

# LEFORT

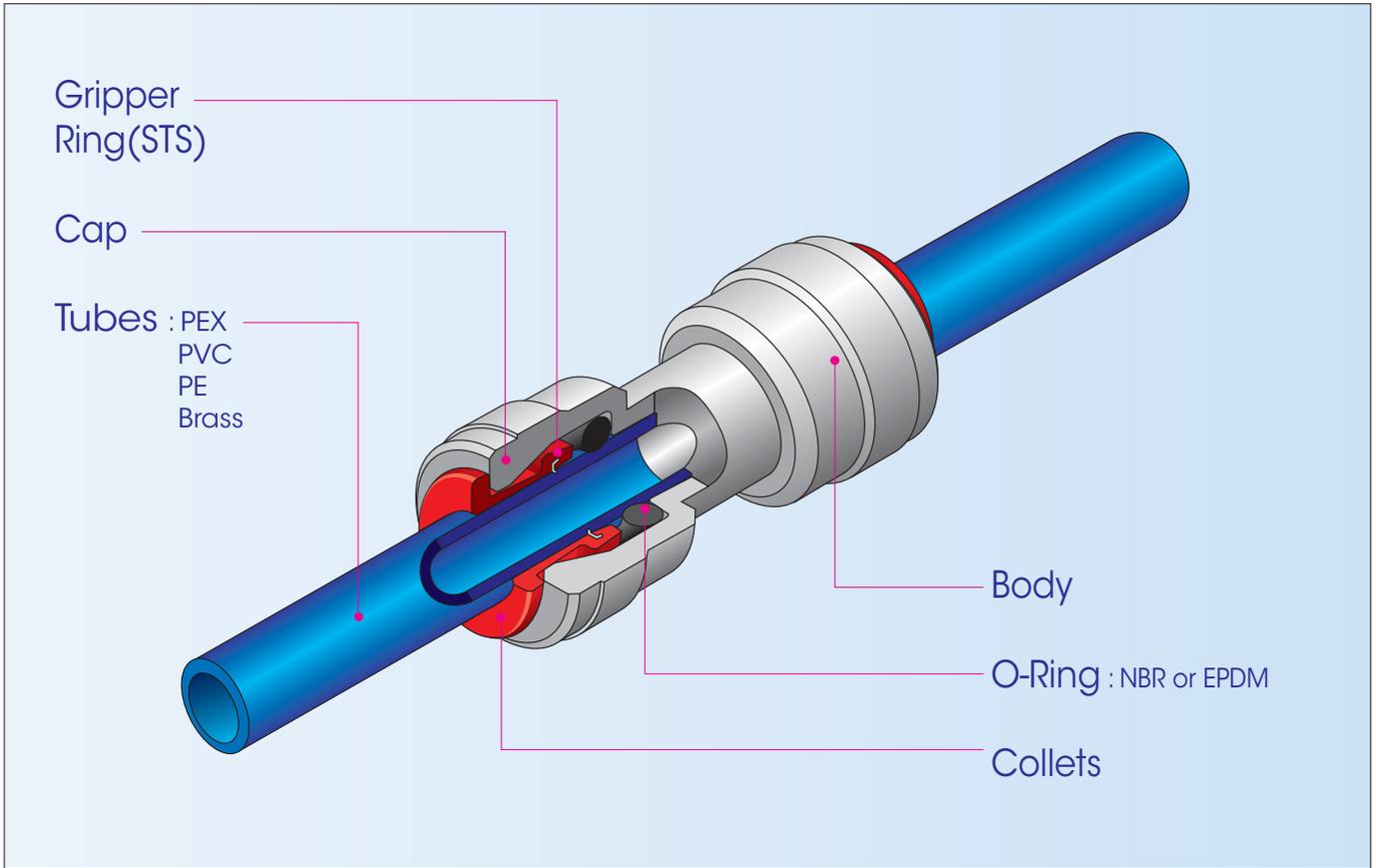
COUPLINGS - VALVES - TUBING



[www.lefort.be](http://www.lefort.be)



