
|------|----|------|------|----|----|------|
| QU10 | 72 | 67.5 | 44.5 | 29 | 21 | 7.8 |
| QU20 | 72 | 67.5 | 44.5 | 29 | 25 | 11.5 |
| QU25 | 73 | 67.5 | 52.5 | 31 | 31 | 15 |
| | | | | | | |
| | | | | | | |



PP-R Female Valve

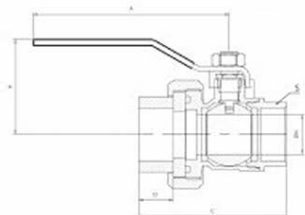


| Size | A | B | C | D | DN | S |
|------------|-----|----|------|------|----|----|
| PPr20*1/2M | 92 | 43 | 76.5 | 15 | 15 | 40 |
| PPr25*3/4M | 92 | 52 | 84.5 | 17 | 19 | 45 |
| PPr25*1M | 92 | 52 | 85 | 17 | 19 | 45 |
| PPr32*1M | 109 | 64 | 93.5 | 19.5 | 23 | 55 |

BALL VALVE SERIES



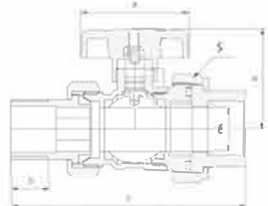
PP-R Male Valve



| Size | A | B | C | D | DN | S |
|------------|-----|----|------|------|----|----|
| PPr20*1/2F | 92 | 43 | 68.5 | 15 | 15 | 40 |
| PPr25*3/4F | 92 | 52 | 75 | 17 | 19 | 45 |
| PPr32*1F | 109 | 64 | 85.5 | 19.5 | 23 | 55 |



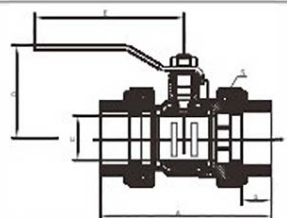
PP-R Double Union Valve



| Size | A | B | C | D | DN | S |
|------------|----|------|-------|----|----|----|
| PPr20*1/2M | 47 | 44.5 | 87.5 | 13 | 14 | 40 |
| PPr25*3/4M | 47 | 48 | 102.5 | 15 | 19 | 45 |
| PPr32*1M | 47 | 51 | 117 | 15 | 23 | 55 |



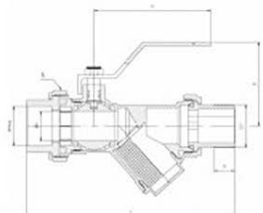
PP-R Union Valve



| Size | A | B | C | D | E | S |
|------|-------|------|----|------|-----|----|
| Q20 | 89 | 15 | 15 | 43 | 92 | 40 |
| Q25 | 98.5 | 17 | 19 | 52 | 92 | 45 |
| Q32 | 115.5 | 19.5 | 23 | 64 | 109 | 55 |
| Q40 | 127 | 22 | 32 | 74.5 | 109 | 67 |
| Q50 | 149.5 | 25 | 40 | 85 | 128 | 84 |



PP-R Filtering Valve



| Size | A | B | C | D | DN | S |
|-----------|-----|----|-----|----|----|----|
| PPr32*H1M | 103 | 62 | 166 | 15 | 23 | 55 |

BALL VALVE SERIES



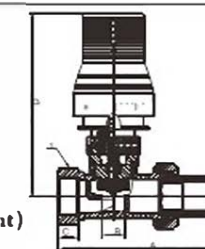
Automatic Temperature Control Valve (Angle)



| Size | A | B | C | D | S |
|------|------|----|----|-----|----|
| 15 | 52 | 12 | 11 | 124 | 25 |
| 20 | 56.5 | 16 | 15 | 132 | 31 |



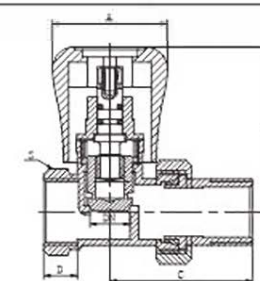
Automatic Temp Control Valve (Straight)



| Size | A | B | C | D | S |
|------|------|----|----|-----|----|
| 15 | 82 | 12 | 11 | 108 | 25 |
| 20 | 86.5 | 16 | 15 | 113 | 31 |



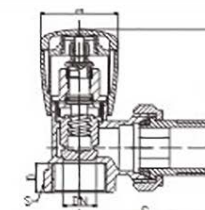
Temperature Control Valve



| Size | A | B | C | D | DN | S |
|------|----|----|----|----|----|----|
| 3/4" | 45 | 71 | 57 | 14 | 16 | 31 |
| 1/2" | 39 | 63 | 47 | 11 | 11 | 25 |




Angle Temperature Valve

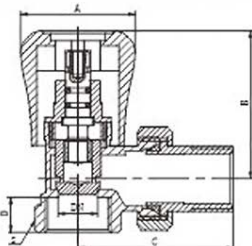


| Size | A | B | C | D | DN | S |
|------|----|----|----|----|----|----|
| 1/2" | 46 | 60 | 63 | 11 | 11 | 25 |
| 3/4" | 45 | 62 | 66 | 13 | 16 | 31 |


BALL VALVE SERIES



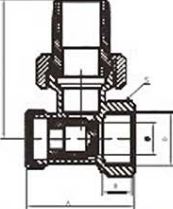
Angle Temperature Control Valve




| Size | A | B | C | D | DN | S |
|------|----|----|----|----|----|----|
| 3/4" | 45 | 65 | 62 | 14 | 16 | 31 |
| 1/2" | 39 | 55 | 49 | 11 | 11 | 25 |



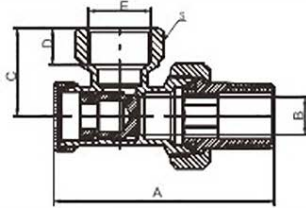
Return Lock-off Valve (Angle I)




| Size | A | B | C | D | E | S |
|------|------|----|----|-----|----|----|
| 15 | 41.5 | 11 | 12 | 1/2 | 51 | 25 |
| 20 | 52 | 14 | 16 | 3/4 | 60 | 31 |



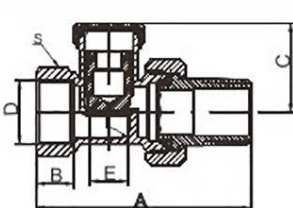
Return Lock-off Valve (Angle II)



| Size | A | B | C | D | E | S |
|------|----|----|------|----|-----|----|
| 15 | 68 | 12 | 28.5 | 11 | 1/2 | 25 |
| 20 | 81 | 16 | 35 | 14 | 3/4 | 31 |




Return Lock-off Valve (Straight)

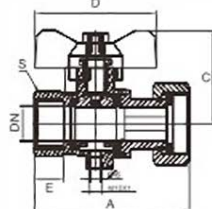


| Size | A | B | C | D | E | S |
|------|------|----|----|-----|----|----|
| 15 | 65.5 | 12 | 26 | 1/2 | 12 | 25 |
| 20 | 79 | 14 | 34 | 3/4 | 16 | 31 |


BALL VALVE SERIES



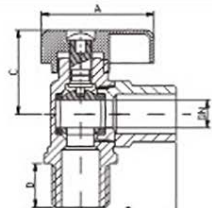
Temperature Union Valve




| Size | A | B | C | D | DN | S |
|------------|----|------|------|------|------|----|
| Q1/2"x3/4F | 65 | 39.5 | 53.5 | 12.5 | 13.5 | 25 |
| Q3/4"x1F | 72 | 43.5 | 53.5 | 13 | 19 | 31 |
| Q1"x1F | 84 | 50 | 63 | 15 | 23 | 37 |



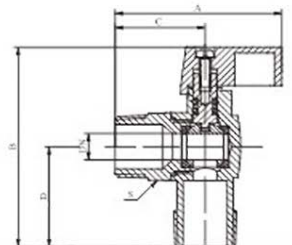
Temperature Valve



| Size | A | B | C | D | DN |
|-----------|----|------|----|----|----|
| 1/2"*1/2" | 38 | 41.5 | 37 | 13 | 10 |
| 1/2"*3/4" | 38 | 41.5 | 37 | 13 | 10 |



Angle Type Valve



| Size | A | B | C | D | DN | S |
|------|------|----|------|----|----|----|
| 1/2" | 58.5 | 67 | 31.5 | 34 | 9 | 22 |

GAS BALL VALVE SERIES



(Gas Ball Valve)

Gas Ball Valve Series


Gas Ball Valve Series


| | | |
|--|------------------------|---------------------------|
| | Product No. | 1000000000 |
| | PN | 1.0MPa(200psi) |
| | DN | 13.5-45mm |
| | Export Connection Type | 1/2, 3/4, 1, 1.1/2, 2" F |
| | Pressure Test Standard | ISO5208 |
| | Suitable Medium | CNG GAS |
| | Surface Processing | Shot blasting or pickling |
| | Body Material | HPb59-1 |
| | Working Temperature | -30°C ~ 120°C |
| | Specifications | DN15 ~ DN50 |


(Gas Ball Valve)

| | | |
|--|------------------------|---------------------------|
| | Product No. | 1000000000 |
| | PN | 2.5MPa |
| | DN | 10-45mm |
| | Export Connection Type | 1/2, 3/4, 1, 1.1/2, 2" F |
| | Pressure Test Standard | ISO5208 |
| | Suitable Medium | CNG GAS |
| | Surface Processing | Shot blasting or pickling |
| | Body Material | HPb59-1 |
| | Working Temperature | -30°C ~ 120°C |
| | Specifications | DN20 ~ DN50 |


