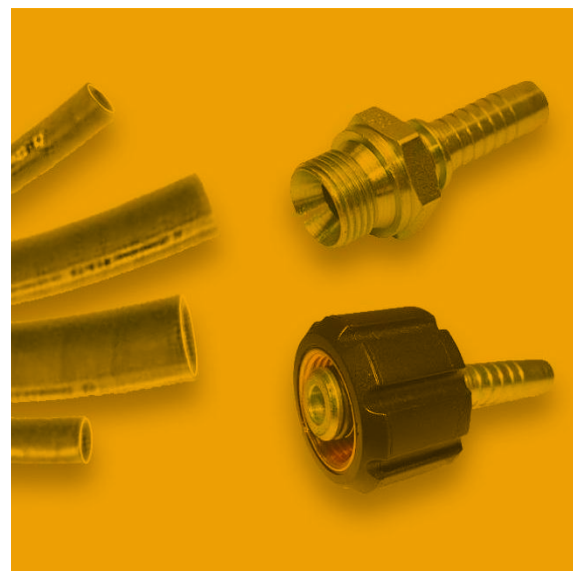


**FLUID POWER**





Since 2003, Advantiv have been supplying parts, providing multi skilled engineers and saving energy for clients across all commercial, industrial and manufacturing sectors. We service the UK nationwide, 24 hours a day, 7 days a week, 365 days a year. Our team is made up of experienced staff who know what's needed to provide the service your business expects.

From branches in Newbury and South Wales, Advantiv provide services split across 3 key areas:

- **Industrial MRO parts supply**
- **Engineering Site Services**
- **Energy Efficiency Solutions**

Our supply chain distributorships provide buyers with access to a wide range of MRO products at competitive prices. Our engineering team work with maintenance managers to solve problems and Energy Managers turn to Advantiv to drive down costs whilst complying with legislation.

It's all about understanding your needs, identifying a solution and working in partnership to help you solve that problem. Our aim is to make your investment in Advantiv contribute to your business by reducing your costs, increasing production up time and improving your efficiency.

#### HEAD OFFICE

Advantiv Limited, Unit 9 Kingfisher Court, Newbury,  
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Tel: 01635 246188 Email: [sales@advantiv.co.uk](mailto:sales@advantiv.co.uk)

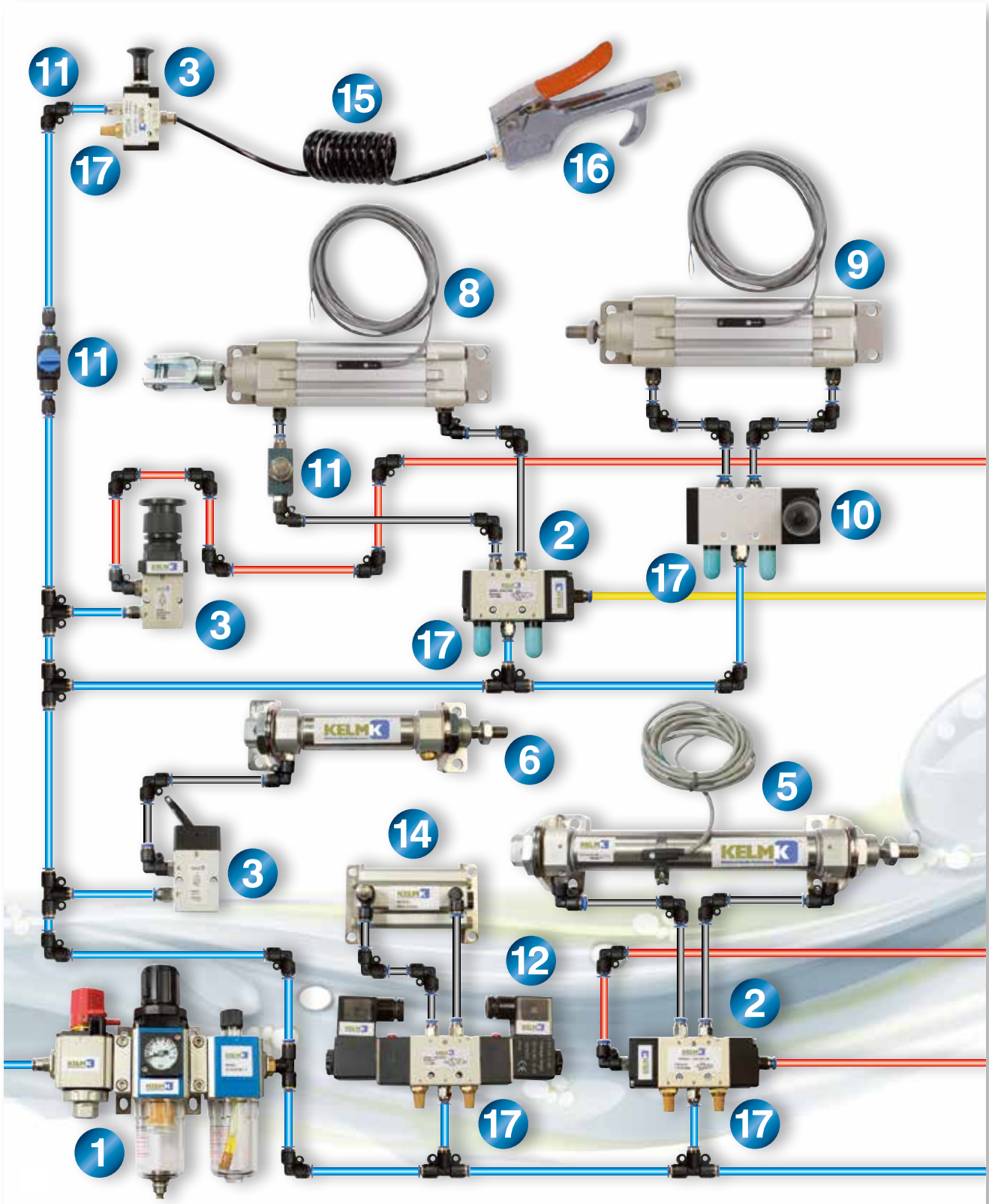
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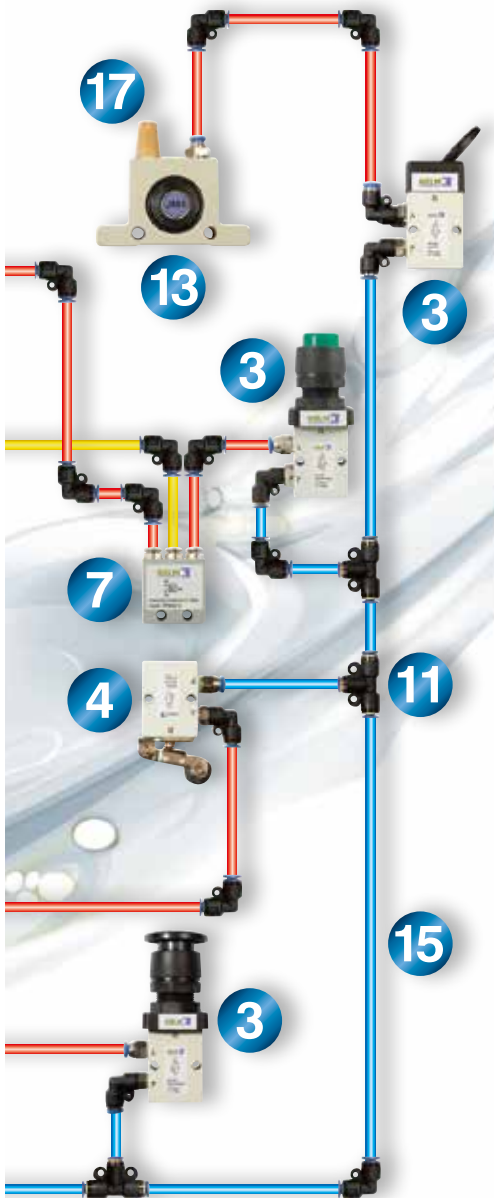
# Compressed Air System Guide



Please refer to our Fluid Power Catalogue for more information



# Compressed Air System Guide



- 1. Air Preparation**  
1/8" up to 1" – Filters, Regulators and Lubricators
- 2. Pilot Operated Valves**  
1/8", 1/4", 3/8" and 1/2" - 3/2, 5/2 and 5/3 Valves
- 3. Manual Operated Valves**  
M5, 1/8", 1/4", 3/8", 1/2" and 3/4" -  
3/2, 4/2, 4/3, 5/2 and 5/3 Valves
- 4. Mechanical Operated Valves**  
M5, 1/8" and 1/4" - 3/2
- 5. ISO 6432 Mini Cylinders**  
Double Acting Magnetic, in Bore Sizes 8mm to 40mm  
Mounting and Reed Switch to suit
- 6. ISO 6432 Mini Cylinders**  
Single Acting Magnetic, in Bore Sizes 8mm to 40mm  
Mounting and Reed Switch to suit
- 7. Logic and Specialist Valves**  
Not, And, Yes, Oscillating, Impulse
- 8. Gen 1 ISO 15552 (Formerly ISO 6431/VDMA 24562)  
Double Acting Magnetic Cylinders, Chrome Plated Carbon  
Steel Piston Rod**  
In Bore Sizes 32mm to 125mm  
Profile barrel with concealed tie rods.  
Switches can be mounted flush with profile barrel.  
Mounting and Reed Switch to suit
- 9. Gen 2 ISO 15552 (Formerly ISO 6431/VDMA 24562)  
Double Acting Magnetic Cylinders, Stainless Steel Piston Rod**  
In Bore Sizes 32mm to 125mm  
Profile barrel with concealed tie rods.  
Switches can be mounted flush with profile barrel.  
Mounting and Reed Switch to suit
- 10. Manual Lever/Lever, Controlled Valves**  
M5, 1/8", 1/4" and 3/8" Valves  
3/2, 5/2 and 5/3 Valves
- 11. Plastic & Metal Push-in Fittings & Flow Restrictors**  
4mm O.D. up to 12mm O.D.
- 12. Solenoid Operated Valves**  
Single Solenoid and Double Solenoid Valves -  
M5, 1/8", 1/4", 3/8" and 1/2" - 3/2, 5/2 and 5/3 Valves
- 13. Pneumatic Vibrators**  
1/4" and 3/8" - Ball and Turbine
- 14. Compact Magnetic Cylinder**  
Double Acting Magnetic in Bore Sizes 12mm to 100mm  
Mounting and Reed Switch to suit
- 15. Spring Coils and Tubing**  
Nylon and Polyurethane
- 16. Blow Guns**  
Metal
- 17. Silencers**  
Plastic, Sintered Bronze and Stainless Steel

Please refer to our Fluid Power Catalogue for more information



# PLASTIC PUSH-IN FITTINGS

## One Touch Emergency Fittings Kits

Convenient, compact boxes containing a selection of popular KELM™ one touch plastic push-in fittings along with handy tube cutter.

Available in three sizes: 6mm, 8mm and 10mm.

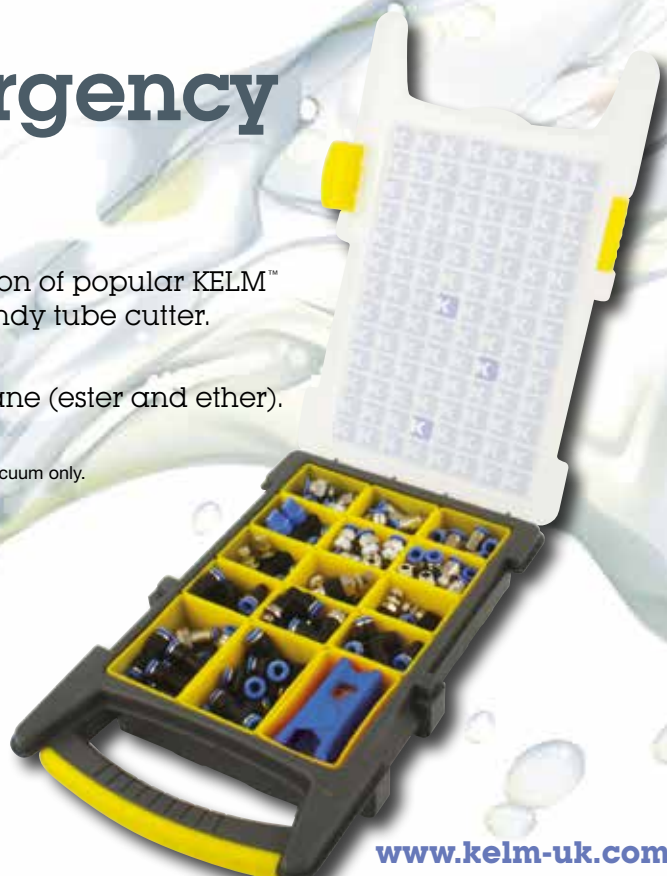
Can be used with nylon 6, 11, 12, and polyurethane (ester and ether).

**Working Temperature:**  
 Brass: 0°C to +60°C  
 Acetal: 0°C to +60°C  
 (dependent upon tubing specification)



**Maximum Working Pressure:**  
 10 bar (150 psi)  
**Negative Pressure:**  
 -750mm Hg (10 Torr)  
 (dependent upon tubing specification)

**Media:**  
 Air and vacuum only.



Plastic Push-in

|                |    |
|----------------|----|
| 1060           |    |
| KELM-06MMBOX-P | 6  |
| KELM-08MMBOX-P | 8  |
| KELM-10MMBOX-P | 10 |

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[www.kelm-uk.com](http://www.kelm-uk.com)

### 6mm Plastic Push-in Fittings & Tube Cutter

**CONTENTS:**

|   |   |  |  |
|---|---|--|--|
| <b>Tube Cutter</b><br>KTC-1<br>Qty: 1                   | <b>Equal Tee</b><br>2019-8404<br>Qty: 10                | <b>Equal Connector</b><br>2019-8305<br>Qty: 10                 | <b>Equal Bulkhead</b><br>2019-8503<br>Qty: 2 |
| <b>Equal Elbow</b><br>2019-8354<br>Qty: 8               | <b>1/8" BSPP Male Stud Elbow</b><br>2028-8247<br>Qty: 8 | <b>1/4" BSPP Male Stud Elbow</b><br>2028-8254<br>Qty: 5        |  |
| <b>1/8" BSPT Flow Controller</b><br>2022-9852<br>Qty: 2 | <b>1/4" BSPT Flow Controller</b><br>2022-9878<br>Qty: 2 | <b>Flow Controller (Unidirectional)</b><br>2022-9746<br>Qty: 2 |  |
| <b>1/8" BSPT Male Stud</b><br>2019-4965<br>Qty: 10      | <b>1/4" BSPT Male Stud</b><br>2019-4973<br>Qty: 10      | <b>Shut-off Valve (Tube x Tube)</b><br>HVFF06-06<br>Qty: 2     |  |
| <b>M5 BSPT Male Stud</b><br>2019-4957<br>Qty: 5         | <b>1/8" BSPP Male Stud</b><br>2028-7819<br>Qty: 10      | <b>1/4" BSPP Male Stud</b><br>2028-7843<br>Qty: 10             |  |

### 8mm Plastic Push-in Fittings & Tube Cutter

**CONTENTS:**

|   |   |  |  |
|---|---|--|--|
| <b>Tube Cutter</b><br>KTC-1<br>Qty: 1                   | <b>Equal Tee</b><br>2019-8412<br>Qty: 8                 | <b>Equal Connector</b><br>2019-8313<br>Qty: 10                 | <b>Equal Bulkhead</b><br>2019-8511<br>Qty: 2 |
| <b>Equal Elbow</b><br>2019-8362<br>Qty: 6               | <b>1/8" BSPP Male Stud Elbow</b><br>2028-8270<br>Qty: 6 | <b>1/4" BSPP Male Stud Elbow</b><br>2028-8288<br>Qty: 5        |  |
| <b>1/8" BSPT Flow Controller</b><br>2022-9886<br>Qty: 2 | <b>1/4" BSPT Flow Controller</b><br>2022-9894<br>Qty: 2 | <b>Flow Controller (Unidirectional)</b><br>2022-9753<br>Qty: 2 |  |
| <b>1/8" BSPT Male Stud</b><br>2019-4999<br>Qty: 10      | <b>1/4" BSPT Male Stud</b><br>2019-5004<br>Qty: 10      | <b>Shut-off Valve (Tube x Tube)</b><br>HVFF08-08<br>Qty: 2     |  |
| <b>3/8" BSPT Male Stud</b><br>2019-5012<br>Qty: 5       | <b>1/8" BSPP Male Stud</b><br>2028-7876<br>Qty: 10      | <b>1/4" BSPP Male Stud</b><br>2028-7884<br>Qty: 10             |  |

### 10mm Plastic Push-in Fittings & Tube Cutter

**CONTENTS:**

|   |  |   |
|---|--|---|
| <b>Tube Cutter</b><br>KTC-1<br>Qty: 1                   | <b>Flow Controller (Unidirectional)</b><br>2022-9761<br>Qty: 2 | <b>Equal Connector</b><br>2019-8321<br>Qty: 8           |
| <b>Equal Elbow</b><br>2019-8370<br>Qty: 3               | <b>1/8" BSPP Male Stud Elbow</b><br>2028-8312<br>Qty: 3        | <b>1/4" BSPP Male Stud Elbow</b><br>2028-8320<br>Qty: 3 |
| <b>1/4" BSPT Flow Controller</b><br>2022-9928<br>Qty: 2 | <b>3/8" BSPT Flow Controller</b><br>2022-9936<br>Qty: 1        | <b>Equal Tee</b><br>2019-8420<br>Qty: 2                 |
| <b>1/8" BSPT Male Stud</b><br>2019-5038<br>Qty: 7       | <b>1/4" BSPT Male Stud</b><br>2019-5046<br>Qty: 7              | <b>Equal Bulkhead</b><br>2019-8529<br>Qty: 2            |
| <b>3/8" BSPT Male Stud</b><br>2019-5053<br>Qty: 5       | <b>1/8" BSPP Male Stud</b><br>2028-7926<br>Qty: 8              | <b>1/4" BSPP Male Stud</b><br>2028-7934<br>Qty: 6       |