# DMfit® PUSH-IN TUBE FITTINGS



## Material Standards

| Material Options  | Fittings Color     | O-ring     |
|-------------------|--------------------|------------|
| A - acetal        | Gray, Black, White | NBR / EPDM |
| P - polypropylene | White              |            |
| B - brass         | brass, or chromed  |            |

## Outer Diameter Tolerance Limit of Tubing Used with Fittings

|            | Size           | Tolerance        |
|------------|----------------|------------------|
| Small Size | 5/32", 4mm     | ±0.004" (±0.1mm) |
|            | 3/16", 5mm     |                  |
|            | 1/4", 6mm      |                  |
|            | 5/16", 8mm     |                  |
|            | 3/8", 10mm     |                  |
| 1/2", 12mm |                |                  |
| Large Size | 5/8", 15(16)mm |                  |
|            | 7/8", 18(22)mm |                  |
|            | 28mm           |                  |

※ For use at higher temperatures or pressures, please contact your DMfit representative for assistance.

## Fitting Working Pressure and Temperature

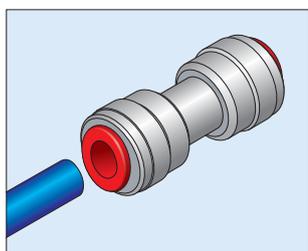
| Temperature  | SIZE | Small Size     |       |      |       |      | Large Size     |      |                |      |  |
|--------------|------|----------------|-------|------|-------|------|----------------|------|----------------|------|--|
|              |      | 5/32"          | 3/16" | 1/4" | 5/16" | 3/8" | 1/2"           | 5/8" | 7/8"           | 28mm |  |
| 1°C (34°F)   |      | 16bar (230PSI) |       |      |       |      | 11bar (170PSI) |      | 11bar (170PSI) |      |  |
| 20°C (68°F)  |      | 16bar (230PSI) |       |      |       |      | 11bar (170PSI) |      | 11bar (170PSI) |      |  |
| 65°C (150°F) |      | 10bar (150PSI) |       |      |       |      | 7bar (100PSI)  |      | 7bar (100PSI)  |      |  |

## Maximum Permissible Torque

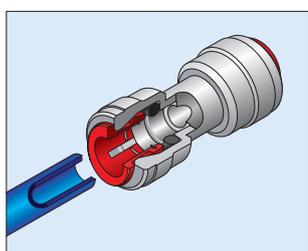
| Torque  |                     | Thread  |       | 1/8", 1/4"          |                     | 3/8", 1/2"          |                     | 3/4"                |                     |
|---------|---------------------|---------|-------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|         |                     | Plastic | Steel | Maximum Torque (Nm) |
| Plastic | Maximum Torque (Nm) |         |       | 1.5                 |                     | 3.0                 |                     | 4.0                 |                     |
| Steel   | Maximum Torque (Nm) |         |       | 7.0-9.0             | 12.0-14.0           | 22.0-24.0           | 28.0-30.0           | 40.0                |                     |

※ The above values are average maximum applied torque. Actual results may vary.

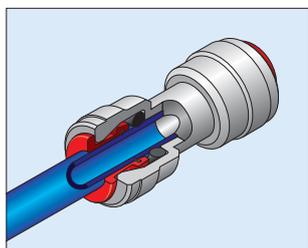
## Installing DMfit Fittings



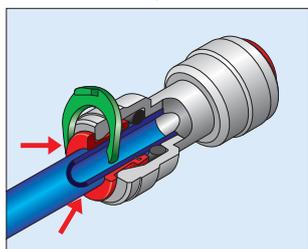
- Cut the part of the tube to be inserted into the fitting to plane the end.
- Make sure to use a clean tube without any foreign material or cracks.