GAS BALL VALVE SERIES


| | | |
|---|-------------------------|-------------------------|
|  <p>(Gas Ball Valve)</p> | Product No. | |
| | PN | 1.6MPa(200psi) |
| | DN | ≥ Φ8mm |
| | Export Connection Type | Direct |
| | Inlet Connecting Thread | 1/2NPT |
| | Suitable Medium | CNG GAS |
| | Surface Processing | ot blasting or pickling |
| | Body Material | HPl59-1 |
| | Working Temperature | -30℃ ~ 120℃ |
| | Specifications | 1/2" |


| | | |
|---|-------------------------|---------------------------|
|  <p>(Gas Ball Valve)</p> | Product No. | |
| | PN | 1.6MPa(200psi) |
| | DN | ≥ Φ8mm |
| | Export Connection Type | Direct |
| | Inlet Connecting Thread | 1/2NPT |
| | Suitable Medium | CNG GAS |
| | Surface Processing | Shot blasting or pickling |
| | Body Material | HPl59-1 |
| | Working Temperature | -30℃ ~ 120℃ |
| | Specifications | 1/2" |

| | | | | |
|--|------------|------------------------|-----------------------|--|
|  <p>Double female Ball Valves</p> | 1/4"(PN40) | PN | 4.0MPa | |
| | 3/8"(PN40) | DN | 8~10 | |
| | | Export Connection Type | 1/4", 3/8" BSP or NPT | |
| | | Pressure Test Standard | ISO5208 | |
| | | Suitable Medium | CNG GAS | |
| | | Surface Processing | Customized | |
| | | Body Material | HPl59-1 | |
| | | Working Temperature | -20℃ ~ 60℃ | |
| | | Specifications | 1/4"~3/8" | |


GAS BALL VALVE SERIES


| | | | | |
|--|------------|------------------------|-----------------------|--|
|  <p>Double female Ball Valves</p> | DN15(PN10) | PN | 1.0MPa | |
| | DN20(PN10) | DN | 15~20 | |
| | | Export Connection Type | 1/2", 3/4" BSP or NPT | |
| | | Pressure Test Standard | ISO5208 | |
| | | Suitable Medium | CNG GAS | |
| | | Surface Processing | Customized | |
| | | Body Material | HPl59-1 | |
| | | Working Temperature | -20℃ ~ 60℃ | |
| | | Specifications | 1/2"~3/4" | |


| | | | | |
|--|------------|------------------------|-----------------------------------|--|
|  <p>Double female Ball Valves</p> | DN25(PN25) | PN | 2.5MPa | |
| | DN32(PN25) | DN | 25~50 | |
| | DN40(PN25) | Export Connection Type | 1", 1 1/4", 1 1/2", 2" BSP or NPT | |
| | DN50(PN25) | Pressure Test Standard | ISO5208 | |
| | | Suitable Medium | CNG GAS | |
| | | Surface Processing | Customized | |
| | | Body Material | HPl59-1 | |
| | | Working Temperature | -20℃ ~ 60℃ | |
| | | Specifications | 1"~2" | |


| | | |
|--|------------------------|---------------------------|
|  <p>QF-Q19 (16T) (Gas Ball Valve)</p> | Product No. | |
| | PN | 1.6MPa(200psi) |
| | DN | ≥ Φ8mm |
| | Export Connection Type | Direct |
| | Pressure Test Standard | ISO5208 |
| | Suitable Medium | CNG GAS |
| | Surface Processing | Shot blasting or pickling |
| | Body Material | HPl59-1 |
| | Working Temperature | -30℃ ~ 120℃ |
| | Specifications | 1/2" |

GAS BALL VALVE SERIES


| | | | |
|---|------------|------------------------|------------|
|  <p>Male-female Ball Valves</p> | DN15(PN10) | PN | 1.0MPa |
| | | DN | 15 |
| | | Export Connection Type | 1/2" |
| | | Pressure Test Standard | ISO520S |
| | | Suitable Medium | CNG GAS |
| | | Surface Processing | Customized |
| | | Body Material | HPb59-1 |
| | | Working Temperature | -20°C~60°C |
| | | Specifications | 1/2" |


| | | | |
|---|--------|-------------------------|------------|
|  <p>Angle Ball Valves</p> | QL1/2M | PN | 1.0MPa |
| | | Export Connection Type | Direct |
| | | Inlet Connecting Thread | 1/2"BSP |
| | | Pressure Test Standard | ISO520S |
| | | Suitable Medium | CNG GAS |
| | | Surface Processing | Customized |
| | | Body Material | HPb59-1 |
| | | Working Temperature | -20°C~60°C |
| | | Specifications | 9.5*1/2 |


| | | | |
|--|---------|-------------------------|------------------------|
|  <p>Female Compression Ball Valves</p> | 10X1/2F | PN | 1050KPa |
| | | Export Connection Type | Compression Connection |
| | | Inlet Connecting Thread | 1/2"BSP |
| | | Pressure Test Standard | ISO520S |
| | | Suitable Medium | CNG GAS |
| | | Surface Processing | Customized |
| | | Body Material | HPb59-1 |
| | | Working Temperature | -20°C~60°C |
| | | Specifications | 10*1/2NPT or BSP |


| | | | |
|--|-------------|------------------------|------------|
|  <p>Female Ball Valves</p> | 1/2"F-1/2"F | PN | 1050KPa |
| | | DN | 15 |
| | | Export Connection Type | 1/2" |
| | | Pressure Test Standard | ISO520S |
| | | Suitable Medium | CNG GAS |
| | | Surface Processing | Customized |
| | | Body Material | HPb59-1 |
| | | Working Temperature | -20°C~60°C |
| | | Specifications | 1/2" |


GAS BALL VALVE SERIES

| | | | |
|---|-------|------------------------|------------------------|
|  <p>Compression Ball Valves</p> | 16x16 | PN | 1050KPa |
| | 18x18 | Export Connection Type | Compression Connection |
| | 20x20 | Pressure Test Standard | ISO520S |
| | 25x25 | Suitable Medium | CNG GAS |
| | 32x32 | Surface Processing | Customized |
| | | Body Material | HPb59-1 |
| | | Working Temperature | -20°C~60°C |
| | | Specifications | 16 |


| | | | |
|--|---------|--|--|
|  <p>Compression-Copper Connector</p> | 10*1/2" | | |
| | | | |
| | | | |
| | | | |
| | | | |


| | | | |
|--|------|--|--|
|  <p>Male-Copper Connector</p> | 1/2" | | |
| | | | |
| | | | |
| | | | |
| | | | |


| | | | |
|---|-------|------------------------|------------------|
|  <p>Press Ball Valves</p> | 10x10 | PN | 1050KPa |
| | 20X20 | Export Connection Type | Press Connection |
| | 25X25 | Pressure Test Standard | ISO520S |
| | 32X32 | Suitable Medium | CNG GAS |
| | | Surface Processing | Customized |
| | | Body Material | DZR |
| | | Working Temperature | -20°C~60°C |
| | | Specifications | 16~32 |


| | | | |
|---|-------------|-------------------------|------------------|
|  <p>Union-Press Ball Valves</p> | 20mmX 3/4 F | PN | 1050KPa |
| | 25mmX 3/4F | Export Connection Type | Press Connection |
| | | Inlet Connecting Thread | 3/4BSP |
| | | Pressure Test Standard | ISO520S |
| | | Suitable Medium | CNG GAS |
| | | Surface Processing | Customized |
| | | Body Material | HPb59-1 |
| | | Working Temperature | -20°C~60°C |
| | | Specifications | 20~25 |


GAS BALL VALVE SERIES

| | | | |
|---|------|------------------------|------------------|
|  Press Ball Valves | DN16 | PN | 4.0MPa |
| | DN20 | Export Connection Type | Press Connection |
| | DN25 | Pressure Test Standard | ISO520S |
| | | Suitable Medium | CNG GAS |
| | | Surface Processing | Customized |
| | | Body Material | HPb59-1 |
| | | Working Temperature | -20℃~60℃ |
| | | Specifications | 16~25 |


| | | | |
|--|----------------|------------------------|------------|
|  Male Compression Ball Valves | Q16*1/2M | PN | 1050KPa |
| | Q20*1/2M | DN | 15 |
| | | Export Connection Type | 1/2" |
| | | Pressure Test Standard | ISO520S |
| | | Suitable Medium | CNG GAS |
| | | Surface Processing | Customized |
| | | Body Material | HPb59-1 |
| | | Working Temperature | -20℃~60℃ |
| | Specifications | 1/2" | |


| | | | |
|---|----------|--|--|
|  Copper Tee connector | T3/S"CuF | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |


| | | | |
|---|--------------|--|--|
|  Female Copper Welding connector | S014F-3/4UNF | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |


| | | | |
|--|-------------|------------------------|------------------------|
|  Male-female union ball valve | Q3/4M-H3/4F | PN | 1050KPa |
| | Q1M-H1F | Export Connection Type | Export Connection Type |
| | | Pressure Test Standard | Pressure Test Standard |
| | | Suitable Medium | Suitable Medium |
| | | Surface Processing | Surface Processing |
| | | Body Material | Body Material |
| | | Working Temperature | Working Temperature |
| | | Specification | Specification |

GAS BALL VALVE SERIES

| | | | |
|--|----------|------------------------|------------|
|  Double female wall plated ball valve | Q1/2F(A) | PN | 1050Kpa |
| | Q3/4F(A) | Export Connection Type | 1/2 |
| | Q1F(A) | Pressure Test Standard | ISO520S |
| | | Suitable Medium | CNG GAS |
| | | Surface Processing | Customized |
| | | Body Material | HPb59-1 |
| | | Working Temperature | -20℃~60℃ |
| | | Specification | 1/2"~1" |