Please refer to our Fluid Power Catalogue for more information

FLUID POWER



# One Touch Plastic Push-in Fittings

**Temperature Range:**  
 Brass: 0°C to +60°C  
 Acetal: 0°C to +60°C

**Working Pressure:**  
 10 bar (150 psi)

**Media:**  
 Air & vacuum only.

**Negative Pressure:**  
 -750mm Hg (10Torr)

**Tech Sheet 1964**

## Male Studs



Male Thread, Metric & BSPT

| 1060      | OD mm | Thread |
|-----------|-------|--------|
| 2019-4890 | 4     | M5     |
| 2019-4932 | 4     | 1/8"   |
| 2046-7163 | 4     | M6     |
| 2019-4940 | 4     | 1/4"   |
| 2046-7164 | 4     | 3/8"   |
| 2019-4957 | 6     | M5     |
| 2019-4965 | 6     | 1/8"   |
| 2046-7165 | 6     | M6     |
| 2019-4973 | 6     | 1/4"   |
| 2019-4981 | 6     | 3/8"   |
| 2046-7166 | 6     | 1/2"   |
| 2019-4999 | 8     | 1/8"   |
| 2019-5004 | 8     | 1/4"   |
| 2019-5012 | 8     | 3/8"   |
| 2019-5020 | 8     | 1/2"   |
| 2019-5038 | 10    | 1/8"   |
| 2019-5046 | 10    | 1/4"   |
| 2019-5053 | 10    | 3/8"   |
| 2019-5061 | 10    | 1/2"   |
| 2019-5076 | 12    | 1/4"   |
| 2019-5087 | 12    | 3/8"   |
| 2019-5095 | 12    | 1/2"   |

## Female Studs



Female Thread, BSPP

| 1060      | OD mm | Thread |
|-----------|-------|--------|
| 2019-6325 | 4     | 1/8"   |
| 2046-7167 | 4     | 1/4"   |
| 2019-6366 | 6     | 1/8"   |
| 2019-6416 | 6     | 1/4"   |
| 2019-6432 | 6     | 3/8"   |
| 2019-6440 | 8     | 1/8"   |
| 2019-6465 | 8     | 1/4"   |
| 2019-6721 | 8     | 3/8"   |
| 2046-7168 | 8     | 1/2"   |
| 2019-6739 | 10    | 1/8"   |
| 2019-6754 | 10    | 1/4"   |
| 2019-6911 | 10    | 3/8"   |
| 2046-7169 | 10    | 1/2"   |
| 2019-6929 | 12    | 1/4"   |
| 2019-7018 | 12    | 3/8"   |
| 2019-7059 | 12    | 1/2"   |

## Male Stud Swivel Elbows



Male Thread, Metric & BSPT

| 1060      | OD mm | Thread |
|-----------|-------|--------|
| 2019-5103 | 4     | M5     |
| 2019-5111 | 4     | 1/8"   |
| 2046-7170 | 4     | M6     |
| 2019-5129 | 4     | 1/4"   |
| 2019-5822 | 6     | M5     |
| 2019-5145 | 6     | 1/8"   |
| 2046-7171 | 6     | M6     |
| 2019-5152 | 6     | 1/4"   |
| 2019-5160 | 6     | 3/8"   |
| 2046-7172 | 6     | 1/2"   |
| 2019-5178 | 8     | 1/8"   |
| 2019-5186 | 8     | 1/4"   |
| 2019-5194 | 8     | 3/8"   |
| 2019-5202 | 8     | 1/2"   |
| 2019-5210 | 10    | 1/8"   |
| 2019-5228 | 10    | 1/4"   |
| 2019-5236 | 10    | 3/8"   |
| 2019-5244 | 10    | 1/2"   |
| 2019-5251 | 12    | 1/4"   |
| 2019-5269 | 12    | 3/8"   |
| 2019-5277 | 12    | 1/2"   |

## Female Bulkhead Connectors



Female Thread, Metric & BSPP

| 1060      | OD mm | Thread | Bulk Head |
|-----------|-------|--------|-----------|
| 2046-7194 | 4     | M5     | M12 x 1   |
| 2019-7083 | 4     | 1/8"   | M12 x 1   |
| 2046-7196 | 4     | 1/4"   | M12 x 1   |
| 2046-7197 | 6     | M5     | M14 x 1   |
| 2019-7125 | 6     | 1/8"   | M14 x 1   |
| 2046-7198 | 6     | M6     | M14 x 1   |
| 2019-7133 | 6     | 1/4"   | M14 x 1   |
| 2046-7199 | 6     | 3/8"   | M14 x 1   |
| 2046-7200 | 6     | 1/2"   | M14 x 1   |
| 2046-7201 | 8     | 1/8"   | M16 x 1   |
| 2019-7166 | 8     | 1/4"   | M16 x 1   |
| 2019-7182 | 8     | 3/8"   | M16 x 1   |
| 2046-7202 | 8     | 1/2"   | M16 x 1   |
| 2046-7203 | 10    | 1/8"   | M20 x 1   |
| 2019-7299 | 10    | 1/4"   | M20 x 1   |
| 2019-7307 | 10    | 3/8"   | M20 x 1   |
| 2046-7204 | 10    | 1/2"   | M20 x 1   |
| 2019-7315 | 12    | 1/4"   | M22 x 1   |
| 2019-7497 | 12    | 3/8"   | M22 x 1   |
| 2046-7205 | 12    | 1/2"   | M22 x 1   |



Male Thread, BSPP

| 1060      | OD mm | Thread |
|-----------|-------|--------|
| 2028-7736 | 4     | 1/8"   |
| 2028-7793 | 4     | 1/4"   |
| 2028-7819 | 6     | 1/8"   |
| 2028-7843 | 6     | 1/4"   |
| 2028-7868 | 6     | 3/8"   |
| 2028-7876 | 8     | 1/8"   |
| 2028-7884 | 8     | 1/4"   |
| 2028-7900 | 8     | 3/8"   |
| 2028-7918 | 8     | 1/2"   |
| 2028-7926 | 10    | 1/8"   |
| 2028-7934 | 10    | 1/4"   |
| 2028-7942 | 10    | 3/8"   |
| 2028-7959 | 10    | 1/2"   |
| 2028-7967 | 12    | 1/4"   |
| 2028-7975 | 12    | 3/8"   |
| 2028-7983 | 12    | 1/2"   |



Male Thread, BSPP

| 1060      | OD mm | Thread |
|-----------|-------|--------|
| 2028-8221 | 4     | 1/8"   |
| 2028-8239 | 4     | 1/4"   |
| 2028-8247 | 6     | 1/8"   |
| 2028-8254 | 6     | 1/4"   |
| 2028-8262 | 6     | 3/8"   |
| 2028-8270 | 8     | 1/8"   |
| 2028-8288 | 8     | 1/4"   |
| 2028-8296 | 8     | 3/8"   |
| 2028-8304 | 8     | 1/2"   |
| 2028-8312 | 10    | 1/8"   |
| 2028-8320 | 10    | 1/4"   |
| 2028-8338 | 10    | 3/8"   |
| 2028-8379 | 10    | 1/2"   |
| 2028-8403 | 12    | 1/4"   |
| 2028-8411 | 12    | 3/8"   |
| 2028-8429 | 12    | 1/2"   |

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Please refer to our Fluid Power Catalogue for more information



## Polyurethane Tube

### Metric Polyurethane Ester Tube

Tech Sheet **3131**

**Ester based tube is not suitable for use with water or in high humidity environments.**

- Ester based Polyurethane tubing has outstanding characteristics compared with other pneumatic tubing. This tube is extremely flexible and offers excellent bend capabilities making it ideal for pneumatic control or robotic systems. It is also resistant to many chemicals, gases and oils as well as having excellent abrasion resistance. Ideal for use with Push-in fittings, Compression fittings, Quick-Fit fittings & Hose Tail fittings.



#### Metric, 25 Metre Coils

| 5030      | OD mm | ID mm | PSI         |     |
|-----------|-------|-------|-------------|-----|
| PU03/020B | 3     | 2     | Blue        | 150 |
| PU04/025N | 4     | 2.5   | Black       | 190 |
| PU04/025B | 4     | 2.5   | Blue        | 190 |
| PU04/025R | 4     | 2.5   | Red         | 190 |
| PU04/025Y | 4     | 2.5   | Yellow      | 190 |
| PU04/025G | 4     | 2.5   | Green       | 190 |
| PU04/025  | 4     | 2.5   | Transparent | 190 |
| PU05/030N | 5     | 3     | Black       | 160 |
| PU05/030B | 5     | 3     | Blue        | 160 |
| PU06/040N | 6     | 4     | Black       | 155 |
| PU06/040B | 6     | 4     | Blue        | 155 |
| PU06/040R | 6     | 4     | Red         | 155 |
| PU06/040Y | 6     | 4     | Yellow      | 155 |
| PU06/040G | 6     | 4     | Green       | 155 |
| PU06/040  | 6     | 4     | Transparent | 155 |
| PU08/055N | 8     | 5.5   | Black       | 150 |
| PU08/055B | 8     | 5.5   | Blue        | 150 |
| PU08/055R | 8     | 5.5   | Red         | 150 |
| PU08/055Y | 8     | 5.5   | Yellow      | 150 |
| PU08/055G | 8     | 5.5   | Green       | 150 |
| PU08/055  | 8     | 5.5   | Transparent | 150 |
| PU08/060N | 8     | 6     | Black       | 120 |
| PU08/060B | 8     | 6     | Blue        | 120 |
| PU08/060R | 8     | 6     | Red         | 120 |
| PU08/060Y | 8     | 6     | Yellow      | 120 |
| PU08/060G | 8     | 6     | Green       | 120 |
| PU08/060  | 8     | 6     | Transparent | 120 |
| PU10/065N | 10    | 6.5   | Black       | 125 |
| PU10/065B | 10    | 6.5   | Blue        | 125 |
| PU10/065R | 10    | 6.5   | Red         | 125 |
| PU10/065Y | 10    | 6.5   | Yellow      | 125 |
| PU10/065G | 10    | 6.5   | Green       | 125 |
| PU10/065  | 10    | 6.5   | Transparent | 125 |
| PU10/080N | 10    | 8     | Black       | 120 |
| PU10/080B | 10    | 8     | Blue        | 120 |
| PU10/080  | 10    | 8     | Transparent | 120 |
| PU12/080N | 12    | 8     | Black       | 120 |
| PU12/080B | 12    | 8     | Blue        | 120 |
| PU12/080R | 12    | 8     | Red         | 120 |
| PU12/080Y | 12    | 8     | Yellow      | 120 |
| PU12/080G | 12    | 8     | Green       | 120 |
| PU12/080  | 12    | 8     | Transparent | 120 |
| PU16/110  | 16    | 11    | Blue        | 100 |

#### Metric, 30 Metre Coils

| 5030         | OD mm | ID mm | PSI         |     |
|--------------|-------|-------|-------------|-----|
| PU04/025-30  | 4     | 2.5   | Transparent | 190 |
| PU04/025B-30 | 4     | 2.5   | Blue        | 190 |
| PU06/040-30  | 6     | 4     | Transparent | 155 |
| PU06/040B-30 | 6     | 4     | Blue        | 155 |
| PU08/055-30  | 8     | 5.5   | Transparent | 150 |
| PU08/055B-30 | 8     | 5.5   | Blue        | 150 |
| PU08/060-30  | 8     | 6     | Transparent | 120 |
| PU08/060B-30 | 8     | 6     | Blue        | 120 |
| PU10/065-30  | 10    | 6.5   | Transparent | 125 |
| PU10/065B-30 | 10    | 6.5   | Blue        | 125 |
| PU10/080-30  | 10    | 8     | Transparent | 120 |
| PU10/080B-30 | 10    | 8     | Blue        | 120 |
| PU12/080-30  | 12    | 8     | Transparent | 120 |
| PU12/080B-30 | 12    | 8     | Blue        | 120 |

#### Metric, 100 Metre Coils

| 5030          | OD mm | ID mm | PSI         |     |
|---------------|-------|-------|-------------|-----|
| PU04/025N-100 | 4     | 2.5   | Black       | 190 |
| PU04/025B-100 | 4     | 2.5   | Blue        | 190 |
| PU04/025R-100 | 4     | 2.5   | Red         | 190 |
| PU04/025Y-100 | 4     | 2.5   | Yellow      | 190 |
| PU04/025G-100 | 4     | 2.5   | Green       | 190 |
| PU04/025-100  | 4     | 2.5   | Transparent | 190 |
| PU06/040N-100 | 6     | 4     | Black       | 155 |
| PU06/040B-100 | 6     | 4     | Blue        | 155 |
| PU06/040R-100 | 6     | 4     | Red         | 155 |
| PU06/040Y-100 | 6     | 4     | Yellow      | 155 |
| PU06/040G-100 | 6     | 4     | Green       | 155 |
| PU06/040-100  | 6     | 4     | Transparent | 155 |
| PU08/055N-100 | 8     | 5.5   | Black       | 150 |
| PU08/055B-100 | 8     | 5.5   | Blue        | 150 |
| PU08/055R-100 | 8     | 5.5   | Red         | 150 |
| PU08/055Y-100 | 8     | 5.5   | Yellow      | 150 |
| PU08/055G-100 | 8     | 5.5   | Green       | 150 |
| PU08/055-100  | 8     | 5.5   | Transparent | 150 |
| PU08/060N-100 | 8     | 6     | Black       | 120 |
| PU08/060B-100 | 8     | 6     | Blue        | 120 |
| PU08/060R-100 | 8     | 6     | Red         | 120 |
| PU08/060Y-100 | 8     | 6     | Yellow      | 120 |
| PU08/060G-100 | 8     | 6     | Green       | 120 |
| PU08/060-100  | 8     | 6     | Transparent | 120 |
| PU10/065N-100 | 10    | 6.5   | Black       | 125 |
| PU10/065B-100 | 10    | 6.5   | Blue        | 125 |
| PU10/065R-100 | 10    | 6.5   | Red         | 125 |
| PU10/065Y-100 | 10    | 6.5   | Yellow      | 125 |
| PU10/065G-100 | 10    | 6.5   | Green       | 125 |
| PU10/065-100  | 10    | 6.5   | Transparent | 125 |
| PU10/080N-100 | 10    | 8     | Black       | 120 |
| PU10/080B-100 | 10    | 8     | Blue        | 120 |
| PU10/080R-100 | 10    | 8     | Red         | 120 |
| PU10/080Y-100 | 10    | 8     | Yellow      | 120 |
| PU10/080G-100 | 10    | 8     | Green       | 120 |
| PU10/080-100  | 10    | 8     | Transparent | 120 |
| PU12/080N-100 | 12    | 8     | Black       | 120 |
| PU12/080B-100 | 12    | 8     | Blue        | 120 |
| PU12/080R-100 | 12    | 8     | Red         | 120 |
| PU12/080G-100 | 12    | 8     | Green       | 120 |
| PU12/080-100  | 12    | 8     | Transparent | 120 |

FLUID POWER

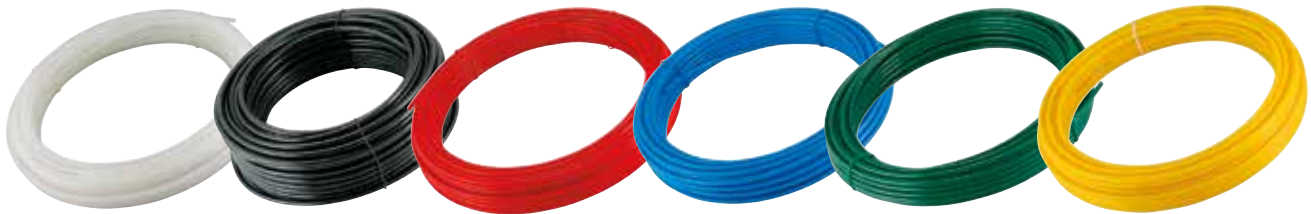
Please refer to our Fluid Power Catalogue for more information



# Nylon Tubing & Tube Cutters

## Metric Flexible Nylon Tubing, Type NT (to BS5409)

Tube is not suitable for use with water or in high humidity environments.



**Temperature Range:**  
-10°C to +80°C

- U.V. Stable
- Silicone Free

- Abrasion Resistant
- Manufactured from quality grade nylon granules.

Other colours and lengths available on request

The properties of this tube make it ideal for use in pneumatic control systems. (Ideally suited for use with push-in fittings).