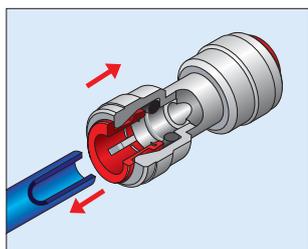
- When inserting the tube, remove any obstructions before fully inserting the tube. Make sure the tube is fully inserted.
- Inserting the tube into the fitting only takes moderate force. The tube or fitting should not be scratched or damaged in the process, as this is the main cause for water leaks later on.



- To make sure that the fitting is properly connected to the tube, pull it once. After pulling, insert a spanner under the collet and push the tube into the fitting once more for a complete insertion.



- When no play is desired for the fitting and tube, use our company's LC to eliminate the play of the fitting.



- Make sure to completely eliminate pressure before disassembling the fitting.
- When disassembling the tube, push the clip in direction of the main assembly and then pull the tube out for easy disassembling.
- Fittings and tubes can be reused.

## Terms and Conditions

Please read, understand, and follow all instructions, precautions, and warnings prior to using Dmfit® products on pressurized systems. Failure to follow all instructions, precautions, and warnings may result in bodily harm or property damage.

### ⚠ Warnings and Precautions

- ① Fittings are not recommended for use with liquids other than water and food or beverage products. Where fittings may be used with other chemicals contact DMT for advice.
- ② Do not disassemble or modify the individual product, as this may cause a product malfunction, leak, or failure and voids the product warranty.
- ③ Do not over-stress the fitting by rotation, twist, bending, shock, fatigue, or other excess force. This may damage the fitting and cause malfunction, leak, or failure and voids the product warranty.
- ④ Do not use the product where ambient temperature or fluid temperature may exceed 65°C (150°F) in domestic environment Food & Drink, Industrial Pneumatic. This may damage the fitting and cause malfunction, leak, or failure.
- ⑤ Do not use pipe dope or other liquid thread sealers. Use only Teflon tape to seal threaded connections.
- ⑥ If your plumbed line is used as an electrical ground, you must use a jumper wire to provide continuity across plastic fittings and tubing.
- ⑦ Never press collets toward the body unless attempting to separate tubing from a fitting in an unpressurized line. The use of the DMfit<sup>□</sup> Locking Clip is advised to restrict inadvertent disassembly of connections.
- ⑧ DMT reserves the right to modify the product from time-to-time as required for quality improvement and per market requirements. Actual product may differ from pictures shown.
- ⑨ Connecting DMfit<sup>®</sup> products to tubing or connecting elements other than DMfit<sup>□</sup> products is not warranted for performance. Always perform any checks and testing necessary to verify acceptable function.
- ⑩ Before making any tube connection, verify that the end of the tube has been cut squarely and there are no scratches on the tube O.D within 30mm of the end.
- ⑪ When making a tube connection, occasionally a gripping of the tube may occur just as the tube begins to pass through the o-ring, although the seal is not yet made. In this case, push the tube deeply once more to complete assembly of the connection. Failure to completely seat the tube into the fitting may cause a leak.
- ⑫ When using metallic tubing, de-burr the tube ends to avoid potential cutting or other damage to the o-ring.
- ⑬ After assembling a tube connection, tug with moderate force to check for proper gripping of the tube.
- ⑭ Before disassembling tube connections, always verify that pressure has been removed from the system.
- ⑮ When disassembling tube connections, always press the collet evenly toward the body and then pull the tube. If a locking clip is used, remove the locking clip before attempting to separate a tube connection.
- ⑯ When tightening threaded fittings, use care not to over-torque the fitting as this may damage the fitting and cause a leak or other failure.
- ⑰ TS (Tube Support) supports to soft tube and tube at 65°C (150°F) of ambient and fluid temperature.