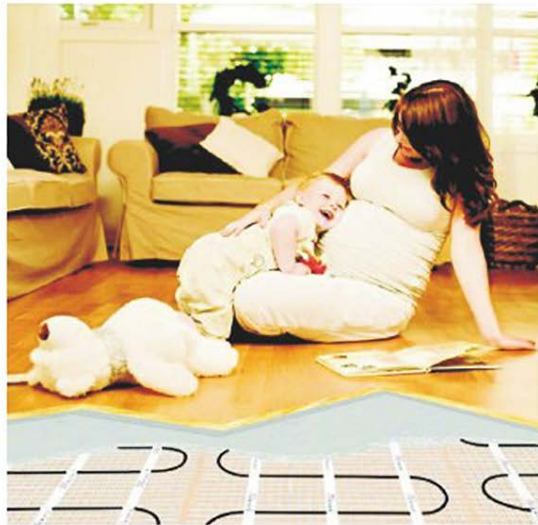
| | | | |
|--|---------|------------------------|------------|
|  Male and female angle ball valve | QL1/2FM | PN | 1050Kpa |
| | QL3/4FM | Export Connection Type | 3/4 |
| | QL1FM | Pressure Test Standard | ISO520S |
| | | Suitable Medium | CNG GAS |
| | | Surface Processing | Customized |
| | | Body Material | HPb59-1 |
| | | Working Temperature | -20℃~60℃ |
| | | Specification | 1/2"~1" |

| | | | |
|--|--------|------------------------|------------|
|  Double male angle ball valve | QL1/2M | PN | 1050Kpa |
| | QL3/4M | Export Connection Type | 3/4 |
| | QL1M | Pressure Test Standard | ISO520S |
| | | Suitable Medium | CNG GAS |
| | | Surface Processing | Customized |
| | | Body Material | HPb59-1 |
| | | Working Temperature | -20℃~60℃ |
| | | Specification | 1/2"~1" |

| | | | |
|---|--------|------------------------|------------------|
|  Double press wall plated ball valve | Q16(A) | PN | 1050Kpa |
| | Q20(A) | Export Connection Type | Press Connection |
| | Q25(A) | Pressure Test Standard | ISO520S |
| | Q32(A) | Suitable Medium | CNG GAS |
| | | Surface Processing | Customized |
| | | Body Material | HPb59-1 |
| | | Working Temperature | -20℃~60℃ |
| | | Specification | 16~32 |



MANIFOLDS



MANIFOLDS

Automatic Compartment Control Type Manifold



Technical Index

- Caliber: D25
- Nominal Pressure: PN10
- Applicable Medium: Water, Air
- Operating Voltage: AC24, 110V, 230V
- Power Consumption: 5W
- Room Temperature Control Range: 5-35°C (±2)
- Whole-Valve Opening Time: 3-5min

Product Features

The product adopts the automatic + manual + energy conservation + weekly program control. Water distributor and water collector are equipped with automatic exhaust valves and drain ball valves. Filter ball valves are installed on water distributor and temperature measurement loose joint ball valves are mounted on water collector. Every branch (area) is furnished with the temperature controller and electrical actuator. Different temperatures can be set. When the room temperature reaches the set temperature, the electrical actuator will be closed. When the room temperature is lower than the set temperature, the electrical actuator will be opened.

- High-density forging brass;
- The branch joint can use the compression simple joint, compression union $\Phi 16$ or $\Phi 20$;
- 2-12 branches can be available;
- The water collector can be equipped with the temperature measurement union ball valve, which is convenient to read the outlet temperature.

MANIFOLDS

Economic Manual Compartment Control Type Manifold



Technical Index




- Caliber: D25
- Nominal Pressure: PN10
- Applicable Medium: Water, Air
- Medium Temperature: 1-110°C (Not more than 35°C)
- Room Temperature Control Range: 5-35°C (±2)

Product Features


Energy conservation and environment protection water distributor and water collector are equipped with automatic exhaust valves and drain ball valves. On the inlet and outlet positions, the devices can be connected to many kinds of products like filter ball valves, locking side-filter ball valves and ball valves. The upper rod is furnished with the manual adjusting handle to adjust the flow rate and indoor temperature. The lower rod is equipped with the water flow regulator to observe the inflow rate and adjust the flow rate so as to reduce the cost and ensure the comfortable indoor environment.


- High-density forging brass;
- The branch joint can use the compression simple joint, compression union $\Phi 16$ or $\Phi 20$;
- 2-12 branches can be available;
- The water collector can be equipped with the temperature measurement union ball valve, which is convenient to read the outlet temperature.


MANIFOLDS

| Product | Code | Diameter |
|--|-------------------|--------------------|
|  <p>Manifolds Brass/Stainless Steel</p> | Spec. | Spec. |
| | ZFa1F s S20(10)-2 | ZFa1F s S20(10)-8 |
| | ZFa1F s S20(10)-3 | ZFa1F s S20(10)-9 |
| | ZFa1F s S20(10)-4 | ZFa1F s S20(10)-10 |
| | ZFa1F s S20(10)-5 | ZFa1F s S20(10)-11 |
| | ZFa1F s S20(10)-6 | ZFa1F s S20(10)-12 |
| | ZFa1F s S20(10)-7 | |
|  <p>Manifolds Brass/Stainless Steel</p> | Spec. | Spec. |
| | ZFa1F s S20(10)-2 | ZFa1F s S20(10)-8 |
| | ZFa1F s S20(10)-3 | ZFa1F s S20(10)-9 |
| | ZFa1F s S20(10)-4 | ZFa1F s S20(10)-10 |
| | ZFa1F s S20(10)-5 | ZFa1F s S20(10)-11 |
| | ZFa1F s S20(10)-6 | ZFa1F s S20(10)-12 |
| | ZFa1F s S20(10)-7 | |
|  <p>Manifolds Brass/Stainless Steel</p> | Spec. | Spec. |
| | ZFa1F s S20(10)-2 | ZFa1F s S20(10)-8 |
| | ZFa1F s S20(10)-3 | ZFa1F s S20(10)-9 |
| | ZFa1F s S20(10)-4 | ZFa1F s S20(10)-10 |
| | ZFa1F s S20(10)-5 | ZFa1F s S20(10)-11 |
| | ZFa1F s S20(10)-6 | ZFa1F s S20(10)-12 |
| | ZFa1F s S20(10)-7 | |


MANIFOLDS


| Produit | Code | Diameter |
|--|-------------------|--------------------|
|  <p>Manifolds Brass/Stainless Steel</p> | Spec. | Spec. |
| | ZFa1F s S20(10)-2 | ZFa1F s S20(10)-8 |
| | ZFa1F s S20(10)-3 | ZFa1F s S20(10)-9 |
| | ZFa1F s S20(10)-4 | ZFa1F s S20(10)-10 |
| | ZFa1F s S20(10)-5 | ZFa1F s S20(10)-11 |
| | ZFa1F s S20(10)-6 | ZFa1F s S20(10)-12 |
| | ZFa1F s S20(10)-7 | |
| | | |


| Produit | Code | Diameter |
|---|--------------------|--------------|
|  <p>Integral Forged Manifolds</p> | Spec. | Spec. |
| | ZFa1F s S20(10)-2 | MAN25F*20-1 |
| | ZFa1F s S20(10)-3 | MAN25F*20-2 |
| | ZFa1F s S20(10)-4 | MAN25F*20-3 |
| | ZFa1F s S20(10)-5 | MAN25F*20-4 |
| | ZFa1F s S20(10)-6 | MAN25F*20-5 |
| | ZFa1F s S20(10)-7 | MAN25F*20-6 |
| | ZFa1F s S20(10)-8 | MAN25F*20-7 |
| | ZFa1F s S20(10)-9 | MAN25F*20-8 |
| | ZFa1F s S20(10)-10 | MAN25F*20-9 |
| | ZFa1F s S20(10)-11 | MAN25F*20-10 |
| | ZFa1F s S20(10)-12 | |

| Produit | Code | Diameter |
|--|--------------|-------------|
|  <p>Integral Forged Manifolds</p> | Spec. | Spec. |
| | MAN32F*10-1 | MAN32F*20-1 |
| | MAN32F*10-2 | MAN32F*20-2 |
| | MAN32F*10-3 | MAN32F*20-3 |
| | MAN32F*10-4 | MAN32F*20-4 |
| | MAN32F*10-5 | MAN32F*20-5 |
| | MAN32F*10-6 | MAN32F*20-6 |
| | MAN32F*10-7 | MAN32F*20-7 |
| | MAN32F*10-8 | MAN32F*20-8 |
| | MAN32F*10-9 | MAN32F*20-9 |
| MAN32F*10-10 | MAN32F*20-10 | |


MANIFOLDS

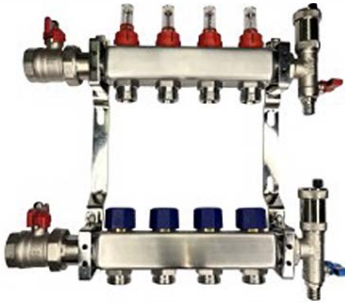
| Produit | Code | Diameter |
|--|-------------|-------------|
|  <p>Integral Forged Manifolds (with Locking Valves And Hand Wheels)</p> | Spec. | Spec. |
| | MAN25F*10-2 | MAN25F*20-2 |
| | MAN25F*10-3 | MAN25F*20-3 |
| | MAN25F*10-4 | MAN25F*20-4 |
| | MAN25F*10-5 | MAN25F*20-5 |
| | MAN25F*10-6 | MAN25F*20-6 |
| | MAN25F*10-7 | MAN25F*20-7 |
| | MAN25F*10-8 | MAN25F*20-8 |

| Produit | Code | Diameter |
|---|-------------|-------------|
|  <p>Integral Forged Manifolds (with Locking Valves And Hand Wheels)</p> | Spec. | Spec. |
| | MAN25F*10-2 | MAN25F*20-2 |
| | MAN25F*10-3 | MAN25F*20-3 |
| | MAN25F*10-4 | MAN25F*20-4 |
| | MAN25F*10-5 | MAN25F*20-5 |
| | MAN25F*10-6 | MAN25F*20-6 |
| | MAN25F*10-7 | MAN25F*20-7 |
| | MAN25F*10-8 | MAN25F*20-8 |

| Produit | Code | Diameter |
|--|-------------|-------------|
|  <p>Integral Forged Autocontrol Manifolds (with Locking Valves)</p> | Spec. | Spec. |
| | MAN25F*10-2 | MAN25F*20-2 |
| | MAN25F*10-3 | MAN25F*20-3 |
| | MAN25F*10-4 | MAN25F*20-4 |
| | MAN25F*10-5 | MAN25F*20-5 |
| | MAN25F*10-6 | MAN25F*20-6 |
| | MAN25F*10-7 | MAN25F*20-7 |
| | MAN25F*10-8 | MAN25F*20-8 |