### 30 Metre Coils

| 5010       | OD mm | ID mm | PSI     | PSI |
|------------|-------|-------|---------|-----|
| NTM04/030  | 4     | 3     | Natural | 300 |
| NTM04/025  | 4     | 2.5   | Natural | 400 |
| NTM04/025N | 4     | 2.5   | Black   | 400 |
| NTM04/025B | 4     | 2.5   | Blue    | 400 |
| NTM04/025G | 4     | 2.5   | Green   | 400 |
| NTM04/025R | 4     | 2.5   | Red     | 400 |
| NTM04/025Y | 4     | 2.5   | Yellow  | 400 |
| NTM05/030  | 5     | 3     | Natural | 400 |
| NTM05/030N | 5     | 3     | Black   | 400 |
| NTM05/030B | 5     | 3     | Blue    | 400 |
| NTM05/030G | 5     | 3     | Green   | 400 |
| NTM05/030R | 5     | 3     | Red     | 400 |
| NTM05/030Y | 5     | 3     | Yellow  | 400 |
| NTM05/033  | 5     | 3.3   | Natural | 300 |
| NTM06/040  | 6     | 4     | Natural | 350 |
| NTM06/040N | 6     | 4     | Black   | 350 |
| NTM06/040B | 6     | 4     | Blue    | 350 |
| NTM06/040G | 6     | 4     | Green   | 350 |
| NTM06/040R | 6     | 4     | Red     | 350 |
| NTM06/040Y | 6     | 4     | Yellow  | 350 |
| NTM06/045  | 6     | 4.5   | Natural | 300 |
| NTM08/060  | 8     | 6     | Natural | 350 |
| NTM08/060N | 8     | 6     | Black   | 350 |
| NTM08/060B | 8     | 6     | Blue    | 350 |
| NTM08/060G | 8     | 6     | Green   | 350 |
| NTM08/060R | 8     | 6     | Red     | 350 |
| NTM08/060Y | 8     | 6     | Yellow  | 350 |
| NTM08/055  | 8     | 5.5   | Natural | 350 |

### 30 Metre Coils

| 5010       | OD mm | ID mm | PSI     | PSI |
|------------|-------|-------|---------|-----|
| NTM08/055N | 8     | 5.5   | Black   | 350 |
| NTM10/070  | 10    | 7     | Natural | 300 |
| NTM10/070N | 10    | 7     | Black   | 300 |
| NTM10/070B | 10    | 7     | Blue    | 300 |
| NTM10/070G | 10    | 7     | Green   | 300 |
| NTM10/070R | 10    | 7     | Red     | 300 |
| NTM10/070Y | 10    | 7     | Yellow  | 300 |
| NTM10/080  | 10    | 8     | Natural | 220 |
| NTM10/080N | 10    | 8     | Black   | 220 |
| NTM10/080B | 10    | 8     | Blue    | 220 |
| NTM10/080G | 10    | 8     | Green   | 220 |
| NTM10/080R | 10    | 8     | Red     | 220 |
| NTM10/080Y | 10    | 8     | Yellow  | 220 |
| NTM12/090  | 12    | 9     | Natural | 250 |
| NTM12/090N | 12    | 9     | Black   | 250 |
| NTM12/090B | 12    | 9     | Blue    | 250 |
| NTM12/090G | 12    | 9     | Green   | 250 |
| NTM12/090R | 12    | 9     | Red     | 250 |
| NTM12/090Y | 12    | 9     | Yellow  | 250 |
| NTM12/100  | 12    | 10    | Natural | 200 |
| NTM12/100N | 12    | 10    | Black   | 200 |
| NTM12/100R | 12    | 10    | Red     | 200 |
| NTM14/110  | 14    | 11    | Natural | 250 |
| NTM14/110N | 14    | 11    | Black   | 250 |
| NTM15/120  | 15    | 12    | Natural | 200 |
| NTM16/130  | 16    | 13    | Natural | 200 |
| NTM18/140  | 18    | 14    | Natural | 200 |
| NTM22/170  | 22    | 17    | Natural | 180 |

### 100 Metre Coils

| 5010           | OD mm | ID mm | PSI     | PSI |
|----------------|-------|-------|---------|-----|
| NTM04/025-100  | 4     | 2.5   | Natural | 400 |
| NTM05/030-100  | 5     | 3     | Natural | 400 |
| NTM06/040-100  | 6     | 4     | Natural | 350 |
| NTM06/040N-100 | 6     | 4     | Black   | 350 |
| NTM06/040B-100 | 6     | 4     | Blue    | 350 |
| NTM06/040G-100 | 6     | 4     | Green   | 350 |
| NTM06/040R-100 | 6     | 4     | Red     | 350 |
| NTM06/040Y-100 | 6     | 4     | Yellow  | 350 |
| NTM08/060-100  | 8     | 6     | Natural | 350 |
| NTM08/060N-100 | 8     | 6     | Black   | 350 |
| NTM08/060B-100 | 8     | 6     | Blue    | 350 |
| NTM10/080-100  | 10    | 8     | Natural | 220 |
| NTM10/080N-100 | 10    | 8     | Black   | 220 |
| NTM10/080B-100 | 10    | 8     | Blue    | 220 |

### 500 Metre Drums

| 5010           | OD mm | ID mm | PSI     | PSI |
|----------------|-------|-------|---------|-----|
| NTM06/040-500  | 6     | 4     | Natural | 350 |
| NTM06/040-500B | 6     | 4     | Blue    | 350 |
| NTM08/060-500  | 8     | 6     | Natural | 350 |

Tech Sheet 3136

## Nylon & Polyurethane Tube Cutter

3mm-16mm

5010

KTC-1



Blue



## Nylon Tubing

This range of nylon products is produced in a state-of-the-art manufacturing facility. All products undergo rigorous testing to ensure the optimum life can be achieved from the end product. Tube can be produced to your special requirements with optional length, size, colour and branding available (minimum quantities and lead times will apply). Please contact our Business Development Team for further information.

Please refer to our Fluid Power Catalogue for more information





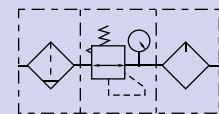
## Air Preparation Filter/Regulator & Lubricator



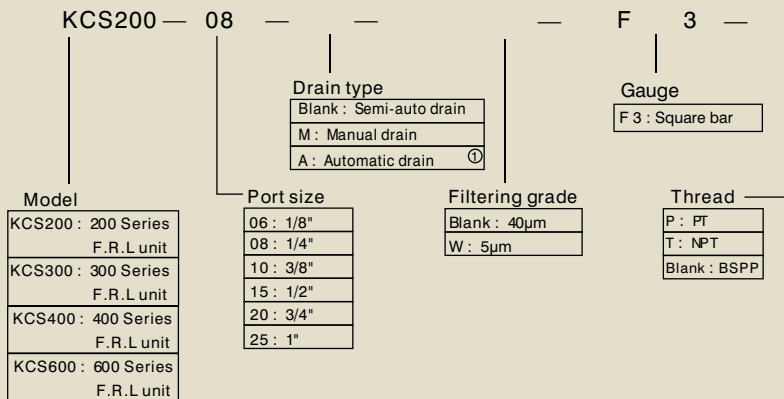
### Specification

| Model                  | KCS200-06  | KCS200-08 | KCS300-08 | KCS300-10 | KCS300-15 | KCS400-10 | KCS400-15 | KCS600-20 | KCS600-25 |           |
|------------------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Fluid                  | Air  |           |           |           |           |           |           |           |           |           |
| Port                   | 1/8"   | 1/4"      | 1/4"      | 3/8"      | 1/2"      | 3/8"      | 1/2"      | 3/4"      | 1"        |           |
| Micron                 | 40µm or 5µm  |           |           |           |           |           |           |           |           |           |
| Pressure Range         | Semi-Auto & Automatic Drain: 0.15-0.9MPa (20-130psi) |           |           |           |           |           |           |           |           |           |
|                        | Manual Drain: 0.05-0.9MPa (7-130psi)                 |           |           |           |           |           |           |           |           |           |
| Proof Pressure         | 1.5 MPa (215psi)                                     |           |           |           |           |           |           |           |           |           |
| Temperature Range      | -5 to +60°C  |           |           |           |           |           |           |           |           |           |
| Capacity of Drain Bowl | 10CC   |           | 40CC      |           |           | 80CC      |           | 230CC     |           |           |
| Capacity of Oil Bowl   | 25CC   |           | 75CC      |           |           | 160CC     |           | 380CC     |           |           |
| Recommended Lubricant  | ISO VG 32 or equivalent                              |           |           |           |           |           |           |           |           |           |
| Weight                 | 580g   |           | 1300g     |           |           | 2360g     |           | 5550g     |           |           |
|                        | Filter   | KFS200-06 | KFS200-08 | KFS300-08 | KFS300-10 | KFS300-15 | KFS400-10 | KFS400-15 | KFS600-20 | KFS600-25 |
| Constitute             | Regulator  | KRS200-06 | KRS200-08 | KRS300-08 | KRS300-10 | KRS300-15 | KRS400-10 | KRS400-15 | KRS600-20 | KRS600-25 |
|                        | Lubricator   | KLS200-06 | KLS200-08 | KLS300-08 | KLS300-10 | KLS300-15 | KLS400-10 | KLS400-15 | KLS600-20 | KLS600-25 |

### Symbol



### Ordering Code

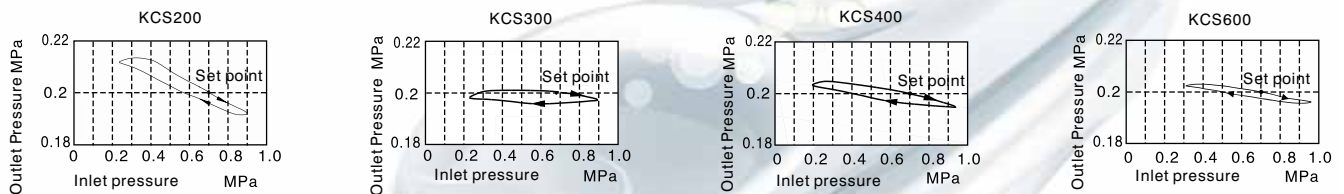


① The function of automatic drain is not available for KCS200 series

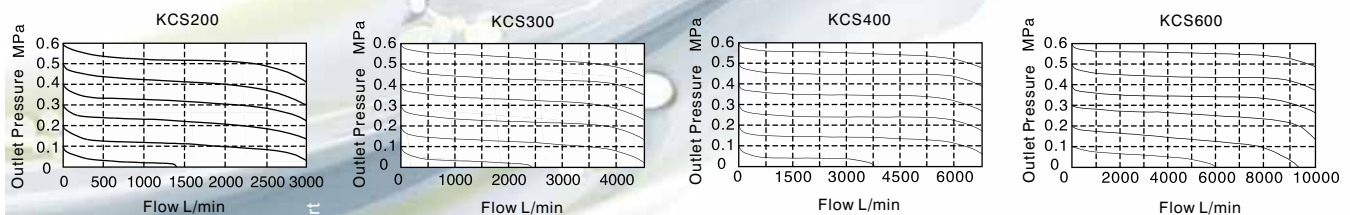
### Product Features

- 1 Gap seal structure makes oil supply adjustment more reliable.
- 2 The adjustment ring for the oil supply will revolve once through 360° thus oil supply can be gauged by the position of the graduated ring.
- 3 Oil is fed into the system by venturi nozzle.
- 4 Installation is quick and reliable.
- 5 Pressure adjustment is precise.
- 6 Filtration 40 micron or 5 micron.
- 7 Three drain types are available manual drain, semi-auto drain and automatic drain.

### Pressure Charts



### Flow Charts (Inlet Pressure 0.7MPa)

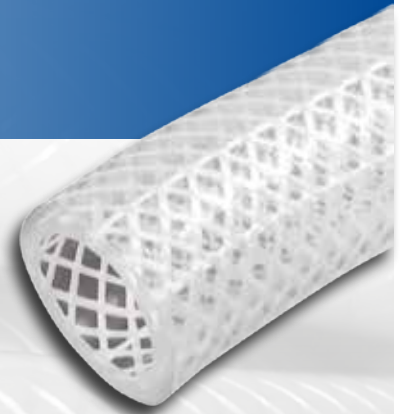


Please refer to our Fluid Power Catalogue for more information



# Braided PVC Hose

Reinforced PVC Braided Hose,  
Type RPVC & HDPVC (to BS6066)

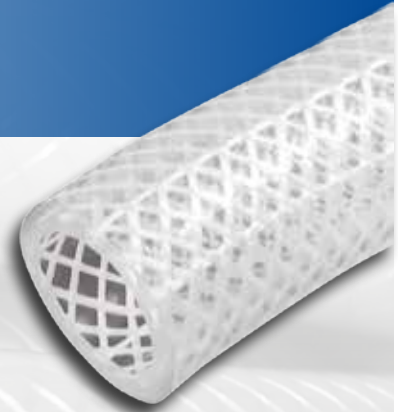


| Part Number | Nominal Dimension | ID x OD mm  | Max. Working Pressure bar | Burst Pressure bar | Bend Radius mm | Weight kg/roll |
|-------------|-------------------|-------------|---------------------------|--------------------|----------------|----------------|
| RPVC18      | 1/8"              | 3 x 8       | 13                        | 50                 | 15             | 1.10           |
| RPVC532     | 5/32"             | 4 x 9       | 13                        | 50                 | 17             | 1.80           |
| RPVC316     | 3/16"             | 5 x 10      | 13                        | 50                 | 20             | 2.10           |
| RPVC14      | 1/4"              | 6 x 11      | 15                        | 65                 | 25             | 2.30           |
| RPVC516     | 5/16"             | 8 x 13      | 15                        | 58                 | 33             | 2.70           |
| RPVC38      | 3/8"              | 10 x 15     | 12                        | 45                 | 40             | 3.20           |
| RPVC12      | 1/2"              | 13 x 18     | 12                        | 40                 | 52             | 4.00           |
| RPVC58      | 5/8"              | 16 x 21     | 10                        | 35                 | 64             | 5.00           |
| RPVC34      | 3/4"              | 19 x 25     | 10                        | 32                 | 76             | 7.10           |
| RPVC1       | 1"                | 25 x 31     | 9                         | 28                 | 100            | 8.90           |
| RPVC114     | 1.1/4"            | 32 x 40     | 6                         | 26                 | 125            | 16.00          |
| RPVC112     | 1.1/2"            | 38 x 46     | 5                         | 20                 | 152            | 19.00          |
| RPVC2       | 2"                | 50 x 60     | 3                         | 17                 | 200            | 31.00          |
| <hr/>       |                   |             |                           |                    |                |                |
| HDPVC14     | 1/4"              | 6.5 x 11.5  | 16                        | 65                 | 30             | 2.50           |
| HDPVC516    | 5/16"             | 8 x 13.5    | 16                        | 58                 | 35             | 3.30           |
| HDPVC38     | 3/8"              | 10 x 16     | 15                        | 45                 | 45             | 3.50           |
| HDPVC12     | 1/2"              | 12.5 x 18.5 | 12                        | 40                 | 52             | 5.00           |
| HDPVC58     | 5/8"              | 16 x 23     | 10                        | 35                 | 74             | 7.80           |
| HDPVC34     | 3/4"              | 20 x 26     | 10                        | 32                 | 80             | 7.30           |
| HDPVC1      | 1"                | 25 x 33     | 10                        | 28                 | 110            | 12.80          |
| HDPVC114    | 1.1/4"            | 32 x 41     | 6                         | 26                 | 130            | 18.90          |
| HDPVC112    | 1.1/2"            | 40 x 49     | 6                         | 20                 | 165            | 23.00          |
| HDPVC2      | 2"                | 50 x 62     | 3                         | 17                 | 220            | 38.00          |

Given working pressures are based on an ambient temperature of 20°C. Due to the natural properties of PVC, as the ambient temperature increases the pressures the hose will withstand decrease at an average rate of 15% per increase of 10°C and in similar increments thereafter.



Please refer to our Fluid Power Catalogue for more information



# Braided PVC Hose

## Reinforced PVC Braided Hose, Type RPVC & HDPVC (to BS6066)

Manufactured from top quality crystal clear 'virgin' PVC compound, and ideal for factory airlines, fluid systems and many industrial applications. Reinforced with a high tensile quality polyester yarn, it offers high working pressures and extreme flexibility.

The hose is resistant to a wide range of chemicals (please consult our Business Development Team for further details).

### Applications:

- Water supply and draining
- Transfer of various fluids and powder
- Supplying water, gas, oil, etc. in agriculture and industry
- Compressed air
- Other special purposes

### Characteristics:

- Excellent abrasion resistance
- High resistance to alkalis and acids
- Silicone free
- Cadmium free
- Low toxicity
- Excellent transparency
- Manufactured to comply with BS6066 and ISO5774
- Produced from FDA approved materials
- Durable, anti-cold proof, non-inflated
- Highly flexible, lightweight and easy to handle
- No fissure phenomenon by ultraviolet rays and direct rays of the sun
- Little expansion or contraction

|                    |                        |           |      |
|--------------------|------------------------|-----------|------|
| <b>Length*</b>     | 15m                    | 30m       | 100m |
| <b>Size</b>        | From 3/16" ID to 2" ID |           |      |
| <b>Temperature</b> | Min -20°C              | Max +65°C |      |

\*Other lengths available on request.

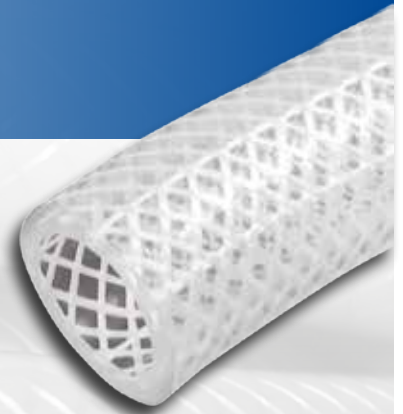


Please refer to our Fluid Power Catalogue for more information



# Braided PVC Hose

Reinforced PVC Braided Hose,  
Type RPVC & HDPVC (to BS6066)



| Part Number | Nominal Dimension | ID x OD mm  | Max. Working Pressure bar | Burst Pressure bar | Bend Radius mm | Weight kg/roll |
|-------------|-------------------|-------------|---------------------------|--------------------|----------------|----------------|
| RPVC18      | 1/8"              | 3 x 8       | 13                        | 50                 | 15             | 1.10           |
| RPVC532     | 5/32"             | 4 x 9       | 13                        | 50                 | 17             | 1.80           |
| RPVC316     | 3/16"             | 5 x 10      | 13                        | 50                 | 20             | 2.10           |
| RPVC14      | 1/4"              | 6 x 11      | 15                        | 65                 | 25             | 2.30           |
| RPVC516     | 5/16"             | 8 x 13      | 15                        | 58                 | 33             | 2.70           |
| RPVC38      | 3/8"              | 10 x 15     | 12                        | 45                 | 40             | 3.20           |
| RPVC12      | 1/2"              | 13 x 18     | 12                        | 40                 | 52             | 4.00           |
| RPVC58      | 5/8"              | 16 x 21     | 10                        | 35                 | 64             | 5.00           |
| RPVC34      | 3/4"              | 19 x 25     | 10                        | 32                 | 76             | 7.10           |
| RPVC1       | 1"                | 25 x 31     | 9                         | 28                 | 100            | 8.90           |
| RPVC114     | 1.1/4"            | 32 x 40     | 6                         | 26                 | 125            | 16.00          |
| RPVC112     | 1.1/2"            | 38 x 46     | 5                         | 20                 | 152            | 19.00          |
| RPVC2       | 2"                | 50 x 60     | 3                         | 17                 | 200            | 31.00          |
| <hr/>       |                   |             |                           |                    |                |                |
| HDPVC14     | 1/4"              | 6.5 x 11.5  | 16                        | 65                 | 30             | 2.50           |
| HDPVC516    | 5/16"             | 8 x 13.5    | 16                        | 58                 | 35             | 3.30           |
| HDPVC38     | 3/8"              | 10 x 16     | 15                        | 45                 | 45             | 3.50           |
| HDPVC12     | 1/2"              | 12.5 x 18.5 | 12                        | 40                 | 52             | 5.00           |
| HDPVC58     | 5/8"              | 16 x 23     | 10                        | 35                 | 74             | 7.80           |
| HDPVC34     | 3/4"              | 20 x 26     | 10                        | 32                 | 80             | 7.30           |
| HDPVC1      | 1"                | 25 x 33     | 10                        | 28                 | 110            | 12.80          |
| HDPVC114    | 1.1/4"            | 32 x 41     | 6                         | 26                 | 130            | 18.90          |
| HDPVC112    | 1.1/2"            | 40 x 49     | 6                         | 20                 | 165            | 23.00          |
| HDPVC2      | 2"                | 50 x 62     | 3                         | 17                 | 220            | 38.00          |

Given working pressures are based on an ambient temperature of 20°C. Due to the natural properties of PVC, as the ambient temperature increases the pressures the hose will withstand decrease at an average rate of 15% per increase of 10°C and in similar increments thereafter.