## Material Characteristics

- **Acetal** : Also known as POM. Highly durable and resistant to fatigue and creep. It has high resistance to a wide range of organic & inorganic chemicals and detergents. Not recommended for use with strong acids or repeated exposure to strong oxidizers.
- **Polypropylene** : Has excellent chemical resistance, cold endurance, and high tolerance to oxidizers.

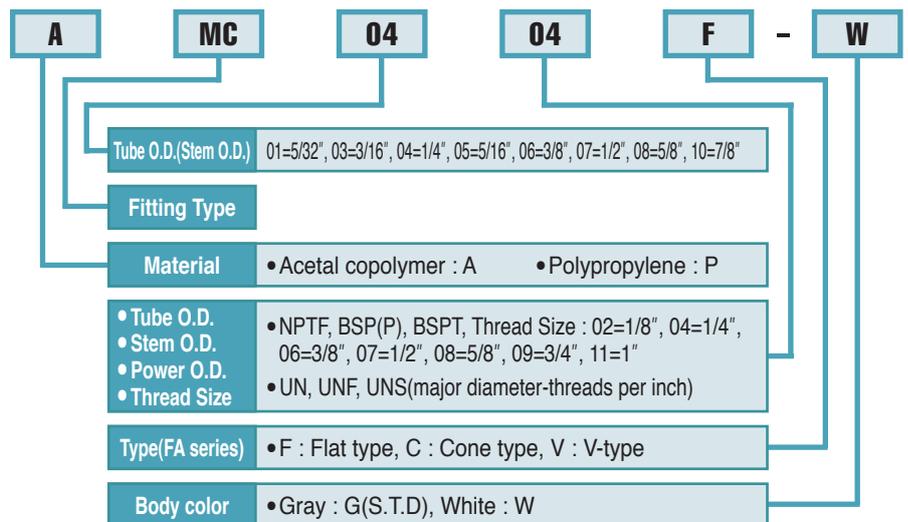
# ACETAL FITTINGS (GRAY / INCH)



## ■ Suitable for

- **Water & foods use** : *DMfit*<sup>®</sup> products are manufactured from safe, non-toxic materials meeting the requirements of the US FDA, WRAS, ANSI/NSF-51, 61, and SK Zert. Our products are widely used in water purification, food/beverage and pneumatic systems.
- **Function & Quality** : *DMfit*<sup>®</sup> provides quick and convenient assembly - saving time & expense. Our ISO9001 registered quality system ensures our customers a superior level of product quality. Defects are easily detectable and maintenance is easy with its easy dismantling for access.
- **Collet Design** : Our unique oval collet design is superior and more practical, and is an improvement welcomed by our world-wide customers in all industries.
- **Applications** : Beyond water and food use, fittings can be used with air, gases, vacuum, & liquids. And all connections can be assembled & disassembled repeatedly. A broad of sizes covers a broad scope of applications.
- **Color** : Gray(Acetal)

## Part Numbering System



### MC - Male Connector

#### NPTF Thread



| PART NO. | Tube O.D. | NPTF Thread | Qty / Box |
|----------|-----------|-------------|-----------|
| AMC 0102 | 5/32      | 1/8         | 500       |
| AMC 0104 | 5/32      | 1/4         | 500       |
| AMC 0302 | 3/16      | 1/8         | 500       |
| AMC 0402 | 1/4       | 1/8         | 400       |
| AMC 0404 | 1/4       | 1/4         | 350       |
| AMC 0406 | 1/4       | 3/8         | 300       |
| AMC 0407 | 1/4       | 1/2         | 150       |
| AMC 0502 | 5/16      | 1/8         | 400       |
| AMC 0504 | 5/16      | 1/4         | 400       |
| AMC 0506 | 5/16      | 3/8         | 350       |
| AMC 0602 | 3/8       | 1/8         | 300       |
| AMC 0604 | 3/8       | 1/4         | 300       |
| AMC 0606 | 3/8       | 3/8         | 250       |
| AMC 0607 | 3/8       | 1/2         | 200       |
| AMC 0706 | 1/2       | 3/8         | 200       |
| AMC 0707 | 1/2       | 1/2         | 150       |