MANIFOLDS

| Produit | Code | Diameter |
|--|--------------|--------------|
|  <p>Integral Forged Manifolds</p> | MAN25F*16-2 | MAN25F*20-2 |
| | MAN25F*16-3 | MAN25F*20-3 |
| | MAN25F*16-4 | MAN25F*20-4 |
| | MAN25F*16-5 | MAN25F*20-5 |
| | MAN25F*16-6 | MAN25F*20-6 |
| | MAN25F*16-7 | MAN25F*20-7 |
| | MAN25F*16-8 | MAN25F*20-8 |
| | MAN25F*16-9 | MAN25F*20-9 |
| | MAN25F*16-10 | MAN25F*20-10 |
| | | |

| | | |
|--|-----------------------------------|--|
|  | Stainless steel Manifold-2(Q20B) | |
| | Stainless steel Manifold-3(Q20B) | |
| | Stainless steel Manifold-4(Q20B) | |
| | Stainless steel Manifold-5(Q20B) | |
| | Stainless steel Manifold-6(Q20B) | |
| | Stainless steel Manifold-7(Q20B) | |
| | Stainless steel Manifold-8(Q20B) | |
| | Stainless steel Manifold-9(Q20B) | |
| | Stainless steel Manifold-10(Q20B) | |
| | Stainless steel Manifold-11(Q20B) | |
| | Stainless steel Manifold-12(Q20B) | |

| | | |
|---|-------------------------------|--|
|  | Stainless steel Manifold-2-F | |
| | Stainless steel Manifold-3-F | |
| | Stainless steel Manifold-4-F | |
| | Stainless steel Manifold-5-F | |
| | Stainless steel Manifold-6-F | |
| | Stainless steel Manifold-7-F | |
| | Stainless steel Manifold-8-F | |
| | Stainless steel Manifold-9-F | |
| | Stainless steel Manifold-10-F | |
| | Stainless steel Manifold-11-F | |
| | Stainless steel Manifold-12-F | |

MANIFOLDS

| Produit | Code | Diameter |
|---|-------------------------------|----------|
|  | Stainless steel Manifold-2-M | |
| | Stainless steel Manifold-3-M | |
| | Stainless steel Manifold-4-M | |
| | Stainless steel Manifold-5-M | |
| | Stainless steel Manifold-6-M | |
| | Stainless steel Manifold-7-M | |
| | Stainless steel Manifold-8-M | |
| | Stainless steel Manifold-9-M | |
| | Stainless steel Manifold-10-M | |
| | Stainless steel Manifold-11-M | |
| | Stainless steel Manifold-12-M | |

| Spec. | Spec. |
|------------|-------------|
| Manifold-2 | MF3/4-BM1/2 |
| Manifold-3 | MF3/4-BM1/2 |
| Manifold-4 | MF3/4-BM1/2 |
| | |
| | |

| Spec. | Spec. |
|------------|-------------|
| Manifold-2 | MF3/4-BM1/2 |
| Manifold-3 | MF3/4-BM1/2 |
| Manifold-4 | MF3/4-BM1/2 |
| | |
| | |

| |
|----------------|
| F3/4FM-Q1/2M-2 |
| F3/4FM-Q1/2M-3 |
| F3/4FM-Q1/2M-4 |
| F1FM-Q1/2M-2 |
| F1FM-Q1/2M-3 |
| F1FM-Q1/2M-4 |
| |
| |




TOOLS



TOOLS

| Product | Model No. | Spec. |
|--|-----------|----------|
|  <p>Joining Tool</p> | | |
| | | |
| | | |
| | | |
| | | |
|  <p>Expander</p> | | |
| | | |
| | | |
| | | |
| | | |
|  <p>Handy Clamp</p> | | 10 |
| | | 18 |
| | | 20 |
| | | 10-32 |
| | | |
|  <p>Hand Clamp</p> | | MS-1020A |
| | | |
| | | |
| | | |
| | | |

TOOLS

| Product | Model No. | Spec. |
|---|-----------|-----------|
|  Hand Clamp | | MS-1o20B |
| | | |
| | | |
| | | |
| | | |
|  Hand Clamp | | MS-1o32A |
| | | |
| | | |
| | | |
| | | |
|  Hand Clamp | | MS-1o32AF |
| | | |
| | | |
| | | |
| | | |
|  Hand Clamp | | MS-1o32B |
| | | |
| | | |
| | | |
| | | |
|  Hand Clamp | | MS-1o32BF |
| | | |
| | | |
| | | |
| | | |


TOOLS

| Product | Model No. | Spec. |
|---|-----------|--------------|
|  Manual Hydraulic Clamp | | 1o-32 (II) |
| | | |
| | 30202 | 1o-o3 (I) |
| | | |
| | | |
|  Fusion Machine | | 20-o3 |
| | | 75-110 |
| | | |
| | | |
| | | |
|  Fusion Machine | | 20-o3 |
| | | |
| | | |
| | | |
| | | |
|  Inner Spring | | 1o |
| | | 1S |
| | | 20 |
| | | 25 |
| | | 32 |
|  Pressure Test Pump | | |
| | | |
| | | |
| | | |
| | | |

TOOLS

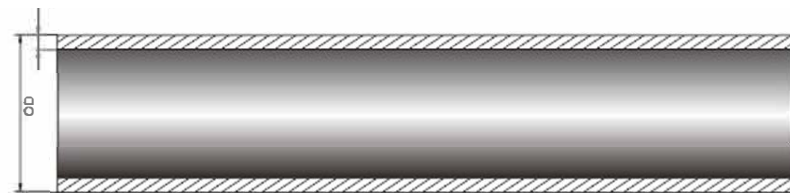
| Product | Model No. | Spec. |
|---|-----------|-------|
|  <p>Outer Spring</p> | | 16 |
| | | 18 |
| | | 20 |
| | | 25 |
| | | 32 |
|  <p>Pipe Cutter</p> | | 10-63 |
| | | |
| | | |
| | | |
| | | |
|  <p>Pipe Shear</p> | | 10-32 |
| | | |
| | | |
| | | |
| | | |
|  <p>Pipe Shear</p> | | 10-32 |
| | | |
| | | |
| | | |
| | | |
|  <p>Shears</p> | | |
| | | |
| | | |
| | | |
| | | |

TOOLS

| Product | Model No. | Spec. |
|--|-----------|-------|
|  <p>Reamer</p> | | 16 |
| | | 18 |
| | | 20 |
| | | 25 |
| | | 32 |
|  <p>Reamer</p> | | 16 |
| | | 18 |
| | | 20 |
| | | 25 |
| | | 32 |
|  <p>Plastic Reamer</p> | | 16-20 |
| | | 20-32 |
| | | |
| | | |
| | | |
|  <p>Rounding Tool</p> | | 10-32 |
| | | |
| | | |
| | | |
| | | |
|  <p>Portable Decoiler</p> | | |
| | | |
| | | |
| | | |
| | | |

STAINLESS STEEL PIPE & FITTING

(BS EN 10312:2002)



STAINLESS STEEL PIPE

| Stainless Steel Material List | | | | | | | | | | | |
|-------------------------------|-------------|-----------------|----------------|------------------------|-------|-------|---------|---------|-------------|-------------|-----------|
| CHINA (GB) | JAPAN (JIS) | GERMANY (DIN) | AMERICA (ASTM) | CHEMICAL COMPOSITION % | | | | | | | |
| | | | | C | Si | Mn | P (max) | S (max) | Ni | Cr | Mo |
| 06Cr19Ni10 | SUS 304 | X5CrNi18-10 | ASTM 304 | ≤0.08 | ≤0.75 | ≤2.00 | 0.04 | 0.03 | 8.00-11.00 | 18.00-20.00 | - |
| 022Cr19Ni10 | SUS 304L | X2CrNi18-10 | ASTM 304L | ≤0.035 | ≤0.75 | ≤2.00 | 0.04 | 0.03 | 8.00-13.00 | 18.00-20.00 | - |
| 06Cr17Ni12Mo2 | SUS 316 | X5CrNiMo17-12-2 | ASTM 316 | ≤0.08 | ≤0.75 | ≤2.00 | 0.04 | 0.03 | 11.00-14.00 | 16.00-18.00 | 2.00-3.00 |
| 022Cr17Ni12Mo2 | SUS 316L | X2CrNiMo17-12-2 | ASTM 316L | ≤0.035 | ≤0.75 | ≤2.00 | 0.04 | 0.03 | 10.00-15.00 | 16.00-18.00 | 2.00-3.00 |

| Carbon Steel Material List | | | | | | | | | |
|----------------------------|-------------|---------------|----------------|------------------------|------|------|------|---------|---------|
| CHINA (GB) | JAPAN (JIS) | GERMANY (DIN) | AMERICA (ASTM) | CHEMICAL COMPOSITION % | | | | | |
| | | | | Type of Deoxidation | C | Si | Mn | P (max) | S (max) |
| Q195 | SS330 | S185 | 1010 | F,Z | 0.12 | 0.30 | 0.50 | 0.035 | 0.040 |
| Q215A | SS330 | US134-2 | 1017 | F,Z | 0.15 | 0.35 | 1.20 | 0.045 | 0.050 |
| Q235A | SS400 | S235JR | 1020 | F,Z | 0.22 | 0.35 | 1.40 | 0.045 | 0.050 |