Please refer to our Fluid Power Catalogue for more information



# Nickel Plated Brass & Brass Hose Tails

This technical data is applicable to the full range of hose tail fittings and air line fittings including tees, elbows, reducers and silencers, etc.

**Threads:**

Tapered in conformity with ISO 7.1, BS 21, DIN 2999.

Parallel in conformity with ISO 228 class A.

Metric in conformity with ISO R/262.

**Media:**

Compressed air, water, oils and fluids in general for the hydraulic and pneumatic fields.

**NB:**

Safe pressures and temperatures depend entirely on the tubes being used, for this reason the values must be determined in accordance with the tube features.



## Male x Hose Tail, Brass

Male Thread, BSPT

| 1010     |        | To Suit Hose I.D. |
|----------|--------|-------------------|
| GT10/04K | 1/8"   | 1/8"              |
| GT10/05K | 1/8"   | 3/16"             |
| GT10/06K | 1/8"   | 1/4"              |
| GT10/08K | 1/8"   | 5/16"             |
| GT10/09K | 1/8"   | 3/8"              |
| GT10/13K | 1/8"   | 1/2"              |
| GT13/04K | 1/4"   | 1/8"              |
| GT13/05K | 1/4"   | 3/16"             |
| GT13/06K | 1/4"   | 1/4"              |
| GT13/08K | 1/4"   | 5/16"             |
| GT13/09K | 1/4"   | 3/8"              |
| GT13/13K | 1/4"   | 1/2"              |
| GT13/16K | 1/4"   | 5/8"              |
| GT13/19K | 1/4"   | 3/4"              |
| GT17/05K | 3/8"   | 3/16"             |
| GT17/06K | 3/8"   | 1/4"              |
| GT17/08K | 3/8"   | 5/16"             |
| GT17/09K | 3/8"   | 3/8"              |
| GT17/13K | 3/8"   | 1/2"              |
| GT17/16K | 3/8"   | 5/8"              |
| GT17/19K | 3/8"   | 3/4"              |
| GT21/05K | 1/2"   | 3/16"             |
| GT21/06K | 1/2"   | 1/4"              |
| GT21/08K | 1/2"   | 5/16"             |
| GT21/09K | 1/2"   | 3/8"              |
| GT21/13K | 1/2"   | 1/2"              |
| GT21/16K | 1/2"   | 5/8"              |
| GT21/19K | 1/2"   | 3/4"              |
| GT21/25K | 1/2"   | 1"                |
| GT23/16K | 5/8"   | 5/8"              |
| GT26/06K | 3/4"   | 1/4"              |
| GT26/08K | 3/4"   | 5/16"             |
| GT26/09K | 3/4"   | 3/8"              |
| GT26/13K | 3/4"   | 1/2"              |
| GT26/16K | 3/4"   | 5/8"              |
| GT26/19K | 3/4"   | 3/4"              |
| GT26/25K | 3/4"   | 1"                |
| GT26/31K | 3/4"   | 1.1/4"            |
| GT33/13K | 1"     | 1/2"              |
| GT33/16K | 1"     | 5/8"              |
| GT33/19K | 1"     | 3/4"              |
| GT33/25K | 1"     | 1"                |
| GT33/31K | 1"     | 1.1/4"            |
| GT33/38K | 1"     | 1.1/2"            |
| GT42/19K | 1.1/4" | 3/4"              |
| GT42/25K | 1.1/4" | 1"                |
| GT42/31K | 1.1/4" | 1.1/4"            |
| GT48/31K | 1.1/2" | 1.1/4"            |
| GT48/38K | 1.1/2" | 1.1/2"            |
| GT48/50K | 1.1/2" | 2"                |
| GT52/38K | 2"     | 1.1/2"            |
| GT52/50K | 2"     | 2"                |
| GT56/53K | 2.1/2" | 2.1/2"            |
| GT60/58K | 3"     | 3"                |

## Male x Hose Tail, Nickel Plated Brass

Male Thread, BSPT

| 1010       |        | To Suit Hose I.D. |
|------------|--------|-------------------|
| GT10/04KNP | 1/8"   | 1/8"              |
| GT10/05KNP | 1/8"   | 3/16"             |
| GT10/06KNP | 1/8"   | 1/4"              |
| GT10/08KNP | 1/8"   | 5/16"             |
| GT10/09KNP | 1/8"   | 3/8"              |
| GT13/04KNP | 1/4"   | 1/8"              |
| GT13/05KNP | 1/4"   | 3/16"             |
| GT13/06KNP | 1/4"   | 1/4"              |
| GT13/08KNP | 1/4"   | 5/16"             |
| GT13/09KNP | 1/4"   | 3/8"              |
| GT13/13KNP | 1/4"   | 1/2"              |
| GT13/16KNP | 1/4"   | 5/8"              |
| GT13/19KNP | 1/4"   | 3/4"              |
| GT17/05KNP | 3/8"   | 3/16"             |
| GT17/06KNP | 3/8"   | 1/4"              |
| GT17/08KNP | 3/8"   | 5/16"             |
| GT17/09KNP | 3/8"   | 3/8"              |
| GT17/13KNP | 3/8"   | 1/2"              |
| GT17/16KNP | 3/8"   | 5/8"              |
| GT17/19KNP | 3/8"   | 3/4"              |
| GT21/06KNP | 1/2"   | 1/4"              |
| GT21/08KNP | 1/2"   | 5/16"             |
| GT21/09KNP | 1/2"   | 3/8"              |
| GT21/13KNP | 1/2"   | 1/2"              |
| GT21/16KNP | 1/2"   | 5/8"              |
| GT21/19KNP | 1/2"   | 3/4"              |
| GT21/25KNP | 1/2"   | 1"                |
| GT26/09KNP | 3/4"   | 3/8"              |
| GT26/13KNP | 3/4"   | 1/2"              |
| GT26/16KNP | 3/4"   | 5/8"              |
| GT26/19KNP | 3/4"   | 3/4"              |
| GT26/25KNP | 3/4"   | 1"                |
| GT33/13KNP | 1"     | 1/2"              |
| GT33/19KNP | 1"     | 3/4"              |
| GT33/25KNP | 1"     | 1"                |
| GT33/38KNP | 1"     | 1.1/2"            |
| GT33/31KNP | 1"     | 1.1/4"            |
| GT42/25KNP | 1.1/4" | 1"                |
| GT42/31KNP | 1.1/4" | 1.1/4"            |
| GT48/38KNP | 1.1/2" | 1.1/2"            |
| GT48/50KNP | 1.1/2" | 2"                |
| GT52/38KNP | 2"     | 1.1/2"            |
| GT52/50KNP | 2"     | 2"                |

Tech Sheet 20089

Please refer to our Fluid Power Catalogue for more information

FLUID POWER



# Wire Reinforced Suction Hose

Page Tech Sheet 20214

## Wire Reinforced Suction Hose

Clear PVC reinforced with a tensile steel helix  
**Applications:** Suitable for the suction and discharge of water, slurry, chemicals, sewage, granules and other waste materials; can also be used for suction and discharge of foodstuffs.

**Pressures:** Values given are based on the short term burst pressure of the hose at 20°C based on a 3:1 safety factor.

**Note:** Any increase in temperature above 20°C will result in a decline in working pressure values.

**Chemical Resistance:** Resistant to most oxidising and reducing agents and diluted acids and alkalis. For more detailed information please contact technical sales.

**Approvals:** Hose complies fully to EU No.10/201 on plastic materials and articles intended to come into contact with food.

**Cold bend:** -45°C

**Vacuum:** 711mm Hg = 94% at 20°C



FLUID  
POWER



### Clear with Blue Wire Spiral, 10 Metre Coils

| 5997     | -ID-   | mm  | bar | mm  |
|----------|--------|-----|-----|-----|
| FX075-10 | 3/4"   | 3.4 | 6   | 80  |
| FX100-10 | 1"     | 4   | 6   | 100 |
| FX125-10 | 1.1/4" | 4.8 | 5   | 130 |
| FX150-10 | 1.1/2" | 5.5 | 5   | 155 |
| FX200-10 | 2"     | 7   | 5   | 200 |
| FX250-10 | 2.1/2" | 7   | 4   | 260 |
| FX300-10 | 3"     | 8   | 4   | 320 |
| FX400-10 | 4"     | 8   | 4   | 430 |

### Clear with Blue Wire Spiral, 30 Metre Coils

| 5997     | -ID-   | mm  | bar | mm  |
|----------|--------|-----|-----|-----|
| FX050-30 | 1/2"   | 3   | 6   | 50  |
| FX075-30 | 3/4"   | 3.4 | 6   | 80  |
| FX100-30 | 1"     | 4   | 6   | 100 |
| FX125-30 | 1.1/4" | 4.8 | 5   | 130 |
| FX150-30 | 1.1/2" | 5.5 | 5   | 155 |
| FX200-30 | 2"     | 7   | 5   | 200 |
| FX250-30 | 2.1/2" | 7   | 4   | 260 |
| FX300-30 | 3"     | 8   | 4   | 320 |
| FX400-30 | 4"     | 8   | 4   | 430 |


Please refer to our Fluid Power Catalogue for more information



## Industrial PU Ducting

This high performance ducting range is manufactured in Europe and is made from premium-grade ester polyurethane compound, reinforced with a copper coated spring steel helix.

**Applications:** transport hose for abrasive solids including: dust, powder, fibres, etc. Also suitable for extracting gaseous media such as oil vapours and welding fume.

 **Working Temperature:**  
-40°C to +90°C

**Intermittent to:**  
+125°C

- Excellent abrasion resistance
- Wire spiral reinforcement can be earthed
- Super flexible, low weight
- Small bend radius
- Resistant to oil, petrol and chemicals
- High tensile strength and tear resistance
- Good UV and ozone resistance

### New Features:

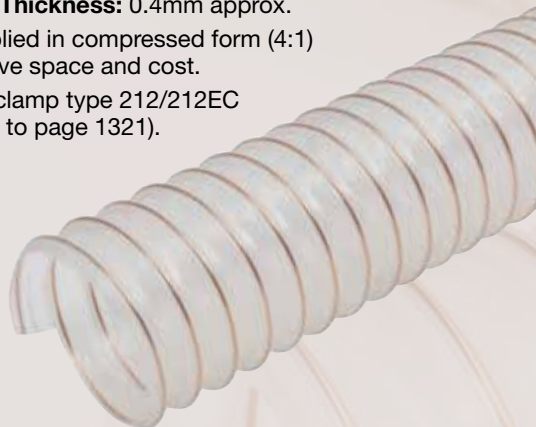
- New construction
- Higher vacuum rating
- Improved airflow

### Lightweight High Performance Polyurethane

**Wall Thickness:** 0.4mm approx.

Supplied in compressed form (4:1) to save space and cost.

Use clamp type 212/212EC (refer to page 1321).



### Medium Weight High Performance Polyurethane

**Wall Thickness:** 0.6mm approx.

Supplied in compressed form (4:1) to save space and cost.

Use clamp type 212/212EC (refer to page 1321).



0.4mm Wall Thickness, 10 Metres

| 0391      | ID mm | OD mm | bar   | Vacuum bar | kg per mt |
|-----------|-------|-------|-------|------------|-----------|
| PURLW-38  | 38    | 46    | 0.630 | 0.245      | 0.220     |
| PURLW-50  | 50    | 58    | 0.480 | 0.170      | 0.280     |
| PURLW-60  | 60    | 68    | 0.405 | 0.145      | 0.340     |
| PURLW-65  | 65    | 73    | 0.370 | 0.130      | 0.360     |
| PURLW-75  | 75    | 83    | 0.325 | 0.115      | 0.410     |
| PURLW-80  | 80    | 88    | 0.305 | 0.110      | 0.440     |
| PURLW-90  | 90    | 98    | 0.270 | 0.095      | 0.490     |
| PURLW-100 | 100   | 108   | 0.245 | 0.055      | 0.510     |
| PURLW-115 | 115   | 123   | 0.210 | 0.050      | 0.580     |
| PURLW-120 | 120   | 128   | 0.205 | 0.045      | 0.610     |
| PURLW-125 | 125   | 133   | 0.195 | 0.045      | 0.630     |
| PURLW-130 | 130   | 138   | 0.185 | 0.040      | 0.660     |
| PURLW-140 | 140   | 148   | 0.175 | 0.040      | 0.710     |
| PURLW-150 | 150   | 158   | 0.160 | 0.035      | 0.760     |
| PURLW-160 | 160   | 168   | 0.150 | 0.035      | 0.810     |
| PURLW-180 | 180   | 188   | 0.135 | 0.030      | 0.900     |
| PURLW-200 | 200   | 208   | 0.120 | 0.025      | 1.030     |
| PURLW-225 | 225   | 234   | 0.110 | 0.020      | 1.160     |
| PURLW-250 | 250   | 259   | 0.100 | 0.020      | 1.280     |

0.6mm Wall Thickness, 10 Metres

| 0391      | ID mm | OD mm | bar   | Vacuum bar | kg per mt |
|-----------|-------|-------|-------|------------|-----------|
| PURMW-38  | 38    | 45    | 1.075 | 0.355      | 0.220     |
| PURMW-50  | 50    | 58    | 0.820 | 0.220      | 0.370     |
| PURMW-60  | 60    | 68    | 0.685 | 0.180      | 0.430     |
| PURMW-65  | 65    | 73    | 0.635 | 0.165      | 0.460     |
| PURMW-75  | 75    | 83    | 0.550 | 0.145      | 0.530     |
| PURMW-80  | 80    | 88    | 0.515 | 0.135      | 0.570     |
| PURMW-90  | 90    | 98    | 0.460 | 0.120      | 0.630     |
| PURMW-100 | 100   | 108   | 0.415 | 0.080      | 0.670     |
| PURMW-115 | 115   | 123   | 0.360 | 0.070      | 0.760     |
| PURMW-120 | 120   | 128   | 0.345 | 0.065      | 0.790     |
| PURMW-125 | 125   | 133   | 0.335 | 0.065      | 0.830     |
| PURMW-130 | 130   | 138   | 0.320 | 0.060      | 0.860     |
| PURMW-140 | 140   | 148   | 0.295 | 0.055      | 0.920     |
| PURMW-150 | 150   | 158   | 0.275 | 0.055      | 0.990     |
| PURMW-160 | 160   | 168   | 0.260 | 0.050      | 1.050     |
| PURMW-180 | 180   | 188   | 0.230 | 0.045      | 1.170     |
| PURMW-200 | 200   | 208   | 0.210 | 0.030      | 1.330     |
| PURMW-225 | 225   | 233   | 0.185 | 0.025      | 1.480     |
| PURMW-250 | 250   | 258   | 0.165 | 0.025      | 1.640     |
| PURMW-300 | 300   | 309   | 0.140 | 0.020      | 2.140     |
| PURMW-350 | 350   | 359   | 0.120 | 0.020      | 2.490     |
| PURMW-400 | 400   | 409   | 0.105 | 0.015      | 2.840     |

Available per metre, contact sales for more information.

Please refer to our Fluid Power Catalogue for more information



# Superior Safety Compressed Air Hose Assemblies





DCH hose is manufactured with a special formula which will outperform PVC and rubber in all application requirements.

- Greater temperature range for all weather and environment applications
- Improved abrasion compared to both PVC and rubber
- Tensile strength 10% better than rubber up to 150kg
- Coupling retention tried and tested up to 200kg
- Excellent flexibility
- Full hose traceability

All assemblies are supplied complete with Jaymac safety claw couplings, rubber sealing ring and anti-vibration nuts.

- Condition:** lab temperature @ 25C
- Pressure test:** Burst pressure 72Bar,
- Hardness test:**
  - Inside layer:** 77A
  - Outside layer:** 72A
- Temperature test:** tested to -30°C
- NOTE:** Optimize bend radius at 25°C
- Peel strength:** 4.45kgf
- Expansion rate:** 2.4%
- Extension rate:** -4.7%

 **Working Temperature:** -30°C to +60°C

 **Maximum Working Pressure:** 20 bar 3:1 ratio

| Specification | ID | OD | Length | W.P. | B.P. | Bend Radius | Working Temperature |
|---------------|----|----|--------|------|------|-------------|---------------------|
| INCH          | MM | MM | M      | BAR  | BAR  | MM          |                     |
| 3/4           | 19 | 29 | 15     | 20   | 60   | 60          | -30°C to +60°C      |

Please refer to our Fluid Power Catalogue for more information





# HYDRAULIC HOSE RANGE

420 bar (6090 psi) – 10 bar (145 psi)

- Superior performance
- Superior quality
- Manufactured and tested to stringent international standards
- Competitively priced

#### The range consists of:

- EN853-1
- EN853-2
- MSHA approved EN853-2
- EN857-1SC compact
- EN857-2SC compact
- EN856-4SP
- EN856-4SH
- SAE100R17
- 100R4
- 100R6
- 100R6 coloured
- 100R7 thermoplastic
- 100R7 twin
- 100R8
- Wire braid steam hose
- PTFE convoluted and smooth bore
- Thermoplastic paint spray
- Thermoplastic sewer jetting

Proven reliability and effectiveness ensures that this range of hydraulic hose is used extensively in manufacturing facilities and in the mobile plant industry.

The hose is **colour coded** for easier identification and available for **special order** with the option of **customers' own branding\***.

#### Hose assembly service available

If you have any requirements for sizes or types of hose not shown in the catalogue please contact a member of our Business Development Team.

Tech Sheet  
5000

Please refer to our Fluid Power Catalogue for more information



# Retention System for Pressure Hoses

Prevent whipping of a pressurised hose in the event of the hose separating from its fitting



**SUITABLE FOR VARIOUS APPLICATIONS, INCLUDING:**

- DIN & BSP Fittings
- JIC Fittings
- SAE Flanges



- Protects both the operator and components
- Recommended by the International Hydraulic Safety Authority – the world leader in hydraulic safety training
- Suitable for all kinds of flexible hose
- Tested protection: compliant with EN 853, EN 854, EN 855, EN 856, EN 857, SAE J517

## How it works...



**1: Disengagement:**  
A hose disengages from its ferrule.



**2: Release/venting of pressure**  
The pressurised oil exits from the hose and the release of energy results in the hose gaining considerable velocity, triggering a hazardous “whip effect” which is very dangerous to anyone or anything in its vicinity.