### MCB - Male Connector

#### BSP(P) Thread



| PART NO.  | Tube O.D. | BSP(P) Thread | Qty / Box |
|-----------|-----------|---------------|-----------|
| AMCB 0102 | 5/32      | 1/8           | 500       |
| AMCB 0104 | 5/32      | 1/4           | 500       |
| AMCB 0302 | 3/16      | 1/8           | 500       |
| AMCB 0304 | 3/16      | 1/4           | 400       |
| AMCB 0402 | 1/4       | 1/8           | 400       |
| AMCB 0404 | 1/4       | 1/4           | 400       |
| AMCB 0502 | 5/16      | 1/8           | 400       |
| AMCB 0504 | 5/16      | 1/4           | 400       |
| AMCB 0506 | 5/16      | 3/8           | 250       |
| AMCB 0602 | 3/8       | 1/8           | 300       |
| AMCB 0604 | 3/8       | 1/4           | 250       |
| AMCB 0606 | 3/8       | 3/8           | 250       |
| AMCB 0607 | 3/8       | 1/2           | 200       |
| AMCB 0706 | 1/2       | 3/8           | 200       |
| AMCB 0707 | 1/2       | 1/2           | 150       |

**MCBB - Male Connector Big o-ring** **BSP(P) Thread**



| PART NO.   | Tube O.D. | BSP(P) Thread | Qty / Box |
|------------|-----------|---------------|-----------|
| AMCBB 0602 | 3/8       | 1/8           | 300       |
| AMCBB 0604 | 3/8       | 1/4           | 300       |

**MCW - Male Connector** **BSW Thread**



| PART NO.     | Tube O.D. | BSW Thread | Qty / Box |
|--------------|-----------|------------|-----------|
| AMCW 04 9/16 | 1/4       | 9/16       | 400       |
| AMCW 0507    | 5/16      | 1/2        | 250       |
| AMCW 05 9/16 | 5/16      | 9/16       | 250       |
| AMCW 0607    | 3/8       | 1/2        | 200       |
| AMCW 06 9/16 | 3/8       | 9/16       | 200       |

**ME - Male Elbow** **NPTF Thread**



| PART NO. | Tube O.D. | NPTF Thread | Qty / Box |
|----------|-----------|-------------|-----------|
| AME 0302 | 3/16      | 1/8         | 500       |
| AME 0402 | 1/4       | 1/8         | 500       |
| AME 0404 | 1/4       | 1/4         | 350       |
| AME 0406 | 1/4       | 3/8         | 300       |
| AME 0504 | 5/16      | 1/4         | 300       |
| AME 0506 | 5/16      | 3/8         | 250       |
| AME 0604 | 3/8       | 1/4         | 250       |
| AME 0606 | 3/8       | 3/8         | 250       |
| AME 0706 | 1/2       | 3/8         | 200       |
| AME 0707 | 1/2       | 1/2         | 150       |

**MES - Male Elbow Swivel** **NPTF Thread**



| PART NO.  | Tube O.D. | NPTF Thread | Qty / Box |
|-----------|-----------|-------------|-----------|
| AMES 0102 | 5/32      | 1/8         | 500       |
| AMES 0104 | 5/32      | 1/4         | 400       |
| AMES 0302 | 3/16      | 1/8         | 500       |
| AMES 0402 | 1/4       | 1/8         | 300       |
| AMES 0404 | 1/4       | 1/4         | 250       |
| AMES 0502 | 5/16      | 1/8         | 200       |
| AMES 0504 | 5/16      | 1/4         | 200       |
| AMES 0506 | 5/16      | 3/8         | 200       |
| AMES 0604 | 3/8       | 1/4         | 150       |
| AMES 0606 | 3/8       | 3/8         | 100       |
| AMES 0706 | 1/2       | 3/8         | 100       |
| AMES 0707 | 1/2       | 1/2         | 100       |