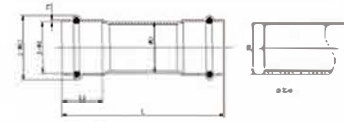
| The Specification of Pipe | | | | |
|---------------------------|-------|----------------|------|----------------|
| BS EN 10312:2002 | | | | |
| Nominal Size (mm) | OD | Tolerance on D | Wall | Tolerance on D |
| 10 | 12 | ±0.10 | 1.0 | ±0.10 |
| 12 | 15 | ±0.10 | 1.0 | ±0.10 |
| 15 | 18 | ±0.10 | 1.0 | ±0.10 |
| 20 | 22 | ±0.11 | 1.2 | ±0.10 |
| 25 | 28 | ±0.14 | 1.2 | ±0.10 |
| 32 | 35 | ±0.18 | 1.5 | ±0.10 |
| 40 | 42 | ±0.21 | 1.5 | ±0.10 |
| 50 | 54 | ±0.32 | 1.5 | ±0.10 |
| 65 | 76.1 | ±0.38 | 2.0 | ±0.15 |
| 80 | 88.9 | ±0.44 | 2.0 | ±0.15 |
| 100 | 108.0 | ±0.54 | 2.0 | ±0.15 |

STAINLESS STEEL FITTING [V-PRESS]

(BS EN 10312:2002)

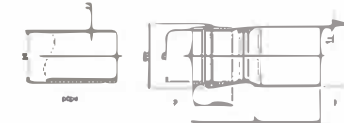


STAINLESS STEEL FITTING



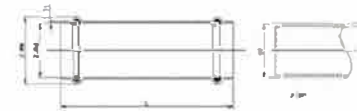
Equal Coupling

| Code | Nominal Size(mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------|---------|---------|---------|
| | 12 | 1.3/1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |
| | 25 | 1.5 | 28 | 1.2 |
| | 32 | 1.5 | 35 | 1.5 |
| | 40 | 1.5 | 42 | 1.5 |
| | 50 | 1.5 | 54 | 1.5 |
| | 65 | 2.0/2.5 | 78.1 | 2.0 |
| | 80 | 2.0/2.5 | 88.9 | 2.0 |
| | 100 | 2.0/2.5 | 108 | 2.0 |



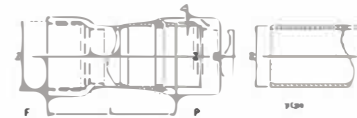
Reducer Adapter with Plain End

| Code | Nominal Size(mm) LxP | D (mm) | T1 (mm) | T2 (mm) |
|------|----------------------|--------|---------|---------|
| | 15x12 | 18 | 1.5 | 1.0 |
| | 20x15 | 22 | 1.5 | 1.0 |
| | 25x15 | 28 | 1.5 | 1.0 |
| | 25x20 | 28 | 1.5 | 1.2 |
| | 32x20 | 35 | 1.5 | 1.2 |
| | 32x25 | 35 | 1.5 | 1.2 |
| | 40x20 | 42 | 1.5 | 1.2 |
| | 40x25 | 42 | 1.5 | 1.2 |
| | 40x32 | 42 | 1.5 | 1.5 |
| | 50x25 | 54 | 1.5 | 1.2 |
| | 50x32 | 54 | 1.5 | 1.5 |
| | 50x40 | 54 | 1.5 | 1.5 |



Slip Coupling

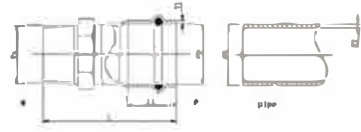
| Code | Nominal Size(mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------|---------|---------|---------|
| | 12 | 1.3/1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |
| | 25 | 1.5 | 28 | 1.2 |
| | 32 | 1.5 | 35 | 1.5 |
| | 40 | 1.5 | 42 | 1.5 |
| | 50 | 1.5 | 54 | 1.5 |



Adapter with Female Threaded End

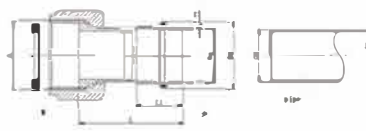
| Code | Nominal Size(mm) PxF | T1 (mm) | DW (mm) | T2 (mm) |
|------|----------------------|---------|---------|---------|
| | 12x 1/2 | 1.3/1.5 | 15 | 1.0 |
| | 15x 1/2 | 1.5 | 18 | 1.0 |
| | 15x 3/4 | 1.5 | 18 | 1.0 |
| | 20x 1/2 | 1.5 | 22 | 1.2 |
| | 20x 3/4 | 1.5 | 22 | 1.2 |
| | 25x 1 | 1.5 | 28 | 1.2 |
| | 32x 1-1/4 | 1.5 | 35 | 1.5 |
| | 40x 1-1/2 | 1.5 | 42 | 1.5 |
| | 50x 2 | 1.5 | 54 | 1.5 |

STAINLESS STEEL FITTING



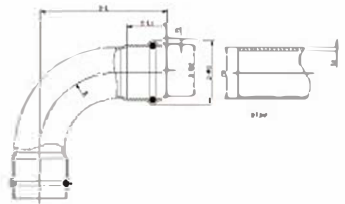
Adapter with Male Threaded End

| Code | Nominal Size(mm) P x I | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------------|---------|---------|---------|
| | 12x1/2 | 1.3/1.5 | 15 | 1.0 |
| | 15x1/2 | 1.5 | 18 | 1.0 |
| | 15x3/4 | 1.5 | 18 | 1.0 |
| | 20x1/2 | 1.5 | 22 | 1.2 |
| | 20x3/4 | 1.5 | 22 | 1.2 |
| | 25x1 | 1.5 | 28 | 1.2 |
| | 32x1-1/4 | 1.5 | 35 | 1.5 |
| | 40x1-1/2 | 1.5 | 42 | 1.5 |
| | 50x2 | 1.5 | 54 | 1.5 |



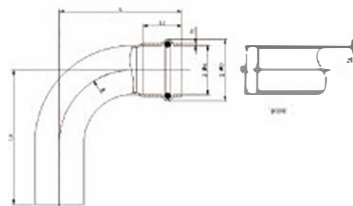
Adapter with Union Nut

| Code | Nominal Size(mm) P x N | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------------|---------|---------|---------|
| | 12x1/2 | 1.3/1.5 | 15 | 1.0 |
| | 15x1/2 | 1.5 | 18 | 1.0 |
| | 15x3/4 | 1.5 | 18 | 1.0 |
| | 20x1/2 | 1.5 | 22 | 1.2 |
| | 20x3/4 | 1.5 | 22 | 1.2 |
| | 20x1 | 1.5 | 22 | 1.2 |
| | 25x1 | 1.5 | 28 | 1.2 |
| | 32x1-1/4 | 1.5 | 35 | 1.5 |
| | 40x1-1/2 | 1.5 | 42 | 1.5 |
| | 50x2 | 1.5 | 54 | 1.5 |



Elbow 90°

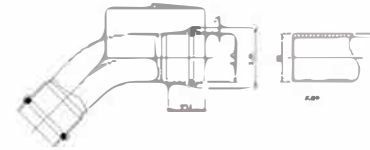
| Code | Nominal Size(mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------|---------|---------|---------|
| | 12 | 1.3/1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |
| | 25 | 1.5 | 28 | 1.2 |
| | 32 | 1.5 | 35 | 1.5 |
| | 40 | 1.5 | 42 | 1.5 |
| | 50 | 1.5 | 54 | 1.5 |
| | 65 | 2.0/2.5 | 76.1 | 2.0 |
| | 80 | 2.0/2.5 | 88.9 | 2.0 |
| | 100 | 2.0/2.5 | 108 | 2.0 |



Elbow 90° with Plain End

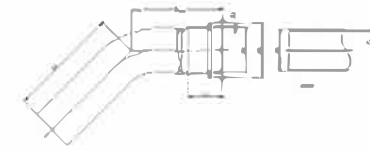
| Code | Nominal Size(mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------|---------|---------|---------|
| | 12 | 1.3/1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |
| | 25 | 1.5 | 28 | 1.2 |
| | 32 | 1.5 | 35 | 1.5 |
| | 40 | 1.5 | 42 | 1.5 |
| | 50 | 1.5 | 54 | 1.5 |
| | 65 | 2.0/2.5 | 76.1 | 2.0 |
| | 80 | 2.0/2.5 | 88.9 | 2.0 |
| | 100 | 2.0/2.5 | 108 | 2.0 |

STAINLESS STEEL FITTING



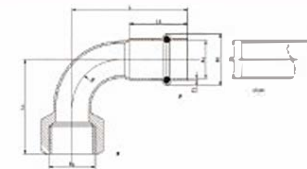
Elbow 45°

| Code | Nominal Size(mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------|---------|---------|---------|
| | 12 | 1.3/1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |
| | 25 | 1.5 | 28 | 1.2 |
| | 32 | 1.5 | 35 | 1.5 |
| | 40 | 1.5 | 42 | 1.5 |
| | 50 | 1.5 | 54 | 1.5 |
| | 65 | 2.0/2.5 | 76.1 | 2.0 |
| | 80 | 2.0/2.5 | 88.9 | 2.0 |
| | 100 | 2.0/2.5 | 108 | 2.0 |



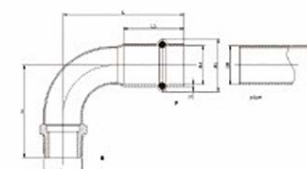
Elbow 45° with Plain End

| Code | Nominal Size(mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------|---------|---------|---------|
| | 12 | 1.3/1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |
| | 25 | 1.5 | 28 | 1.2 |
| | 32 | 1.5 | 35 | 1.5 |
| | 40 | 1.5 | 42 | 1.5 |
| | 50 | 1.5 | 54 | 1.5 |
| | 65 | 2.0/2.5 | 76.1 | 2.0 |
| | 80 | 2.0/2.5 | 88.9 | 2.0 |
| | 100 | 2.0/2.5 | 108 | 2.0 |