**Step 3: Restraint**  
This is where the Stopflex system gets into operation: the stainless steel cable is tensioned and restrains the hose, preventing it from ‘whipping’. The plate cuts into the rubber of the hose, to ensure that the clamp remains firmly attached. The hose clamp and plate absorb the force released from the travel of the flexible hose. This critical step occurs within just a few seconds.

Please refer to our Fluid Power Catalogue for more information

FLUID  
POWER



Hy-fitt has a quality range of hydraulic quick release couplings which have been manufactured to the highest specification using quality materials.

The range consists of interchange couplings designed to meet or exceed ISO A, ISO B, Flat Faced ISO 16028, Trailer Break ISO 5676, Spin on High Pressure 88, 97 and 98 Series, in a variation of coated steel, stainless steel and brass.



Hy-fitt quick release couplings are tried, tested and used extensively throughout the world's manufacturing facilities and in the mobile plant industry.

## Applications:

- Hydraulics
- Offshore
- Construction
- Marine
- Agriculture
- High pressure water applications
- Mining
- OEM machine building

**NOW INCLUDES VITON SEALING OPTIONS FOR MORE AGGRESSIVE MEDIA**

Please refer to our Fluid Power Catalogue for more information



# The leader in coupling innovation

- DNP combine sophisticated complex technology, highly skilled and experienced operators, tight production and assembly controls, and systematic vigorous testing in order to produce a vast range of superior couplings.
- Quality assurance ISO 9002.
- Interchangeable couplings with other major manufacturers.
- The range consists of over 60 varieties of couplings, including ISO A, ISO B, flat face, screw/ISO 14541 and push-pull, with working pressures up to 1500 bar.
- The range also includes multi-coupling plates which allow simultaneous coupling and uncoupling of a certain number of hydraulic and/or electrical lines.



- Selected ranges (flat face – PVT4 BOP, PVTX BOP, PST4 BOP and ISO B – PBV1 BOP) come with Lloyds registered approval. The range is specially designed for blow-out preventer accumulator systems in the oil and gas market.



**FULL RANGE AVAILABLE**

**Tech Sheet 20574**

Please refer to our Fluid Power Catalogue for more information

FLUID POWER



## Metric Hydraulic Tubing

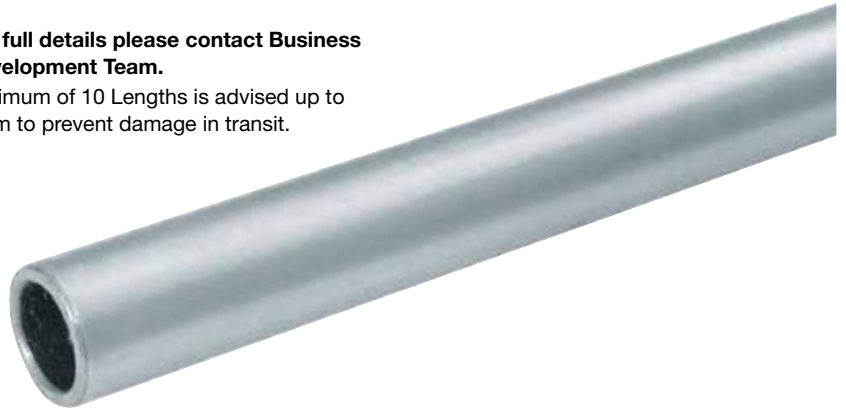
### Hydraulic Tubing

3 metre lengths next day.

6 metre lengths may take up to 3 working days to be delivered, dependant on weight and delivery address location. Additional carriage charges may apply.

For full details please contact Business Development Team.

Minimum of 10 Lengths is advised up to 8mm to prevent damage in transit.



#### Chrome 6 Free, 3 Metre Lengths

| 0201          | OD mm | Wt mm | Pressure Kg/cm <sup>2</sup> |
|---------------|-------|-------|-----------------------------|
| HST4X1.0-C6F  | 4     | 1     | 624                         |
| HST6X1.0-C6F  | 6     | 1     | 365                         |
| HST6X1.5-C6F  | 6     | 1.5   | 624                         |
| HST6X2.0-C6F  | 6     | 2     | 989                         |
| HST8X1.0-C6F  | 8     | 1     | 259                         |
| HST8X1.5-C6F  | 8     | 1.5   | 423                         |
| HST8X2.0-C6F  | 8     | 2     | 624                         |
| HST10X1.0-C6F | 10    | 1     | 201                         |
| HST10X1.5-C6F | 10    | 1.5   | 321                         |
| HST10X2.0-C6F | 10    | 2     | 460                         |
| HST12X1.0-C6F | 12    | 1     | 164                         |
| HST12X1.5-C6F | 12    | 1.5   | 259                         |
| HST12X2.0-C6F | 12    | 2     | 365                         |
| HST14X1.5-C6F | 14    | 1.5   | 217                         |
| HST14X2.0-C6F | 14    | 2     | 303                         |
| HST15X1.5-C6F | 15    | 1.5   | 201                         |
| HST15X2.0-C6F | 15    | 2     | 279                         |
| HST16X1.5-C6F | 16    | 1.5   | 187                         |
| HST16X2.0-C6F | 16    | 2     | 259                         |
| HST16X2.5-C6F | 16    | 2.5   | 337                         |
| HST16X3.0-C6F | 16    | 3     | 423                         |
| HST18X1.5-C6F | 18    | 1.5   | 164                         |
| HST18X2.0-C6F | 18    | 2     | 226                         |
| HST18X2.5-C6F | 18    | 2.5   | 300                         |
| HST20X2.0-C6F | 20    | 2     | 201                         |
| HST20X2.5-C6F | 20    | 2.5   | 259                         |
| HST20X3.0-C6F | 20    | 3     | 321                         |
| HST20X3.5-C6F | 20    | 3.5   | 388                         |
| HST20X4.0-C6F | 20    | 4     | 460                         |
| HST22X1.5-C6F | 22    | 1.5   | 132                         |
| HST22X2.0-C6F | 22    | 2     | 181                         |
| HST22X2.5-C6F | 22    | 2.5   | 232                         |
| HST25X1.5-C6F | 25    | 1.5   | 115                         |
| HST25X2.0-C6F | 25    | 2     | 157                         |
| HST25X2.5-C6F | 25    | 2.5   | 201                         |
| HST25X3.0-C6F | 25    | 3     | 247                         |
| HST25X4.0-C6F | 25    | 4     | 347                         |
| HST28X1.5-C6F | 28    | 1.5   | 102                         |
| HST28X2.0-C6F | 28    | 2     | 139                         |
| HST28X2.5-C6F | 28    | 2.5   | 177                         |
| HST28X3.0-C6F | 28    | 3     | 217                         |
| HST30X2.5-C6F | 30    | 2.5   | 164                         |
| HST30X3.0-C6F | 30    | 3     | 201                         |
| HST30X4.0-C6F | 30    | 4     | 279                         |
| HST35X2.0-C6F | 35    | 2     | 109                         |
| HST35X2.5-C6F | 35    | 2.5   | 139                         |
| HST35X3.0-C6F | 35    | 3     | 169                         |
| HST35X5.0-C6F | 35    | 5     | 303                         |
| HST38X3.0-C6F | 38    | 3     | 155                         |
| HST38X4.0-C6F | 38    | 4     | 213                         |
| HST42X3.0-C6F | 42    | 3     | 139                         |
| HST42X4.0-C6F | 42    | 4     | 190                         |
| HST50X3.0-C6F | 50    | 3     | 115                         |
| HST50X5.0-C6F | 50    | 5     | 201                         |
| HST50X6.0-C6F | 50    | 6     | 247                         |

#### Chrome 6 Free, 6 Metre Lengths

| 0201             | OD mm | Wt mm | Pressure Kg/cm <sup>2</sup> |
|------------------|-------|-------|-----------------------------|
| HST10X1.0-C6F-6M | 10    | 1     | 201                         |
| HST10X1.5-C6F-6M | 10    | 1.5   | 321                         |
| HST10X2.0-C6F-6M | 10    | 2     | 460                         |
| HST12X1.0-C6F-6M | 12    | 1     | 164                         |
| HST12X1.5-C6F-6M | 12    | 1.5   | 259                         |
| HST12X2.0-C6F-6M | 12    | 2     | 365                         |
| HST14X1.5-C6F-6M | 14    | 1.5   | 217                         |
| HST14X2.0-C6F-6M | 14    | 2     | 303                         |
| HST15X1.5-C6F-6M | 15    | 1.5   | 201                         |
| HST15X2.0-C6F-6M | 15    | 2     | 279                         |
| HST16X1.5-C6F-6M | 16    | 1.5   | 187                         |
| HST16X2.0-C6F-6M | 16    | 2     | 259                         |
| HST16X2.5-C6F-6M | 16    | 2.5   | 337                         |
| HST16X3.0-C6F-6M | 16    | 3     | 423                         |
| HST18X1.5-C6F-6M | 18    | 1.5   | 164                         |
| HST18X2.0-C6F-6M | 18    | 2     | 226                         |
| HST18X2.5-C6F-6M | 18    | 2.5   | 392                         |
| HST20X2.0-C6F-6M | 20    | 2     | 201                         |
| HST20X2.5-C6F-6M | 20    | 2.5   | 259                         |
| HST20X3.0-C6F-6M | 20    | 3     | 321                         |
| HST20X3.5-C6F-6M | 20    | 3.5   | 388                         |
| HST20X4.0-C6F-6M | 20    | 4     | 460                         |
| HST22X1.5-C6F-6M | 22    | 1.5   | 132                         |
| HST22X2.0-C6F-6M | 22    | 2     | 181                         |
| HST22X2.5-C6F-6M | 22    | 2.5   | 232                         |
| HST25X1.5-C6F-6M | 25    | 1.5   | 115                         |
| HST25X2.0-C6F-6M | 25    | 2     | 157                         |
| HST25X2.5-C6F-6M | 25    | 2.5   | 232                         |
| HST25X3.0-C6F-6M | 25    | 3     | 247                         |
| HST25X4.0-C6F-6M | 25    | 4     | 347                         |
| HST28X1.5-C6F-6M | 28    | 1.5   | 102                         |
| HST28X2.0-C6F-6M | 28    | 2     | 139                         |
| HST28X2.5-C6F-6M | 28    | 2.5   | 177                         |
| HST28X3.0-C6F-6M | 28    | 3     | 217                         |
| HST30X2.5-C6F-6M | 30    | 2.5   | 164                         |
| HST30X3.0-C6F-6M | 30    | 3     | 201                         |
| HST30X4.0-C6F-6M | 30    | 4     | 279                         |
| HST35X2.0-C6F-6M | 35    | 2     | 109                         |
| HST35X2.5-C6F-6M | 35    | 2.5   | 139                         |
| HST35X3.0-C6F-6M | 35    | 3     | 169                         |
| HST35X5.0-C6F-6M | 35    | 5     | 303                         |
| HST38X3.0-C6F-6M | 38    | 3     | 155                         |
| HST38X4.0-C6F-6M | 38    | 4     | 213                         |
| HST42X3.0-C6F-6M | 42    | 3     | 139                         |
| HST42X4.0-C6F-6M | 42    | 4     | 190                         |
| HST50X3.0-C6F-6M | 50    | 3     | 115                         |
| HST50X5.0-C6F-6M | 50    | 5     | 201                         |
| HST50X6.0-C6F-6M | 50    | 6     | 247                         |

#### Chrome 6 Free, 6 Metre Lengths, Bundles of 10 (Price Each)

| 0201            | OD mm | Wt mm | Pressure Kg/cm <sup>2</sup> |
|-----------------|-------|-------|-----------------------------|
| HST4X1.0-C6F-6M | 4     | 1     | 624                         |
| HST6X1.0-C6F-6M | 6     | 1     | 365                         |
| HST6X1.5-C6F-6M | 6     | 1.5   | 624                         |
| HST6X2.0-C6F-6M | 6     | 2     | 989                         |
| HST8X1.0-C6F-6M | 8     | 1     | 259                         |
| HST8X1.5-C6F-6M | 8     | 1.5   | 423                         |
| HST8X2.0-C6F-6M | 8     | 2     | 624                         |

FLUID POWER

Please refer to our Fluid Power Catalogue for more information



# HYDRAULIC TUBE CLAMPS

Our quality range of Hydraulic Tube Clamps have been manufactured to the highest specifications using quality materials and conforms to DIN 3015 and DIN 3570 Standards.

## The vast range includes:

Light, heavy and double units in sizes ranging from 6mm to 168.3mm. Body materials of polypropylene, polyamide, rubber and aluminium, also with plates and bolts in steel (zinc plated) and stainless steel offering anti-corrosion and fire retardant options. U bolts, pipe saddles, steel clamps and O clamps are available.

The range is tried, tested and used extensively throughout the world's manufacturing facilities and in the mobile plant industry.

If you have any requirements for sizes or types of clamps not shown in the catalogue, please contact a member of our sales team.

## Applications:

- Hydraulics
- Construction
- Agriculture
- Mining
- OEM Machine Building
- Offshore
- Marine
- Automotive Technology
- Machine Tool
- Lubrication Systems



**RBS clamps according to DIN 3015 are DNV certified**

Please refer to our Fluid Power Catalogue for more information



# Walform Machine Hire



Most popular cold forming tube fitting system in the world!

Hassle free hire includes:

- **Walform machine**
- **Tooling**
- **Shipping and Collection**

Hire available now with an order for Eaton Walterscheid compression fittings, tube and clamps

Contact your Account Manager to discuss your requirements

FLUID  
POWER

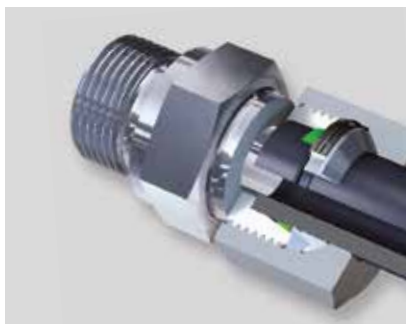
## Eaton's Walterscheid Trilogy

- Simple final in service assembly with prefabricated tube ends
- Best in class performance
- Maximum system stability & safety
- Superior quality
- Global availability

### WALPRO™



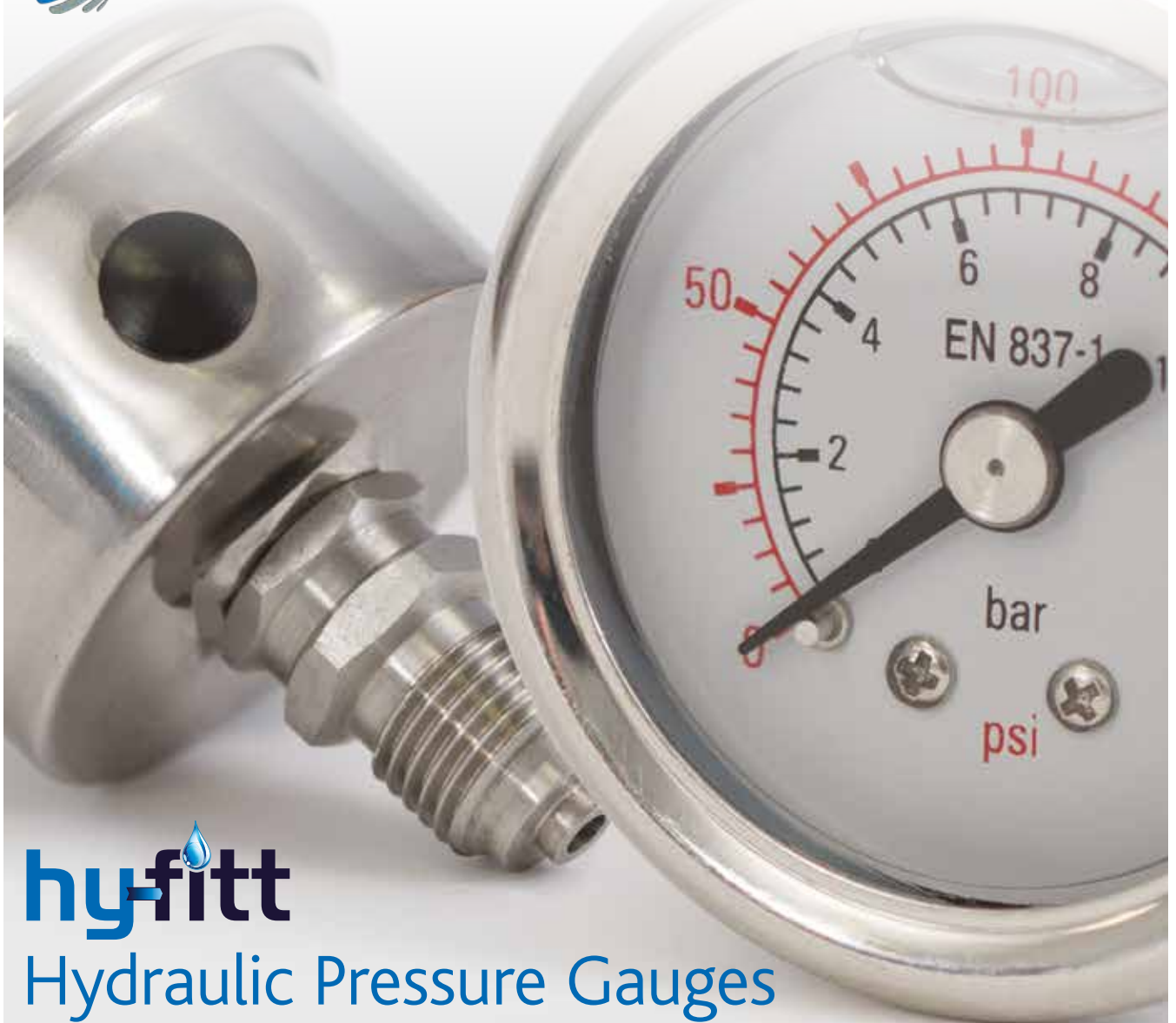
### WALRING™



### WALFORM™



Please refer to our Fluid Power Catalogue for more information



# hyfitt

## Hydraulic Pressure Gauges

This quality range of hydraulic glycerine-filled pressure gauges have been manufactured to the highest specification using quality materials.