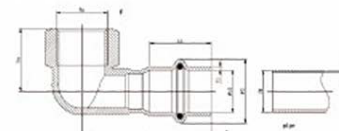
Elbow 90° with Female Threaded End

| Code | Nominal Size(mm) P x F | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------------|---------|---------|---------|
| | 12x1/2 | 1.3/1.5 | 15 | 1.0 |
| | 15x1/2 | 1.5 | 18 | 1.0 |
| | 15x3/4 | 1.5 | 18 | 1.0 |
| | 20x3/4 | 1.5 | 22 | 1.2 |
| | 25x1 | 1.5 | 28 | 1.2 |
| | 32x1-1/4 | 1.5 | 35 | 1.5 |
| | 40x1-1/2 | 1.5 | 42 | 1.5 |
| | 50x2 | 1.5 | 54 | 1.5 |



Elbow 90° with Male Threaded End

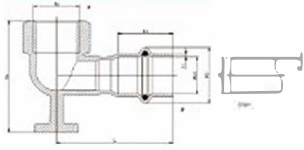
| Code | Nominal Size(mm) P x M | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------------|---------|---------|---------|
| | 12x1/2 | 1.3/1.5 | 15 | 1.0 |
| | 15x1/2 | 1.5 | 18 | 1.0 |
| | 15x3/4 | 1.5 | 18 | 1.0 |
| | 20x3/4 | 1.5 | 22 | 1.2 |
| | 25x1 | 1.5 | 28 | 1.2 |
| | 32x1-1/4 | 1.5 | 35 | 1.5 |
| | 40x1-1/2 | 1.5 | 42 | 1.5 |
| | 50x2 | 1.5 | 54 | 1.5 |



Short Tangent Elbow 90° with Female Threaded End

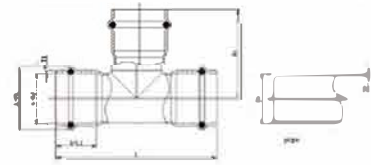
| Code | Nominal Size(mm) P x F | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------------|---------|---------|---------|
| | 12x1/2 | 1.3/1.5 | 15 | 1.0 |
| | 15x1/2 | 1.5 | 18 | 1.0 |
| | 15x3/4 | 1.5 | 18 | 1.0 |
| | 20x3/4 | 1.5 | 22 | 1.2 |
| | 25x1 | 1.5 | 28 | 1.2 |
| | 32x1-1/4 | 1.5 | 35 | 1.5 |
| | 40x1-1/2 | 1.5 | 42 | 1.5 |
| | 50x2 | 1.5 | 54 | 1.5 |

STAINLESS STEEL FITTING



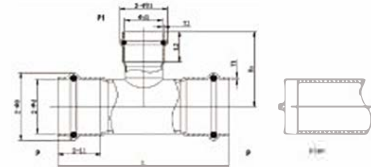
90°Elbow with Wall Plate/Seat

| Code | Nominal Size(mm) PxF | T1 (mm) | DW (mm) | T2 (mm) |
|------|----------------------|---------|---------|---------|
| | 12x1/2 | 1.3/1.5 | 15 | 1.0 |
| | 15x1/2 | 1.5 | 18 | 1.0 |
| | 15x3/4 | 1.5 | 18 | 1.0 |
| | 20x3/4 | 1.5 | 22 | 1.2 |
| | 25x1 | 1.5 | 28 | 1.2 |



Equal Tee

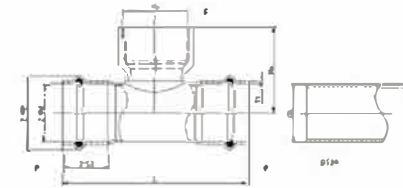
| Code | Nominal Size(mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------|---------|---------|---------|
| | 12 | 1.3/1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |
| | 25 | 1.5 | 28 | 1.2 |
| | 32 | 1.5 | 35 | 1.5 |
| | 40 | 1.5 | 42 | 1.5 |
| | 50 | 1.5 | 54 | 1.5 |
| | 65 | 2.0/2.5 | 76.1 | 2.0 |
| | 80 | 2.0/2.5 | 88.9 | 2.0 |
| | 100 | 2.0/2.5 | 108 | 2.0 |



Reducer Tee

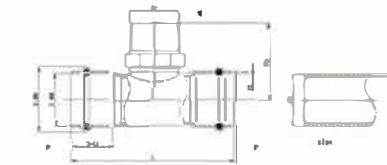
| Code | Nominal Size(mm) P ₁ xF ₁ xP ₂ | T1 (mm) | DW (mm) | T2 (mm) |
|------|---|---------|---------|---------|
| | 15x12x15 | 1.5 | 18 | 1.3/1.5 |
| | 20x12x20 | 1.5 | 22 | 1.3/1.5 |
| | 20x15x20 | 1.5 | 22 | 1.5 |
| | 25x12x25 | 1.5 | 28 | 1.3/1.5 |
| | 25x15x25 | 1.5 | 28 | 1.5 |
| | 25x20x25 | 1.5 | 28 | 1.5 |
| | 32x20x32 | 1.5 | 35 | 1.5 |
| | 32x25x32 | 1.5 | 35 | 1.5 |
| | 40x20x40 | 1.5 | 42 | 1.5 |
| | 40x25x40 | 1.5 | 42 | 1.5 |
| | 40x32x40 | 1.5 | 42 | 1.5 |
| | 50x20x50 | 1.5 | 54 | 1.5 |
| | 50x25x50 | 1.5 | 54 | 1.5 |
| | 50x32x50 | 1.5 | 54 | 1.5 |
| | 50x40x50 | 1.5 | 54 | 1.5 |
| | 65x20x65 | 2.0/2.5 | 76.1 | 1.5 |
| | 65x25x65 | 2.0/2.5 | 76.1 | 1.5 |
| | 65x32x65 | 2.0/2.5 | 76.1 | 1.5 |
| | 65x40x65 | 2.0/2.5 | 76.1 | 1.5 |
| | 65x50x65 | 2.0/2.5 | 76.1 | 1.5 |
| | 80x20x80 | 2.0/2.5 | 88.9 | 1.5 |
| | 80x25x80 | 2.0/2.5 | 88.9 | 1.5 |
| | 80x32x80 | 2.0/2.5 | 88.9 | 1.5 |
| | 80x40x80 | 2.0/2.5 | 88.9 | 1.5 |
| | 80x50x80 | 2.0/2.5 | 88.9 | 1.5 |
| | 80x65x80 | 2.0/2.5 | 88.9 | 2.0 |
| | 100x20x100 | 1.5 | 108 | 1.5 |
| | 100x25x100 | 1.5 | 108 | 1.5 |
| | 100x32x100 | 1.5 | 108 | 1.5 |
| | 100x40x100 | 1.5 | 108 | 1.5 |
| | 100x50x100 | 2.0/2.5 | 108 | 1.5 |
| | 100x65x100 | 2.0/2.5 | 108 | 2.0 |
| | 100x80x100 | 2.0/2.5 | 108 | 2.0 |

STAINLESS STEEL FITTING



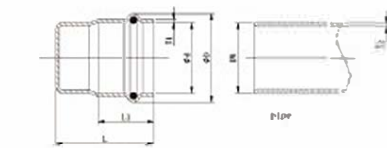
Tee with Female Threaded Branch

| Code | Nominal Size(mm) PxFxP | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------------|---------|---------|---------|
| | 12x1/2x12 | 1.3/1.5 | 15 | 1.0 |
| | 15x1/2x15 | 1.5 | 18 | 1.0 |
| | 20x1/2x20 | 1.5 | 22 | 1.2 |
| | 20x3/4x20 | 1.5 | 22 | 1.2 |
| | 25x1/2x25 | 1.5 | 28 | 1.2 |
| | 25x3/4x25 | 1.5 | 28 | 1.2 |
| | 25x1x25 | 1.5 | 28 | 1.2 |
| | 32x1/2x32 | 1.5 | 35 | 1.5 |
| | 32x3/4x32 | 1.5 | 35 | 1.5 |
| | 32x1x32 | 1.5 | 35 | 1.5 |
| | 32x1-1/4x32 | 1.5 | 35 | 1.5 |
| | 40x1-1/2x40 | 1.5 | 42 | 1.5 |
| | 50x2x50 | 1.5 | 54 | 1.5 |



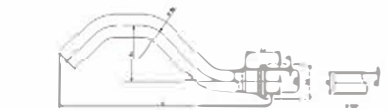
Tee with Male Threaded Branch

| Code | Nominal Size(mm) P ₁ xF ₁ xP ₂ | T1 (mm) | DW (mm) | T2 (mm) |
|------|---|---------|---------|---------|
| | 12x1/2x12 | 1.3/1.5 | 15 | 1.0 |
| | 15x1/2x15 | 1.5 | 18 | 1.0 |
| | 20x1/2x20 | 1.5 | 22 | 1.2 |
| | 20x3/4x20 | 1.5 | 22 | 1.2 |
| | 25x1/2x25 | 1.5 | 28 | 1.2 |
| | 25x3/4x25 | 1.5 | 28 | 1.2 |
| | 25x1x25 | 1.5 | 28 | 1.2 |
| | 32x1/2x32 | 1.5 | 35 | 1.5 |
| | 32x3/4x32 | 1.5 | 35 | 1.5 |
| | 32x1x32 | 1.5 | 35 | 1.5 |
| | 32x1-1/4x32 | 1.5 | 35 | 1.5 |
| | 40x1-1/2x40 | 1.5 | 42 | 1.5 |
| | 50x2x50 | 1.5 | 54 | 1.5 |



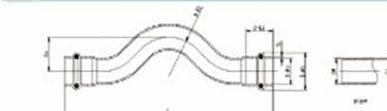
Cap

| Code | Nominal Size(mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------|---------|---------|---------|
| | 12 | 1.3/1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |
| | 25 | 1.5 | 28 | 1.2 |
| | 32 | 1.5 | 35 | 1.5 |
| | 40 | 1.5 | 42 | 1.5 |
| | 50 | 1.5 | 54 | 1.5 |



Single end Bridge

| Code | Nominal Size(mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------|---------|---------|---------|
| | 12 | 1.3/1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |



Bridge

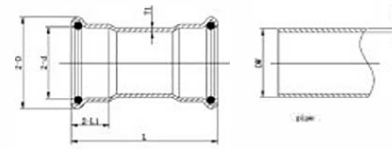
| Code | Nominal Size(mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------|---------|---------|---------|
| | 12 | 1.3/1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |

STAINLESS STEEL FITTING [M-PRESS]

(BS EN 10312:2002)

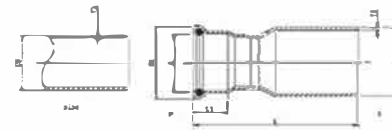


STAINLESS STEEL FITTING



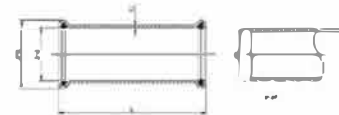
Equal Coupling

| Code | Nominal Size (mm) | T1 (mm) | D _N (mm) | D _N (mm) |
|------|-------------------|---------|---------------------|---------------------|
| | 12 | 1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |
| | 25 | 1.5 | 28 | 1.2 |
| | 32 | 1.5 | 35 | 1.5 |
| | 40 | 1.5 | 42 | 1.5 |
| | 50 | 1.5 | 54 | 1.5 |
| | 65 | 2.0/2.5 | 76.1 | 2.0 |
| | 80 | 2.0/2.5 | 88.9 | 2.0 |
| | 100 | 2.0/2.5 | 108 | 2.0 |



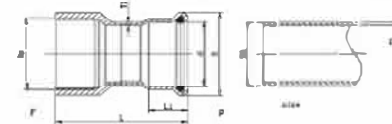
Reducer Adapter with Plain End

| Code | Nominal Size (mm) P x P | D (mm) | T1 (mm) | T2 (mm) |
|------|-------------------------|--------|---------|---------|
| | 15x12 | 18 | 1.5 | 1.0 |
| | 20x15 | 22 | 1.5 | 1.0 |
| | 25x15 | 28 | 1.5 | 1.0 |
| | 25x20 | 28 | 1.5 | 1.2 |
| | 32x20 | 35 | 1.5 | 1.2 |
| | 32x25 | 35 | 1.5 | 1.2 |
| | 40x20 | 42 | 1.5 | 1.2 |
| | 40x25 | 42 | 1.5 | 1.2 |
| | 40x32 | 42 | 1.5 | 1.5 |
| | 50x25 | 54 | 1.5 | 1.2 |
| | 50x32 | 54 | 1.5 | 1.5 |
| | 50x40 | 54 | 1.5 | 1.5 |



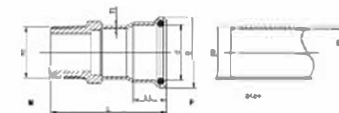
Slip Coupling

| Code | Nominal Size (mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|-------------------|---------|---------|---------|
| | 12 | 1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |
| | 25 | 1.5 | 28 | 1.2 |
| | 32 | 1.5 | 35 | 1.5 |
| | 40 | 1.5 | 42 | 1.5 |
| | 50 | 1.5 | 54 | 1.5 |



Adapter with Female Threaded End

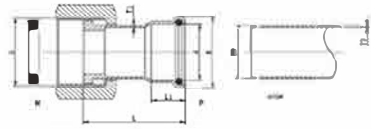
| Code | Nominal Size (mm) P x F | T1 (mm) | DW (mm) | T2 (mm) |
|------|-------------------------|---------|---------|---------|
| | 12x1/2 | 1.5 | 15 | 1.0 |
| | 15x1/2 | 1.5 | 18 | 1.0 |
| | 15x3/4 | 1.5 | 18 | 1.0 |
| | 20x1/2 | 1.5 | 22 | 1.2 |
| | 20x3/4 | 1.5 | 22 | 1.2 |
| | 25x1 | 1.5 | 28 | 1.2 |
| | 32x1-1/4 | 1.5 | 35 | 1.5 |
| | 40x1-1/2 | 1.5 | 42 | 1.5 |
| | 50x2 | 1.5 | 54 | 1.5 |



Adapter with Male Threaded End

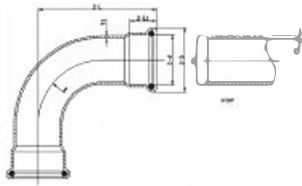
| Code | Nominal Size (mm) P x M | T1 (mm) | DW (mm) | T2 (mm) |
|------|-------------------------|---------|---------|---------|
| | 12x1/2 | 1.5 | 15 | 1.0 |
| | 15x1/2 | 1.5 | 18 | 1.0 |
| | 15x3/4 | 1.5 | 18 | 1.0 |
| | 20x1/2 | 1.5 | 22 | 1.2 |
| | 20x3/4 | 1.5 | 22 | 1.2 |
| | 25x1 | 1.5 | 28 | 1.2 |
| | 32x1-1/4 | 1.5 | 35 | 1.5 |
| | 40x1-1/2 | 1.5 | 42 | 1.5 |
| | 50x2 | 1.5 | 54 | 1.5 |

STAINLESS STEEL FITTING



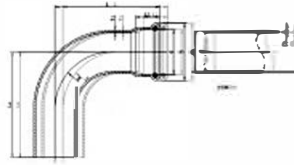
Adapter with Union Nut

| Code | Nominal Size(mm) P x N | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------------|---------|---------|---------|
| | 12x1/2 | 1.2 | 15 | 1.0 |
| | 15x1/2 | 1.2 | 18 | 1.0 |
| | 15x3/4 | 1.2 | 18 | 1.0 |
| | 20x1/2 | 1.5 | 22 | 1.2 |
| | 20x3/4 | 1.5 | 22 | 1.2 |
| | 20x1 | 1.5 | 22 | 1.2 |
| | 25x1 | 1.5 | 28 | 1.2 |
| | 32x1-1/4 | 1.5 | 35 | 1.5 |
| | 40x1-1/2 | 1.5 | 42 | 1.5 |
| | 50x2 | 1.5 | 54 | 1.5 |



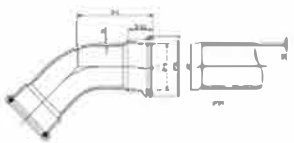
Elbow 90°

| Code | Nominal Size(mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------|---------|---------|---------|
| | 12 | 1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |
| | 25 | 1.5 | 28 | 1.2 |
| | 32 | 1.5 | 35 | 1.5 |
| | 40 | 1.5 | 42 | 1.5 |
| | 50 | 1.5 | 54 | 1.5 |
| | 65 | 2.0/2.5 | 76.1 | 2.0 |
| | 80 | 2.0/2.5 | 88.9 | 2.0 |
| | 100 | 2.0/2.5 | 108 | 2.0 |



Elbow 90° with Plain End

| Code | Nominal Size(mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------|---------|---------|---------|
| | 12 | 1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |
| | 25 | 1.5 | 28 | 1.2 |
| | 32 | 1.5 | 35 | 1.5 |
| | 40 | 1.5 | 42 | 1.5 |
| | 50 | 1.5 | 54 | 1.5 |
| | 65 | 2.0/2.5 | 76.1 | 2.0 |
| | 80 | 2.0/2.5 | 88.9 | 2.0 |
| | 100 | 2.0/2.5 | 108 | 2.0 |



Elbow 45°

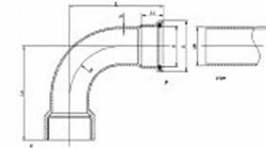
| Code | Nominal Size(mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------|---------|---------|---------|
| | 12 | 1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |
| | 25 | 1.5 | 28 | 1.2 |
| | 32 | 1.5 | 35 | 1.5 |
| | 40 | 1.5 | 42 | 1.5 |
| | 50 | 1.5 | 54 | 1.5 |
| | 65 | 2.0/2.5 | 76.1 | 2.0 |
| | 80 | 2.0/2.5 | 88.9 | 2.0 |
| | 100 | 2.0/2.5 | 108 | 2.0 |



Elbow 45° with Plain End

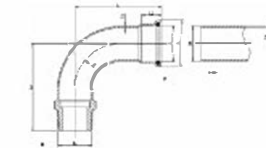
| Code | Nominal Size(mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------|---------|---------|---------|
| | 12 | 1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |
| | 25 | 1.5 | 28 | 1.2 |
| | 32 | 1.5 | 35 | 1.5 |
| | 40 | 1.5 | 42 | 1.5 |
| | 50 | 1.5 | 54 | 1.5 |
| | 65 | 2.0/2.5 | 76.1 | 2.0 |
| | 80 | 2.0/2.5 | 88.9 | 2.0 |
| | 100 | 2.0/2.5 | 108 | 2.0 |

STAINLESS STEEL FITTING



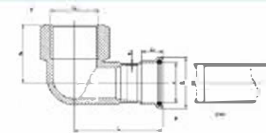
Elbow 90° with Female Threaded End

| Code | Nominal Size(mm) P x F | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------------|---------|---------|---------|
| | 12x1/2 | 1.5 | 15 | 1.0 |
| | 15x1/2 | 1.5 | 18 | 1.0 |
| | 15x3/4 | 1.5 | 18 | 1.0 |
| | 20x3/4 | 1.5 | 22 | 1.2 |
| | 25x1 | 1.5 | 28 | 1.2 |
| | 32x1-1/4 | 1.5 | 35 | 1.5 |
| | 40x1-1/2 | 1.5 | 42 | 1.5 |
| | 50x2 | 1.5 | 54 | 1.5 |