The range includes stainless steel cased to complete stainless steel units with 40mm, 63mm and 100mm dials. Pressures range from 0-1 bar to 0-600 bar, with rear and bottom connections of 1/4" and 1/2" in BSPP and BSPT.

Hy-fitt gauges are tried, tested and used extensively throughout the world's manufacturing facilities and in the mobile plant industry.

*For your peace of mind all gauges can be supplied with a calibration certificate at a nominal charge.*

### Applications:

- Hydraulics
- Construction
- Agriculture
- Mining
- OEM machine building
- Offshore
- Marine
- High pressure water applications
- Service kits



Please refer to our Fluid Power Catalogue for more information





# Pressure Gauges

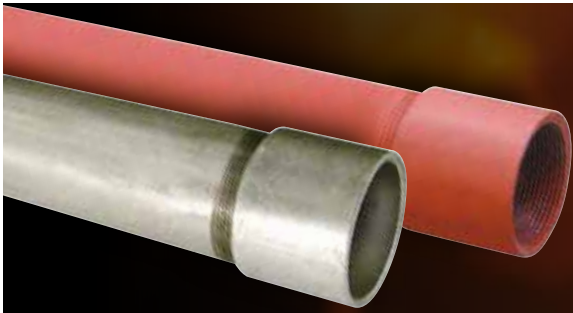
Air-Pro dry gauges are a market leading range offering a reliable solution for pressure monitoring within pneumatic systems.

Used extensively throughout the world's manufacturing facilities, all units have been 100% pressure tested and inspected, so quality can be guaranteed.

## Applications:

- Construction • Chemical • Agriculture • Offshore • Mining
- Automotive • OEM machine • Rail building • Industrial

Please refer to our Fluid Power Catalogue for more information



# MASTERS OF MALLEABLE IRON

The most extensive choice of **MALLEABLE IRON** to suit any application and any budget

The choice of fittings is very much dependent on the application, the engineer's reference and budget. With a choice of five brands, large stocks and speedy delivery, there's no need to look any further.

| Brand | Duty  | Fitting Variations* | Beaded | Banded | Thread                      | BSI Kitemarked® | Up to 4" | Up to 5" | Up to 6" | WRAS approved | Max Temp | Max Working Pressure | Casting: ISO5922 | Threads: ISO 7-1 | Manufactured: according to EN 10142 and ISO 49 | Design: ISO49, BS EN 10242w | Testing: BS 143 & 1256 | Materials: ASTM A-197, ASTM A47 |
|-------|-------|---------------------|--------|--------|-----------------------------|-----------------|----------|----------|----------|---------------|----------|----------------------|------------------|------------------|--|-----------------------------|------------------------|---------------------------------|
| EE    | Heavy | 26                  | Y      |        | Male Taper, Female Parallel |                 | Y        |          |          |               | 300**    | 25**                 | Y                | Y                | Y  | Y                           |                        |                                 |

For full technical specification, please contact the manufacturer.

\* Excludes brackets, nuts, flanges, plates and rings.

\*\* Maximum temperature +120°C at maximum working pressure of 20 bar.

## Beaded Range

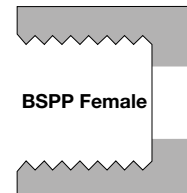
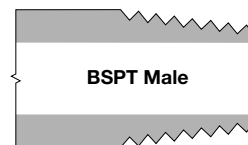
- Male Taper, Female Parallel – EN10226-1
- Available in black or galvanised finish
- Heavy duty ranges manufactured in accordance with EN 10142

### Parallel Pipe Thread to EN10226-1 Standard

- 55° thread angle

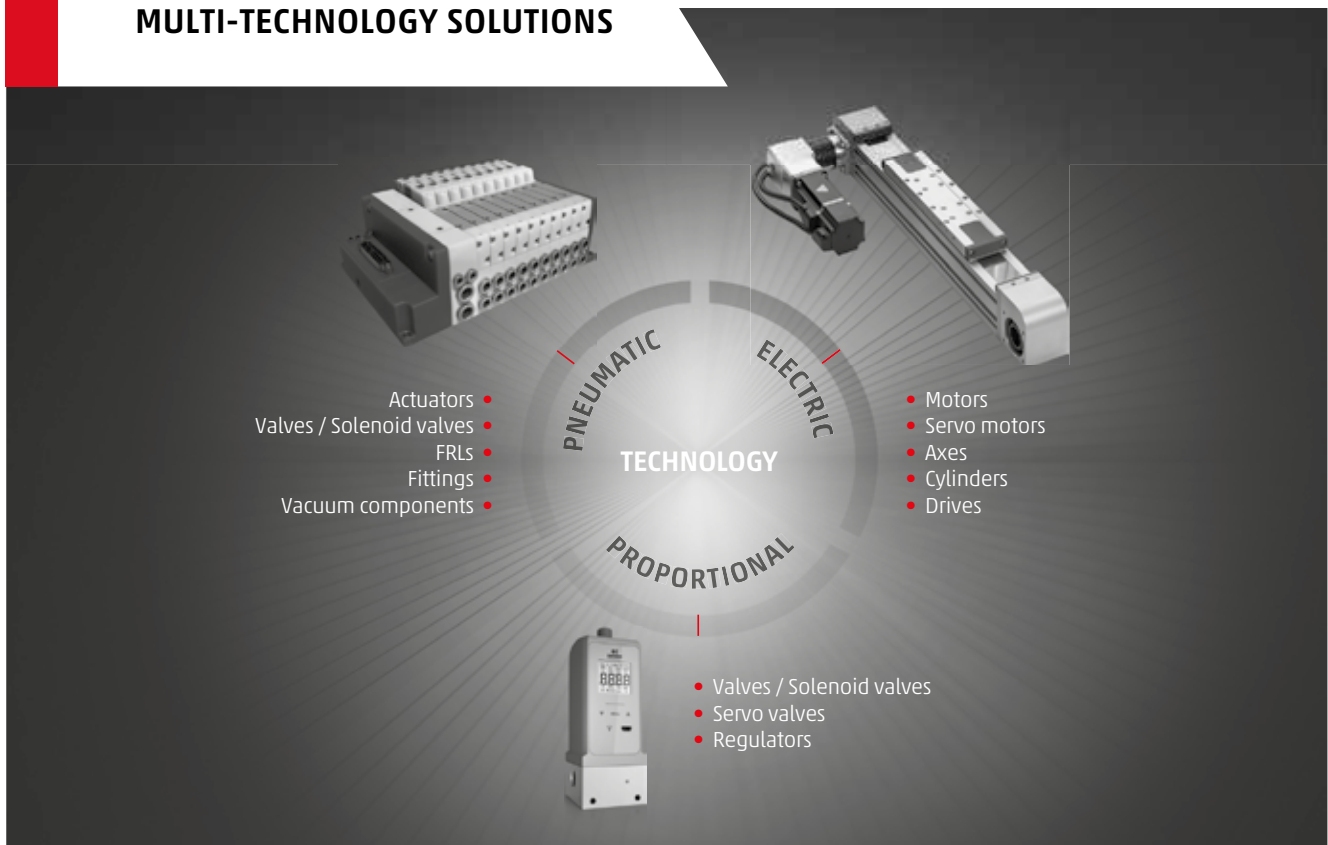
### BS EN 10241 from K-Line Connect

- From 1/8" to 4" thread
- Lengths up to 300mm



Please refer to our Fluid Power Catalogue for more information

## CAMOZZI AUTOMATION YOUR BEST CHOICE FOR MULTI-TECHNOLOGY SOLUTIONS



### More than just pneumatics

Camozzi's multi-technological approach makes it possible to offer an optimal solution for every application by choosing from the best pneumatic, electric and proportional technologies available.

This process requires a depth of expertise that not only addresses both the characteristics of technologies and products, but also considers the functional requirements of the end application.



INDUSTRIAL AUTOMATION



LIFE SCIENCE



TRANSPORTATION



## Series 16, 23, 24 and 25 Mini-Cylinders

Single-acting and double-acting - CETOP RP52-P DIN/ISO 6432

Series 16:  $\varnothing$  8, 10, 12 mm

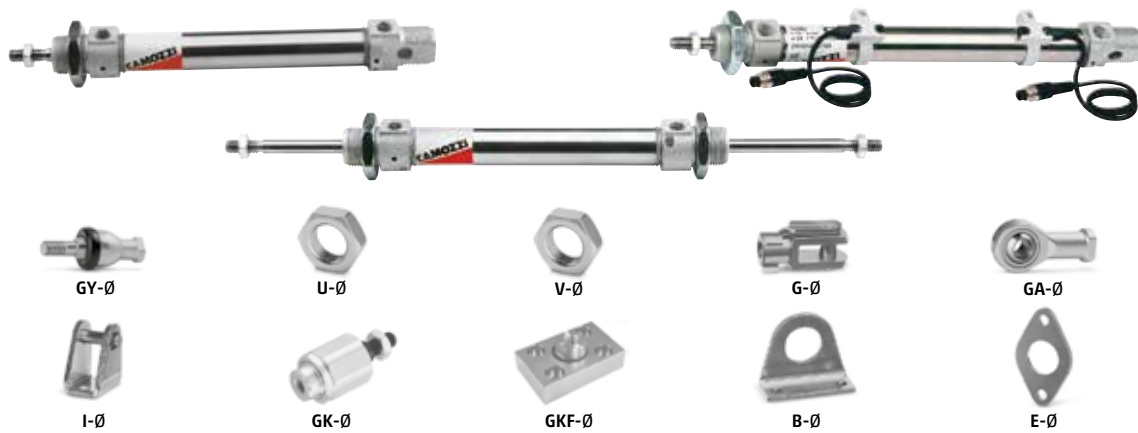
Series 23:  $\varnothing$  16, 20, 25 mm - magnetic, auto-cushioned

Series 24:  $\varnothing$  16, 20, 25 mm - magnetic

Series 25:  $\varnothing$  16, 20, 25 mm - magnetic cushioned



\*Series 23 not currently included



### CODING EXAMPLE

|           |  |          |          |            |   |            |          |
|-----------|--|----------|----------|------------|---|------------|----------|
| <b>24</b> | <b>N</b>   | <b>2</b> | <b>A</b> | <b>16</b>  | <b>A</b>  | <b>100</b> | <b>-</b> |
| <b>24</b> | <b>SERIES:</b><br>16 = non-magnetic<br>23 = magnetic, auto-cushioning<br>24 = magnetic<br>25 = magnetic adjustable cushioning                    |          |          | <b>16</b>  | <b>BORE:</b><br>8, 10, 12, 16, 20, 25mm   |            |          |
| <b>N</b>  | <b>VERSION:</b><br>N = standard  |          |          | <b>A</b>   | <b>TYPE OF BRACKET:</b><br>A = standard (screw with ring + lock nut for rod)<br>RL = cylinder with rod lock $\varnothing$ 20 - $\varnothing$ 25 |            |          |
| <b>2</b>  | <b>OPERATION:</b><br>1 = single-acting (front spring)<br>2 = double-acting<br>3 = double-acting (through rod)<br>7 = single-acting (through rod) |          |          | <b>100</b> | <b>STROKE:</b><br>(see table)   |            |          |
| <b>A</b>  | <b>MATERIALS:</b><br>A = rolled stainless steel AISI 303 rod, stainless steel AISI 304 tube, anodized AL end-blocks                              |          |          | <b>-</b>   | <b>SPECIAL:</b> to be specified<br>V = Rod Seal Viton<br>W = all seals in FKM, +130°C (for series 25 only)<br>( _ _ ) = extended rod _ _ _ mm   |            |          |

FLUID POWER

### STANDARD STROKES FOR MINICYLINDERS SERIES 16-23-24-25

- Double-acting
- ✱ Single-acting

| standard strokes |               | 10  | 25  | 40  | 50  | 80 | 100 | 125 | 160 | 200 | 250 | 300 | 320 | 400 | 500 |
|------------------|---------------|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| series           | $\varnothing$ |     |     |     |     |    |     |     |     |     |     |     |     |     |     |
| 16               | 8             | ■ ✱ | ■ ✱ | ■ ✱ | ■ ✱ | ■  | ■   | ■   | ■   | ■   |     |     |     |     |     |
| 16               | 10            | ■ ✱ | ■ ✱ | ■ ✱ | ■ ✱ | ■  | ■   | ■   | ■   | ■   |     |     |     |     |     |
| 16               | 12            | ■ ✱ | ■ ✱ | ■ ✱ | ■ ✱ | ■  | ■   | ■   | ■   | ■   |     |     |     |     |     |
| 24               | 16            | ■ ✱ | ■ ✱ | ■ ✱ | ■ ✱ | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 24               | 20            | ■ ✱ | ■ ✱ | ■ ✱ | ■ ✱ | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 24               | 25            | ■ ✱ | ■ ✱ | ■ ✱ | ■ ✱ | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 23/25            | 16            | ■   | ■   | ■   | ■   | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 23/25            | 20            | ■   | ■   | ■   | ■   | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 23/25            | 25            | ■   | ■   | ■   | ■   | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |

## Series 61 Cylinders - Aluminium Profile

ISO 15552 - DIN/ISO 6431 - VDMA 24562

Single and double-acting, magnetic, cushioned. Standard, low friction, low temperatures and tandem versions

∅ 32 - 40 - 50 - 63 - 80 - 100 - 125mm



### CODING EXAMPLE

|           |          |          |          |            |          |             |          |
|-----------|----------|----------|----------|------------|----------|-------------|----------|
| <b>61</b> | <b>M</b> | <b>2</b> | <b>P</b> | <b>050</b> | <b>A</b> | <b>0200</b> | <b>-</b> |
|-----------|----------|----------|----------|------------|----------|-------------|----------|

|           |  |             |   |
|-----------|--|-------------|---|
| <b>61</b> | SERIES:<br>61 = from ∅32 - 125<br>DIN/ISO 15552  | <b>050</b>  | BORE:<br>32, 40, 50, 63, 80, 100, 125mm   |
| <b>M</b>  | VERSION:<br>M = magnetic<br>N = non magnetic<br>L = Low friction, magnetic   | <b>A</b>    | CONSTRUCTION:<br>A = standard with rod nut<br>RL = cylinder with rod lock   |
| <b>2</b>  | OPERATION:<br>1 = single-acting (front spring)<br>2 = double-acting (front and rear cushions)<br>3 = double-acting (no cushion)<br>4 = double-acting (rear cushions)<br>5 = double-acting (front cushion)<br>6 = double-acting (through-rod with front and rear cushions)<br>7 = single-acting (through-rod) | <b>0200</b> | STROKE:<br>(see table)  |
| <b>P</b>  | MATERIALS:<br>P = rolled stainless steel rod, AISI 420B anodised profile aluminium tube<br>NBR seals - rod seals polyurethane, nuts and tie-rods zinc-plated steel<br>(See full technical catalogue for all options)   |             | <ul style="list-style-type: none"> <li>= standard</li> <li>V = FKM rod seal</li> <li>N = tandem</li> <li>R = NBR rod seal</li> <li>W = all FKM seals +130°C</li> <li>C = PU coated cylinder. Colour: Grey*</li> <li>L = low friction version without rod seal (rear supply only)**</li> <li>( _ _ ) = extended piston rod _ _ _ mm</li> <li>G = with brass rod scraper (chrome plated stainless steel AISI 420B rod, NBR rod seal) [∅ 125 excepted]</li> </ul> <p>*Version C: available on request.<br/>***The possibility to order the cylinder without piston rod seal, further reduces the friction force.</p> |

61M2P = standard version in stock (32 - 100)

Note: All cylinder are supplied with rod nuts. The accessories are supplied separately

### STANDARD STROKES FOR CYLINDERS SERIES 61

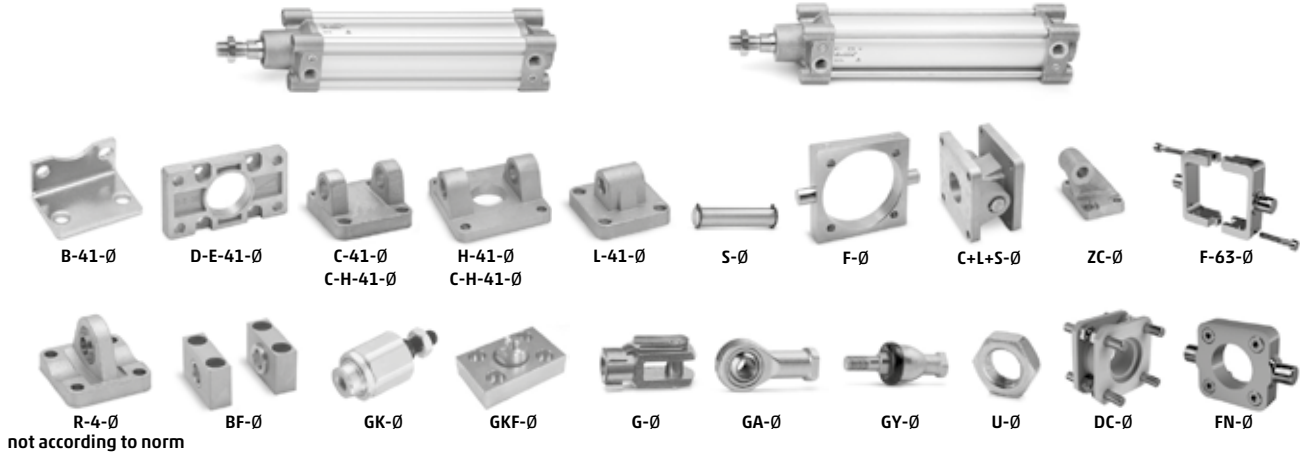
- Double-acting (standard and low friction versions)  
Other strokes up to 2500 mm are available on request
- \* Single-acting (standard versions)

| standard strokes | ∅  | 25 | 50 | 75 | 80 | 100 | 125 | 150 | 160 | 200 | 250 | 300 | 320 | 400 | 500 |
|------------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 32               | ■* | ■* | ■* | ■  | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 40               | ■* | ■* | ■* | ■  | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 50               | ■* | ■* | ■* | ■  | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 63               | ■* | ■* | ■* | ■  | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 80               | ■* | ■* | ■* | ■  | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 100              |    | ■* | ■* | ■  | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 125              |    | ■  | ■  | ■  | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |

FLUID POWER

## Series 63 Cylinders - ISO 15552

Single and double-acting, magnetic, cushioned.  
Standard, low friction, high and low temperatures  
Ø 32, 40, 50, 63, 80, 100, 125 mm.



### CODING EXAMPLE

|           |          |          |          |          |            |          |             |          |  |  |  |  |
|-----------|----------|----------|----------|----------|------------|----------|-------------|----------|--|--|--|--|
| <b>63</b> | <b>M</b> | <b>P</b> | <b>2</b> | <b>C</b> | <b>050</b> | <b>A</b> | <b>0200</b> | <b>W</b> |  |  |  |  |
|-----------|----------|----------|----------|----------|------------|----------|-------------|----------|--|--|--|--|

|             |   |          |   |
|-------------|---|----------|---|
| <b>63</b>   | SERIES: 63  | <b>W</b> | TEMPERATURE RANGE:<br>= standard (-20°C/+80°C)<br>W = high temperatures (150°C)<br>Z = low temperatures (-40°C)<br>Y = low temperatures (-50°C)   |
| <b>M</b>    | VERSION:<br>M = standard, magnetic<br>V = smooth movement (low speed), magnetic<br>L = Low friction, magnetic   |          |   |
| <b>P</b>    | CONSTRUCTION:<br>T = round tube<br>P = profile  |          | RESISTANCE TO CORROSION:<br>= standard<br>C1 = rod nut AISI 304 stainless steel, rod AISI 304 stainless steel<br>C2 = end cap treated screws (profile) or AISI 303 tie-rods and AISI 420B tie-rods (round tube)<br>C3 = C2 + AISI 316 rod nut, AISI 316 rod<br>C4 = C1 + C2<br>C5 = C3 + end caps with triple protection  |
| <b>2</b>    | OPERATION:<br>1 = single-acting, front spring<br>2 = double-acting<br>6 = double-acting, through-rod<br>7 = single-acting, through-rod<br>9 = single-acting, rear spring  |          |   |
| <b>C</b>    | CUSHIONING:<br>N = no cushioning (mechanical endstops)<br>C = cushioning on both sides<br>F = front cushioning<br>R = rear cushioning   |          | ROD VARIATIONS:<br>= standard (male rod thread)<br>F = female rod thread<br>K = end caps with Kanigen treatment<br>L = without rod seal (rear air inlet only) V = FKM rod seal<br>R = NBR rod seal<br>U = unlubricated operation<br>H = hydrolytic environment<br>A = use in food and other frequent washdown applications<br>G = dry and dusty environments (with brass rod scraper and chrome-plated stainless steel AISI 420B rod)<br>B = cylinder with NBR bellow rod protection<br>B2 = cylinder with through rod and NBR bellow rod protection on both sides<br>(___) = rod longer than ___mm |
| <b>050</b>  | BORE:<br>32, 40, 50, 63, 80, 100, 125mm   |          |   |
| <b>A</b>    | CONSTRUCTION:<br>A = standard with rod nut<br>RL = cylinder with rod lock<br>DC = back to back cylinder with DC accessory (X1/X2)<br>TR = back to back cylinder for round tube (X1/X2)<br>F = cylinder with centre trunnion |          |   |
| <b>0200</b> | STROKE:<br>= standard<br>N = tandem<br>/ = more positions X1/X2 (X1<X2)   |          | OTHER:<br>P = cylinder with RAL 7035 polyurethane coating   |
|             |   |          | CERTIFICATIONS:<br>EX = ATEX  |

FLUID POWER

## STANDARD STROKES FOR CYLINDERS SERIES 63

- Double-acting, (standard, low friction, high/low temperatures)
- ★ Single-acting front spring (standard, high/low temperature)
- ▲ Single-acting, rear spring (standard, high/low temperatures)

| standard strokes |       |       |     |    |     |     |     |     |     |     |     |     |     |     |
|------------------|-------|-------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ∅                | 25    | 50    | 75  | 80 | 100 | 125 | 150 | 160 | 200 | 250 | 300 | 320 | 400 | 500 |
| 32               | ■ ★ ▲ | ■ ★ ▲ | ■ ★ | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 40               | ■ ★ ▲ | ■ ★ ▲ | ■ ★ | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 50               | ■ ★ ▲ | ■ ★ ▲ | ■ ★ | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 63               | ■ ★ ▲ | ■ ★ ▲ | ■ ★ | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 80               | ■ ★ ▲ | ■ ★ ▲ | ■ ★ | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 100              |       | ■ ★ ▲ | ■ ★ | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| 125              |       | ■ ★ ▲ | ■ ★ | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   |

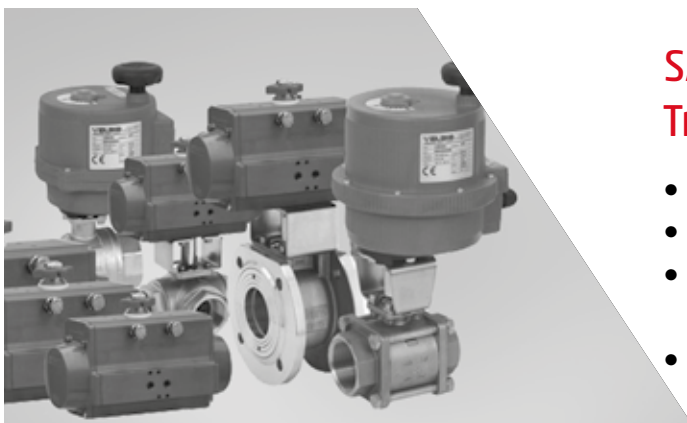
## UK Cylinder Service



### Reduce Lead Times for Pneumatic Cylinders

- Built the same or next day
- Includes many cylinder types

## Actuated Valve Assemblies



### SAME DAY DESPATCH Try the service today!

- Pneumatic and Electric Actuators
- Single and Double Acting
- Comprehensive Range of Valves (Ex-Stock)
- Fully Assembled and Tested

# Series 4 Valves and Solenoid Valves

3/2, 5/2 and 5/3 way CC CO CP

Connections: 1/8, 1/4 and 1/2. Full range available.

|                       |  |                       |  |                       |  |                       |  |
|-----------------------|--|-----------------------|--|-----------------------|--|-----------------------|--|
|                       |  |                       |  |                       |  |                       |  |
| 438-015-22*           |  | 438-011-22*           |  | 458-015-22*           |  | 458-011-22*           |  |
| *Coil sold separately |  | *Coil sold separately |  | *Coil sold separately |  | *Coil sold separately |  |
|                       |  |                       |  |                       |  |                       |  |
| 434-015-22*           |  | 434-011-22*           |  | 454-015-22*           |  | 454-011-22*           |  |
| *Coil sold separately |  | *Coil sold separately |  | *Coil sold separately |  | *Coil sold separately |  |
|                       |  |                       |  |                       |  |                       |  |
| 438-35                |  | 458-35                |  | 438-33                |  | 458-33                |  |
|                       |  |                       |  |                       |  |                       |  |
| 434-35                |  | 454-35                |  | 434-33                |  | 454-33                |  |

## Full Range Available:

Valve Islands  
- UK Assembly



Mechanical and  
Manual Valves



Flow Control Valves



Automatic Valves



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## Series MX Filter-Regulators

Connections: MX2=3/8, 1/2, 3/4 MX3=3/4, 1. Modular  
Bowl with technopolymer cover and bayonet-type mounting



### CODING EXAMPLE

**MX 2 - 1/2 - FR 0 0 0 4 M - LH**

|   |  |
|---|--|
| <b>MX</b> Series: MX  | <b>0</b> DRAINING OF CONDENSATE:<br>0 = semi-automatic manual drain (standard - only for polymer bowl)<br>3 = automatic drain<br>5 = depressuring drain, protected (only for polymer bowl)<br>8 = without drain with connection 1/8  |
| <b>2</b> SIZE:<br>2 = 3/8 - 1/2 - 3/4<br>3 = 3/4 - 1  | <b>0</b> OPERATING PRESSURE:<br>0 = 0.5 - 10 bar (standard)<br>4 = 0 - 4 bar<br>7 = 0.5 - 7 bar (MX2 only)   |
| <b>3/8</b> CONNECTIONS:<br>3/8, 1/2, 3/4, 1   | <b>4</b> PRESSURE GAUGE:<br>0 = without pressure gauge<br>2 = with built-in pressure gauge 0-6 and working pressure 0-4 bar<br>3 = with built-in pressure gauge 0-10 and working pressure 0-7 bar (MX2 only)<br>4 = with built-in pressure gauge 0-12 and working pressure 0.5 - 10 bar (standard) |
| <b>FR</b> FILTER REGULATOR  |  |
| <b>0</b> FILTERING ELEMENT WITH DESIGN TYPE:<br>0 = 25µm with relieving (standard)<br>1 = 5µm with relieving<br>2 = 25µm without relieving<br>3 = 5µm without relieving | <b>M</b> TYPE OF BOWL:<br>= polymer (standard)<br>M = metal (only for MX2-1/2 and MX3-1)   |
|   | <b>LH</b> FLOW DIRECTION:<br>= from left to right (standard)<br>LH = from right to left  |

FLUID  
POWER

## Air Treatment Box Sets



### Reduce costs and save time

- 1/2 & 3/8
- Removes Contaminants
- Controls Pressure
- Extends Component Service Life
- Increased Safety

## Series MX Filters

Connections: MX2=3/8, 1/2, 3/4  
 MX3=3/4, 1. Modular  
 Bowl with technopolymer cover and bayonet-type mounting



### CODING EXAMPLE

**MX** | **2** | - | **1/2** | - | **F** | **0** | **0** | **M** | **1** | - | **LH**

|            |  |           |  |
|------------|--|-----------|--|
| <b>MX</b>  | SERIES: MX   | <b>0</b>  | DRAINING OF CONDENSATE:<br>0 = semi-automatic manual drain (standard - only for polymer bowl)<br>3 = automatic drain<br>5 = depressuring drain, protected (only for polymer bowl)<br>8 = without drain with connection 1/8 |
| <b>2</b>   | SIZE:<br>2 = 3/8 - 1/2 - 3/4<br>3 = 3/4 - 1          | <b>M</b>  | TYPE OF BOWL:<br>= polymer (standard)<br>M = metal (only for MX2-1/2 and MX3-1)  |
| <b>1/2</b> | CONNECTIONS:<br>3/8, 1/2, 3/4, 1                     | <b>1</b>  | VISUAL BLOCKAGE INDICATOR:<br>= not present<br>1 = present   |
| <b>F</b>   | FILTER   | <b>LH</b> | FLOW DIRECTION:<br>= from left to right (standard)<br>LH = from right to left  |
| <b>0</b>   | FILTERING ELEMENT:<br>0 = 25µm (standard)<br>1 = 5µm |           |  |

## Series MX Pressure Regulators

Connections: MX2=3/8, 1/2, 3/4  
 MX3=3/4, 1. Manifold Connections: 1/2 (MX2 only)  
 Modular - Available with built-in pressure gauges or with connection for external gauge



### CODING EXAMPLE

**MX** | **2** | - | **3/8** | - | **R** | **0** | **0** | **4** | - | **LH**

|            |   |           |   |
|------------|---|-----------|---|
| <b>MX</b>  | SERIES: MX  | <b>0</b>  | DESIGN TYPE:<br>0 = relieving (standard)<br>1 = without relieving<br>2 = relieving, with by-pass valve (only regulator)<br>3 = without relieving, with by-pass valves (only regulator)  |
| <b>2</b>   | SIZE:<br>2 = 3/8 - 1/2 - 3/4<br>3 = 3/4 - 1   | <b>4</b>  | PRESSURE GAUGE:<br>0 = without pressure gauge (with threaded connection for gauges)<br>2 = with built-in pressure gauge 0-6 and working pressure 0 - 4 bar<br>3 = with built-in pressure gauge 0-10 and working pressure 0 - 7 bar (MX2 only)<br>4 = with built-in pressure gauge 0-12 and working pressure 0.5 - 10 bar (standard) |
| <b>3/8</b> | CONNECTIONS:<br>3/8, 1/2, 3/4, 1  | <b>LH</b> | FLOW DIRECTION:<br>= from left to right (standard)<br>LH = from right to left   |
| <b>R</b>   | TYPE OF REGULATOR:<br>R = pressure regulator<br>M = manifold pressure regulator (MX2 1/2 only)    |           |   |
| <b>0</b>   | OPERATING PRESSURE:<br>0 = 0.5 - 10 bar (standard)<br>4 = 0 - 4 bar<br>7 = 0.5 - 7 bar (MX2 only) |           |   |

## Series MX Lubricators

Connections: MX2=3/8, 1/2, 3/4  
 MX3=3/4, 1. Modular  
 Bowl with technopolymer cover and bayonet-type mounting



### CODING EXAMPLE

**MX** | **2** | - | **1/2** | - | **L** | **00** | **M** | - | **LH**

|            |   |           |   |
|------------|---|-----------|---|
| <b>MX</b>  | SERIES: MX                                  | <b>00</b> | DESIGN TYPE:<br>00 = atomized oil   |
| <b>2</b>   | SIZE:<br>2 = 3/8 - 1/2 - 3/4<br>3 = 3/4 - 1 | <b>M</b>  | TYPE OF BOWL:<br>= polymer (standard)<br>M = metal (for MX2-1/2 and mx3-1 only) |
| <b>1/2</b> | CONNECTIONS:<br>3/8, 1/2, 3/4, 1            | <b>LH</b> | FLOW DIRECTION:<br>= from left to right (standard)<br>LH = from right to left   |
| <b>L</b>   | LUBRICATOR                                  |           |   |

## Series MD Filter/Regulators

Connections with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with  $\varnothing$  6, 8 and 10mm. Modular assembly. Bowl with technopolymer cover and bayonet-type mounting.



### CODING EXAMPLE

|           |          |   |           |          |          |          |          |   |            |
|-----------|----------|---|-----------|----------|----------|----------|----------|---|------------|
| <b>MD</b> | <b>1</b> | - | <b>FR</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | - | <b>1/8</b> |
|-----------|----------|---|-----------|----------|----------|----------|----------|---|------------|

|   |   |
|---|---|
| <b>MD</b> SERIES: MD  | <b>0</b> DRAINING OF CONDENSATE:<br>0 = semi-automatic manual drain (standard)<br>5 = depressuring drain, protected<br>8 = no drain with connection 1/8 |
| <b>1</b> SIZE:<br>1 = 42mm  | <b>0</b> OPERATING PRESSURE:<br>0 = 0.5 - 10 bar (standard)<br>2 = 0 - 2 bar<br>4 = 0 - 4 bar<br>7 = 0.5 - 7 bar  |
| <b>FR</b> FILTER REGULATOR  | <b>0</b> PRESSURE GAUGE:<br>0 = without pressure gauge (1/8 Connection)   |
| <b>0</b> FILTERING ELEMENT WITH DESIGN TYPE:<br>0 = 25 $\mu$ m with relieving (standard)<br>1 = 5 $\mu$ m with relieving<br>2 = 25 $\mu$ m without relieving<br>3 = 5 $\mu$ m without relieving<br>4 = 25 $\mu$ m with relieving version VS<br>5 = 5 $\mu$ m with relieving version VS<br>6 = 25 $\mu$ m without relieving version VS (for semiautomatic-manual drain only)<br>7 = 5 $\mu$ m without relieving version VS (for semiautomatic-manual drain only) | <b>1/8</b> CONNECTIONS (IN/OUT*):<br>= no connection<br>1/8, 1/4, 3/8, 6, 8, 10   |

## Series MD Filters

Connections with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with  $\varnothing$  6, 8 and 10mm. Modular assembly. Bowl with technopolymer cover and bayonet-type mounting.



### CODING EXAMPLE

|           |          |   |          |          |          |          |   |            |
|-----------|----------|---|----------|----------|----------|----------|---|------------|
| <b>MD</b> | <b>1</b> | - | <b>F</b> | <b>0</b> | <b>0</b> | <b>0</b> | - | <b>1/8</b> |
|-----------|----------|---|----------|----------|----------|----------|---|------------|

|   |   |
|---|---|
| <b>MD</b> SERIES: MD  | <b>0</b> DRAINING OF CONDENSATE:<br>0 = semi-automatic manual drain (standard)<br>5 = depressuring drain, protected<br>8 = no drain with connection 1/8 |
| <b>1</b> SIZE:<br>1 = 42mm  |   |
| <b>F</b> FILTER   | <b>0</b> VISUAL INDICATOR:<br>0 = Without indicator<br>1 = With indicator   |
| <b>0</b> FILTERING ELEMENT:<br>0 = 25 $\mu$ m (standard)<br>1 = 5 $\mu$ m | <b>1/8</b> CONNECTIONS (IN/OUT*):<br>= no connection<br>1/8, 1/4, 3/8, 6, 8, 10   |

Full range of accessories available

## Series MD Pressure Regulators

Connections with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with  $\varnothing$  6, 8 and 10mm. Versions: single, combined with other functions, Manifold.



### CODING EXAMPLE

|           |          |   |          |          |          |          |   |            |   |
|-----------|----------|---|----------|----------|----------|----------|---|------------|---|
| <b>MD</b> | <b>1</b> | - | <b>R</b> | <b>T</b> | <b>0</b> | <b>0</b> | - | <b>1/4</b> | - |
|-----------|----------|---|----------|----------|----------|----------|---|------------|---|

|  |  |
|--|--|
| <b>MD</b> SERIES: MD   | <b>0</b> DESIGN TYPE:<br>0 = self-relieving<br>1 = non-relieving<br>2 = relieving high relief flow<br>3 = non-relieving high relief flow |
| <b>1</b> SIZE:<br>1 = 42mm   | <b>0</b> PRESSURE GAUGE:<br>0 = without pressure gauge (1/8 Connection)  |
| <b>R</b> R = pressure regulator<br>M = manifold pressure regulator   | <b>1/4</b> CONNECTIONS (IN/OUT*):<br>= no connection<br>1/8, 1/4, 3/8, 6, 8, 10  |
| <b>T</b> OPERATING PRESSURE:<br>0 = 0.5 - 10 bar (standard)<br>2 = 0 - 2 bar<br>4 = 0 - 4 bar<br>7 = 0.5 - 7 bar<br>T = calibrated**<br>B = locked** |  |

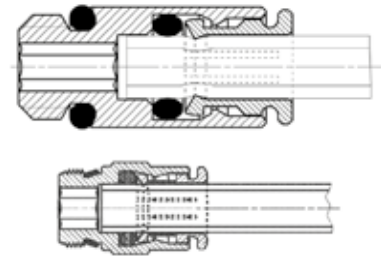


## Series 6000 Super-Rapid Fittings for Plastic Tubes

Tube external diameters: 3, 4, 5, 6, 8, 10, 12, 14, 16 mm

Threaded connections: metric (M3, M5, M6, M7), BSP (1/8, 1/4, 3/8, 1/2, 3/4), BSPT (1/8, 1/4, 3/8, 1/2)

Super-rapid fittings Series 6000 are available in 35 different models.  
 Super-rapid fittings Series 6000 Micro are available in 14 different models.  
 Connection and disconnection of the tube can be repeated several times and can be performed without the use of tools.  
 The extractable internal collet allows the sealing ring (O-ring) to be easily replaced if it is damaged or in case of wear of the rubber compound.