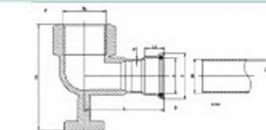
Elbow 90° with Male Threaded End

| Code | Nominal Size(mm) P x M | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------------|---------|---------|---------|
| | 12x1/2 | 1.5 | 15 | 1.0 |
| | 15x1/2 | 1.5 | 18 | 1.0 |
| | 15x3/4 | 1.5 | 18 | 1.0 |
| | 20x3/4 | 1.5 | 22 | 1.2 |
| | 25x1 | 1.5 | 28 | 1.2 |
| | 32x1-1/4 | 1.5 | 35 | 1.5 |
| | 40x1-1/2 | 1.5 | 42 | 1.5 |
| | 50x2 | 1.5 | 54 | 1.5 |



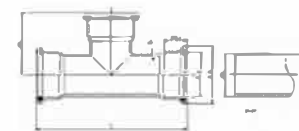
Short Tangent Elbow 90° with Female Threaded End

| Code | Nominal Size (mm) P x F | T1 (mm) | DW (mm) | T2 (mm) |
|------|-------------------------|---------|---------|---------|
| | 12x1/2 | 1.5 | 15 | 1.0 |
| | 15x1/2 | 1.5 | 18 | 1.0 |
| | 15x3/4 | 1.5 | 18 | 1.0 |
| | 20x3/4 | 1.5 | 22 | 1.2 |
| | 25x1 | 1.5 | 28 | 1.2 |
| | 32x1-1/4 | 1.5 | 35 | 1.5 |
| | 40x1-1/2 | 1.5 | 42 | 1.5 |
| | 50x2 | 1.5 | 54 | 1.5 |



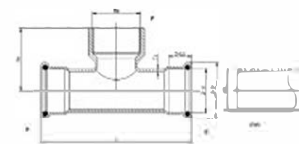
90° Elbow with Wall Plate/Seat

| Code | Nominal Size(mm) P x F | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------------|---------|---------|---------|
| | 12x1/2 | 1.5 | 15 | 1.0 |
| | 15x1/2 | 1.5 | 18 | 1.0 |
| | 15x3/4 | 1.5 | 18 | 1.0 |
| | 20x3/4 | 1.5 | 22 | 1.2 |
| | 25x1 | 1.5 | 28 | 1.2 |



Equal Tee

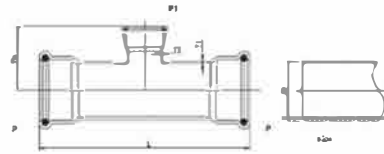
| Code | Nominal Size(mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------|---------|---------|---------|
| | 12 | 1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |
| | 25 | 1.5 | 28 | 1.2 |
| | 32 | 1.5 | 35 | 1.5 |
| | 40 | 1.5 | 42 | 1.5 |
| | 50 | 1.5 | 54 | 1.5 |
| | 65 | 2.0/2.5 | 76.1 | 2.0 |
| | 80 | 2.0/2.5 | 88.9 | 2.0 |
| | 100 | 2.0/2.5 | 108 | 2.0 |



Tee with Female Threaded Branch

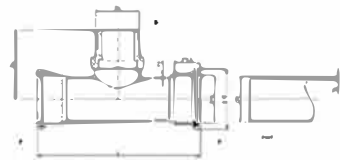
| Code | Nominal Size(mm) P x F x P | T1 (mm) | DW (mm) | T2 (mm) |
|------|----------------------------|---------|---------|---------|
| | 12x1/2x12 | 1.5 | 15 | 1.0 |
| | 15x1/2x15 | 1.5 | 18 | 1.0 |
| | 20x1/2x20 | 1.5 | 22 | 1.2 |
| | 20x3/4x20 | 1.5 | 22 | 1.2 |
| | 25x1/2x25 | 1.5 | 28 | 1.2 |
| | 25x3/4x25 | 1.5 | 28 | 1.2 |
| | 25x1x25 | 1.5 | 28 | 1.2 |
| | 32x1/2x32 | 1.5 | 35 | 1.5 |
| | 32x3/4x32 | 1.5 | 35 | 1.5 |
| | 32x1x32 | 1.5 | 35 | 1.5 |
| | 32x1-1/4x32 | 1.5 | 35 | 1.5 |
| | 40x1-1/2x40 | 1.5 | 42 | 1.5 |
| | 50x2x50 | 1.5 | 54 | 1.5 |

STAINLESS STEEL FITTING



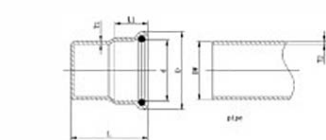
Reducer Tee

| Code | Nominal Size(mm) P×P1×P | T1 (mm) | DW (mm) | T2 (mm) |
|------|----------------------------|------------|------------|------------|
| | 15x12x15 | 1.5 | 18 | 1.5 |
| | 20x12x20 | 1.5 | 22 | 1.5 |
| | 20x15x20 | 1.5 | 22 | 1.5 |
| | 25x12x25 | 1.5 | 28 | 1.5 |
| | 25x15x25 | 1.5 | 28 | 1.5 |
| | 25x20x25 | 1.5 | 28 | 1.5 |
| | 32x20x32 | 1.5 | 35 | 1.5 |
| | 32x25x32 | 1.5 | 35 | 1.5 |
| | 40x20x40 | 1.5 | 42 | 1.5 |
| | 40x25x40 | 1.5 | 42 | 1.5 |
| | 40x32x40 | 1.5 | 42 | 1.5 |
| | 50x20x50 | 1.5 | 54 | 1.5 |
| | 50x25x50 | 1.5 | 54 | 1.5 |
| | 50x32x50 | 1.5 | 54 | 1.5 |
| | 50x40x50 | 1.5 | 54 | 1.5 |
| | 65x20x65 | 2.0/2.5 | 76.1 | 1.5 |
| | 65x25x65 | 2.0/2.5 | 76.1 | 1.5 |
| | 65x32x65 | 2.0/2.5 | 76.1 | 1.5 |
| | 65x40x65 | 2.0/2.5 | 76.1 | 1.5 |
| | 65x50x65 | 2.0/2.5 | 76.1 | 1.5 |
| | 80x20x80 | 2.0/2.5 | 88.9 | 1.5 |
| | 80x25x80 | 2.0/2.5 | 88.9 | 1.5 |
| | 80x32x80 | 2.0/2.5 | 88.9 | 1.5 |
| | 80x40x80 | 2.0/2.5 | 88.9 | 1.5 |
| | 80x50x80 | 2.0/2.5 | 88.9 | 1.5 |
| | 80x65x80 | 2.0/2.5 | 88.9 | 2.0 |
| | 100x20x100 | 1.5 | 108 | 1.5 |
| | 100x25x100 | 1.5 | 108 | 1.5 |
| | 100x32x100 | 1.5 | 108 | 1.5 |
| | 100x40x100 | 1.5 | 108 | 1.5 |
| | 100x50x100 | 2.0/2.5 | 108 | 1.5 |
| | 100x65x100 | 2.0/2.5 | 108 | 2.0 |
| | 100x80x100 | 2.0/2.5 | 108 | 2.0 |



Tee with Male Threaded Branch

| Code | Nominal Size(mm) P×M×P | T1 (mm) | DW (mm) | T2 (mm) |
|------|---------------------------|------------|------------|------------|
| | 12x1/2x12 | 1.5 | 15 | 1.0 |
| | 15x1/2x15 | 1.5 | 18 | 1.0 |
| | 20x1/2x20 | 1.5 | 22 | 1.2 |
| | 20x3/4x20 | 1.5 | 22 | 1.2 |
| | 25x1/2x25 | 1.5 | 28 | 1.2 |
| | 25x3/4x25 | 1.5 | 28 | 1.2 |
| | 25x1x25 | 1.5 | 28 | 1.2 |
| | 32x1/2x32 | 1.5 | 35 | 1.5 |
| | 32x3/4x32 | 1.5 | 35 | 1.5 |
| | 32x1x32 | 1.5 | 35 | 1.5 |
| | 32x1-1/4x32 | 1.5 | 35 | 1.5 |
| | 40x1-1/2x40 | 1.5 | 42 | 1.5 |
| | 50x2x50 | 1.5 | 54 | 1.5 |



Cap

| Code | Nominal Size(mm) | T1 (mm) | DW (mm) | T2 (mm) |
|------|------------------|------------|------------|------------|
| | 12 | 1.5 | 15 | 1.0 |
| | 15 | 1.5 | 18 | 1.0 |
| | 20 | 1.5 | 22 | 1.2 |
| | 25 | 1.5 | 28 | 1.2 |
| | 32 | 1.5 | 35 | 1.5 |
| | 40 | 1.5 | 42 | 1.5 |
| | 50 | 1.5 | 54 | 1.5 |

THE TOOL AND THE ACCESSORIES FOR THE PRESS FITTING



Battery Press Tool



Pressing Jaw

| | |
|--------------------|----------------------------------|
| Pipe fitting Size | DN15-50 |
| Jaw Specifications | DN15、DN20、DN25 DN32、DN40、DN50 |



Pipe Cutting Knife



Blade

| | | |
|--------------|-----|--------|
| Cutting Size | 35S | 6-35mm |
| | 65S | 6-65mm |



Electric Hydraulic Press Tools



Battery Press Tool



Pressing Chain



Pressing Chain

| | |
|--------------------|----------------------------------|
| Pipe fitting Size | DN15-50 |
| Jaw Specifications | DN15、DN20、DN25 DN32、DN40、DN50 |



Big Clamp Seat



Pressing Chain

| | |
|----------------------|-----------------|
| Pipe Fitting Size | DN65-100 |
| Big Clamp Seat | DN65-100 |
| Chain Specifications | DN65、DN80、DN100 |
| Oil Tubing Size | 4M/6M |



Manual Hydraulic Tool



Pressing Jaw



Small Clamp Seat



Oil Tubing

| | |
|--------------------|----------------------------------|
| Pipe fitting Size | DN15-25 DN32-50 DN15-50 |
| Jaw Specifications | DN15、DN20、DN25 DN32、DN40、DN50 |
| Small Clamp Seat | DN15-25 |
| Middle Clamp Seat | DN32-50 |
| Oil Tubing Size | 4M/6M |