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Note:  
with O-Ring



| Male Connector |              | BSP Male Connector     |            | BSP Male Connector |             | BSP Female Connector |  |
|----------------|--------------|------------------------|------------|--------------------|-------------|----------------------|--|
| S6510 4-1/8    | S6510 10-1/4 | 6512 3-M3 <sup>o</sup> | 6512 4-M5  | 6512 8-3/8         | 6463 4-M5   |                      |  |
| S6510 4-1/4    | S6510 10-3/8 | 6512 3-M5*             | 6512 4-M6  | 6512 10-1/4        | 6463 4-1/8  |                      |  |
| S6510 5-1/8    | S6510 10-1/2 | 6512 4-M7-M*           | 6512 4-1/8 | 6512 10-3/8        | 6463 5-1/8  |                      |  |
| S6510 5-1/4    | S6510 12-1/4 | 6512 4-1/8-M*Y         | 6512 4-1/4 | 6512 10-1/2        | 6463 6-1/8  |                      |  |
| S6510 6-1/8    | S6510 12-3/8 | 6512 6-M7-M*           | 6512 5-M5  | 6512 12-1/4        | 6463 6-1/4  |                      |  |
| S6510 6-1/4    | S6510 12-1/2 | 6512 6-1/8-M*Y         | 6512 6-M5  | 6512 12-3/8        | 6463 8-1/8  |                      |  |
| S6510 6-3/8    | S6510 14-3/8 | 6512 8-1/8-M*Y         | 6512 6-M6  | 6512 12-1/2        | 6463 8-1/4  |                      |  |
| S6510 8-1/8    | S6510 14-1/2 | 6512 10-1/4-M*         | 6512 6-1/8 | 6512 14-3/8        | 6463 10-1/4 |                      |  |
| S6510 8-1/4    | S6510 16-1/2 |                        | 6512 6-1/4 | 6512 14-1/2        |             |                      |  |
| S6510 8-3/8    | S6510 16-3/4 |                        | 6512 8-1/8 | 6512 16-1/2        |             |                      |  |
| S6510 8-1/2    |              |                        | 6512 8-1/4 |                    |             |                      |  |

<sup>o</sup> = with mod. 2661 assembled  
 \* = with O-ring assembled  
 \*Y = with O-ring assembled  
 It can be connected also to valve islands Series Y



Note:  
with O-Ring

Sprint\*



Sprint\*



| Swivel Male Elbow |              | BSP Swivel Male Elbow |             | Fixed Male Elbow |             | Long Swivel Male Elbow |  |
|-------------------|--------------|-----------------------|-------------|------------------|-------------|------------------------|--|
| S6520 4-1/8       | S6520 8-1/2  | 6522 4-M5             | 6522 8-3/8  | S6500 4-1/8      | 6525 6 -1/8 |                        |  |
| S6520 4-1/4       | S6520 10-1/4 | 6522 4-1/8            | 6522 10-1/4 | S6500 4-1/4      | 6525 6 -1/4 |                        |  |
| S6520 5-1/8       | S6520 10-3/8 | 6522 4-1/4            | 6522 10-3/8 | S6500 5-1/8      | 6525 8 -1/8 |                        |  |
| S6520 5-1/4       | S6520 10-1/2 | 6522 5-M5             | 6522 10-1/2 | S6500 5-1/4      | 6525 8 -1/4 |                        |  |
| S6520 6-1/8       | S6520 12-1/4 | 6522 6-M5             | 6522 12-1/4 | S6500 6-1/8      |             |                        |  |
| S6520 6-1/4       | S6520 12-3/8 | 6522 6-1/8            | 6522 12-3/8 | S6500 6-1/4      |             |                        |  |
| S6520 6-3/8       | S6520 12-1/2 | 6522 6-1/4            | 6522 12-1/2 | S6500 8-1/8      |             |                        |  |
| S6520 8-1/8       | S6520 14-3/8 | 6522 8-1/8            | 6522 14-3/8 | S6500 8-1/4      |             |                        |  |
| S6520 8-1/4       | S6520 14-1/2 | 6522 8-1/4            | 6522 14-1/2 | S6500 8-3/8      |             |                        |  |
| S6520 8-3/8       |              |                       |             | S6500 10-1/4     |             |                        |  |
|                   |              |                       |             | S6500 10-3/8     |             |                        |  |
|                   |              |                       |             | S6500 12-1/4     |             |                        |  |
|                   |              |                       |             | S6500 12-3/8     |             |                        |  |



BSP Fix Male Elbow

6501 4 -M5

With mod. 2661 assembled

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### Full Range Available:

Super-Rapid Compact Fittings in Technopolymer Series 7000



Compact

Pipe Fittings Series 2000 / BSPT Adaptors



Sprint®



| Swivel Male Tee |              |
|-----------------|--------------|
| S6430 4-1/8     | S6430 10-1/4 |
| S6430 5-1/8     | S6430 10-3/8 |
| S6430 5-1/4     | S6430 10-1/2 |
| S6430 6-1/8     | S6430 12-1/4 |
| S6430 6-1/4     | S6430 12-3/8 |
| S6430 8-1/8     | S6430 12-1/2 |
| S6430 8-1/4     | S6430 14-1/2 |
| S6430 8-3/8     |              |



| BSP Swivel Male Tee |  |
|---------------------|--|
| 6432 4 -M5          |  |
| 6432 4 -1/8         |  |
| 6432 5 -M5          |  |
| 6432 6 -1/8         |  |
| 6432 6 -1/4         |  |
| 6432 8 -1/8         |  |
| 6432 8 -1/4         |  |
| 6432 8 -3/8         |  |
| 6432 10-1/4         |  |
| 6432 10-3/8         |  |
| 6432 12-1/4         |  |
| 6432 12-3/8         |  |

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| Lateral Swivel Male Tee |  |
|-------------------------|--|
| S6440 4-1/8             |  |
| S6440 5-1/8             |  |
| S6440 6-1/8             |  |
| S6440 6-1/4             |  |
| S6440 8-1/8             |  |
| S6440 8-1/4             |  |
| S6440 8-3/8             |  |
| S6440 10-1/4            |  |
| S6440 10-3/8            |  |
| S6440 12-3/8            |  |
| S6440 14-1/2            |  |



Note:  
with O-Ring

| Lateral BSP Swivel Male Tee |  |
|-----------------------------|--|
| 6442 4 -M5                  |  |
| 6442 4 -1/8                 |  |
| 6442 5 -M5                  |  |
| 6442 6 -1/8                 |  |
| 6442 6 -1/4                 |  |
| 6442 8 -1/8                 |  |
| 6442 8 -1/4                 |  |
| 6442 8 -3/8                 |  |
| 6442 10-1/4                 |  |
| 6442 10-3/8                 |  |
| 6442 12-1/4                 |  |
| 6442 12-3/8                 |  |

Sprint®



| BSP Male Y  |  |
|-------------|--|
| 6451 4 -M5* |  |
| 6451 6 -M5* |  |

| Swivel Male Y |  |
|---------------|--|
| S6450 4-1/8   |  |
| S6450 6-1/8   |  |
| S6450 8-1/8   |  |
| S6450 8-1/4   |  |



Note:  
with O-Ring

| BSP Swivel Single Banjo |  |
|-------------------------|--|
| 6622 4 -M5              |  |
| 6622 4 -1/8             |  |
| 6622 6 -1/8             |  |
| 6622 6 -1/4             |  |
| 6622 8 -1/8             |  |
| 6622 8 -1/4             |  |
| 6622 10-1/4             |  |



Note:  
with O-Ring

| BSP Swivel Double Banjo |  |
|-------------------------|--|
| 6632 4 -1/8             |  |
| 6632 6 -1/8             |  |
| 6632 6 -1/4             |  |
| 6632 8 -1/8             |  |
| 6632 8 -1/4             |  |
| 6632 10-1/4             |  |



| Double Banjo |  |
|--------------|--|
| 6620 4 -M5°  |  |
| 6620 4-1/8*  |  |
| 6620 6-1/8*  |  |
| 6620 6-1/4*  |  |
| 6620 8-1/8*  |  |
| 6620 8-1/4*  |  |



| Banjo Bolts |  |
|-------------|--|
| 1631 01...  |  |
| 1631 02...  |  |
| 1631 03...  |  |

01... = Single Banjo Stem  
02... = Double Banjo Stem  
03... = Triple Banjo Stem

Assembly with Mod.

° = SCU, SVU, SCO...

\* = 1631, 1635, SCU, SVU, SCO...

\* = non swivel model with gasket

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| Single Banjo |               |
|--------------|---------------|
| 6610 4 -M5*  | 6610 6 -1/8*  |
| 6610 4 -M6°  | 6610 6-1/4*   |
| 6610 4-1/8*  | 6610 8-1/8*   |
| 6610 5 -M5*  | 6610 8-1/4*   |
| 6610 5 -M6°  | 6610 8-3/8*   |
| 6610 5-1/8*  | 6610 10-1/4** |
| 6610 6 -M5*  | 6610 10-3/8** |
| 6610 6 -M6°  | 6610 12-1/2^  |

Assembly with Mod.

• = 1631

° = SCU, SVU, SCO...

\* = 1631, 1635, SCU, SVU, SCO...

\*\* = 1635, SCU, SVU, SCO...

^ = 1635



\*Note:  
with O-Ring

| Male Adaptor |             |
|--------------|-------------|
| 6811 4 -M5*  | 6811 8 -1/8 |
| 6811 4 -1/8  | 6811 8 -1/4 |
| 6811 5 -1/8  | 6811 10-1/4 |
| 6811 5 -1/4  | 6811 10-3/8 |
| 6811 6 -1/8  | 6811 12-3/8 |
| 6811 6 -1/4  | 6811 14-1/2 |

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| 45° Male Elbow |  |
|----------------|--|
| S6110 6-1/8    |  |
| S6110 6-1/4    |  |
| S6110 8-1/8    |  |
| S6110 8-1/4    |  |
| S6110 8-3/8    |  |
| S6110 10-1/4   |  |
| S6110 10-3/8   |  |
| S6110 10-1/2   |  |
| S6110 12-1/4   |  |
| S6110 12-3/8   |  |
| S6110 12-1/2   |  |

## Full Range Available:

### Tubing & Accessories



### Series 5000 Quick Release Couplings



# Ball Valves & Actuators

## Series 29 Mini Ball Valves for Pneumatics and Industrial Fluids

Tube external diameters: 4, 6 and 8mm  
Threads: BSP (1/8, 1/4, 3/8, 1/2)

**Mini ball valves, MINI version - 2948**



|                                 |
|---------------------------------|
| 2/2 in-line with Push-in Collet |
| 2948 4                          |
| 2948 6                          |
| 2948 8                          |

**Mini ball valves, MINI version - 2947**



|  |
|--|
| 2/2 in-line with Push-in Collet, Male BSPT Threads |
| 2947 1/8-4   |
| 2947 1/8-6   |
| 2947 1/8-8   |
| 2947 1/4-4   |
| 2947 1/4-6   |
| 2947 1/4-8   |

**Mini ball valves, MINI version - 2946**



|  |
|--|
| 2/2 in-line with Push-in Collet, Female BSPP Threads |
| 2946 1/8-4   |
| 2946 1/8-6   |
| 2946 1/8-8   |
| 2946 1/4-4   |
| 2946 1/4-6   |
| 2946 1/4-8   |

**Mini ball valves, MINI version - 2943**



|   |
|---|
| 2/2 in-line, Female-Female BSPP Threads |
| 2943 1/8                                |
| 2943 1/4                                |

**Mini ball valves, MINI version - 2944**



|  |
|--|
| 2/2 in-line, Male BSPT-Female BSPP Threads |
| 2944 1/8-1/8                               |
| 2944 1/4-1/4                               |

**Mini ball valves, MINI version - 2945**



|                                |
|--------------------------------|
| 2/2 in-line, Male BSPT Threads |
| 2945 1/8                       |
| 2945 1/4                       |

**Mini ball valves, ECO version - 2953**



|   |
|---|
| 2/2 in-line, Female-Female BSPP Threads |
| 2953 1/4                                |
| 2953 3/8                                |
| 2953 1/2                                |

**Mini ball valves, ECO version - 2954**



|  |
|--|
| 2/2 in-line, Male BSPP-Female BSPP Threads |
| 2954 1/4-1/4                               |
| 2954 3/8-3/8                               |
| 2954 1/2-1/2                               |

**Mini ball valves, Butterfly version - 2963**



|   |
|---|
| 2/2 in-line, Female-Female BSPP Threads |
| 2963 1/4                                |
| 2963 3/8                                |
| 2963 1/2                                |

**Mini ball valves, Butterfly version - 2964**



|  |
|--|
| 2/2 in-line, Male BSPP-Female BSPP Threads |
| 2964 1/4-1/4                               |
| 2964 3/8-3/8                               |
| 2964 1/2-1/2                               |

**Mini ball valves, 3/2-way version - 2973**



|  |
|--|
| 3/2 in-line, Male BSPP-Female BSPP Threads |
| 2973 1/4                                   |
| 2973 3/8                                   |
| 2973 1/2                                   |

**Mini ball valves, 3/2-way version - 2974**

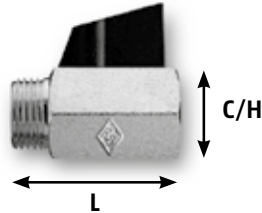
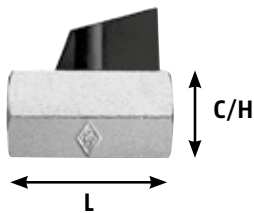


|  |
|--|
| 3/2 in-line, Male BSPP-Female BSPP Threads |
| 2974 1/4-1/4                               |
| 2974 3/8-3/8                               |
| 2974 1/2-1/2                               |

FLUID POWER

## Mini Ball Valves

Suitable for most non-corrosive liquids and gases including air, water and fuels. Operating pressure 10 bar (147psi). Operating temperature -20°C to +90°C.

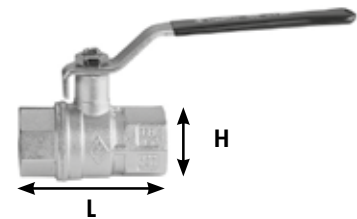


| Female/Female | L  | C/H |
|---------------|----|-----|
| 3830 1/8      | 41 | 21  |
| 3830 1/4      | 41 | 21  |
| 3830 3/8      | 41 | 21  |
| 3830 1/2      | 46 | 25  |

| Male/Female | L  | C/H |
|-------------|----|-----|
| 3831 1/8    | 41 | 21  |
| 3831 1/4    | 41 | 21  |
| 3831 3/8    | 41 | 21  |
| 3831 1/2    | 46 | 25  |

## Brass Ball Valves - Gas/WRAS Approved

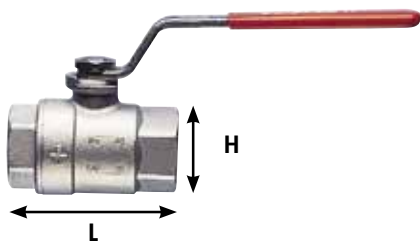
Suitable for most non-corrosive liquids and gases including air, water, solvents and fuels. Operating temperature -20°C to +130°C



| Female/Female | L     | H    |
|---------------|-------|------|
| 6273 1/4      | 51.5  | 23   |
| 6273 3/8      | 51.5  | 23   |
| 6273 1/2      | 59    | 30   |
| 6273 3/4      | 67    | 36   |
| 6273 1        | 81.5  | 43.5 |
| 6273 1 1/4    | 94    | 53   |
| 6273 1 1/2    | 102.4 | 65   |
| 6273 2        | 123   | 80   |

## Economy Stainless Steel Ball Valves Two-Piece Design

2-Piece stainless steel quarter turn ball valves with all wetted parts stainless steel AISI316. Other metal parts in stainless steel AISI304. Available with NPT threads. (Part No 700023)



| Female/Female | Thread | L    | H    |
|---------------|--------|------|------|
| 70400002      | 1/4    | 53.5 | 30   |
| 70400003      | 3/8    | 53.5 | 30   |
| 70400004      | 1/2    | 60   | 32.5 |
| 70400005      | 3/4    | 70   | 40   |
| 70400006      | 1      | 79   | 49   |
| 70400007      | 1 1/4  | 91   | 62   |
| 70400008      | 1 1/2  | 103  | 75   |
| 70400010      | 2      | 124  | 95   |

## Pneumatically Actuated 2-Way Brass Ball Valves

Full bore, direct mounted actuator, nickel plated brass ball valves (low torque design). Also available in 1/4, 3/8, 2 1/2, 3, 4.



3-Way Option Also Available (L/T Port)

| Double Acting | Thread | Bar | Single Acting | Thread | Bar |
|---------------|--------|-----|---------------|--------|-----|
| 8P007904      | 1/2    | 40  | 8P008104      | 1/2    | 40  |
| 8P007905      | 3/4    | 40  | 8P008105      | 3/4    | 40  |
| 8P007906      | 1      | 40  | 8P008106      | 1      | 40  |
| 8P007907      | 1 1/4  | 40  | 8P008107      | 1 1/4  | 40  |
| 8P007908      | 1 1/2  | 40  | 8P008108      | 1 1/2  | 40  |
| 8P007910      | 2      | 40  | 8P008110      | 2      | 40  |

## Full Range of Accessories Available:

### Limit Switch Box



### Namur 3/2 and 5/2 Solenoid Valves



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[www.advantiv.co.uk](http://www.advantiv.co.uk)

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