**MCBT - Male Connector** **BSPT(PT) Thread**



| PART NO.   | Tube O.D. | BSPT(PT) Thread | Qty / Box |
|------------|-----------|-----------------|-----------|
| AMCBT 0102 | 5/32      | 1/8             | 500       |
| AMCBT 0104 | 5/32      | 1/4             | 500       |
| AMCBT 0302 | 3/16      | 1/8             | 500       |
| AMCBT 0304 | 3/16      | 1/4             | 500       |
| AMCBT 0402 | 1/4       | 1/8             | 500       |
| AMCBT 0404 | 1/4       | 1/4             | 400       |
| AMCBT 0406 | 1/4       | 3/8             | 300       |
| AMCBT 0407 | 1/4       | 1/2             | 200       |
| AMCBT 0502 | 5/16      | 1/8             | 400       |
| AMCBT 0504 | 5/16      | 1/4             | 400       |
| AMCBT 0506 | 5/16      | 3/8             | 350       |
| AMCBT 0602 | 3/8       | 1/8             | 300       |
| AMCBT 0604 | 3/8       | 1/4             | 300       |
| AMCBT 0606 | 3/8       | 3/8             | 300       |
| AMCBT 0607 | 3/8       | 1/2             | 200       |
| AMCBT 0706 | 1/2       | 3/8             | 200       |
| AMCBT 0707 | 1/2       | 1/2             | 150       |

**SAB - Stem Adapter** **BSP(P) Thread**



| PART NO.  | Stem O.D. | BSP(P) Thread | Qty / Box |
|-----------|-----------|---------------|-----------|
| ASAB 0604 | 3/8       | 1/4           | 400       |
| ASAB 0606 | 3/8       | 3/8           | 250       |
| ASAB 0607 | 3/8       | 1/2           | 200       |
| ASAB 0707 | 1/2       | 1/2           | 150       |

**MCF - Male Connector** **MFL Thread**



| PART NO.   | Tube O.D. | MFL Thread | Qty / Box |
|------------|-----------|------------|-----------|
| AMCF 0505  | 5/16      | 5/16       | 300       |
| AMCF 0604  | 3/8       | 1/4        | 300       |
| AMCF 0507N | 5/16      | 1/2        | 300       |
| AMCF 0607N | 3/8       | 1/2        | 300       |

- MFL Thread
- MFL 1/4 Corresponds to a 7/16 - 20 UNF
- MFL 5/16 Corresponds to a 1/2 - 20 UNF
- MFL 3/8 Corresponds to a 5/8 - 18 UNF
- MFL 1/2 Corresponds to a 3/4 - 16 UNF

**EU - Elbow Union**



| PART NO. | Tube O.D. | Tube O.D. | Qty / Box |
|----------|-----------|-----------|-----------|
| AEU 0101 | 5/32      | 5/32      | 700       |
| AEU 0303 | 3/16      | 3/16      | 700       |
| AEU 0404 | 1/4       | 1/4       | 350       |
| AEU 0501 | 5/16      | 5/32      | 400       |
| AEU 0503 | 5/16      | 3/16      | 400       |
| AEU 0504 | 5/16      | 1/4       | 300       |
| AEU 0505 | 5/16      | 5/16      | 300       |
| AEU 0603 | 3/8       | 3/16      | 200       |
| AEU 0604 | 3/8       | 1/4       | 200       |
| AEU 0605 | 3/8       | 5/16      | 200       |
| AEU 0606 | 3/8       | 3/8       | 200       |
| AEU 0704 | 1/2       | 1/4       | 150       |
| AEU 0705 | 1/2       | 5/16      | 150       |
| AEU 0706 | 1/2       | 3/8       | 150       |
| AEU 0707 | 1/2       | 1/2       | 150       |

# ACETAL FITTINGS (GRAY / INCH)

## TEU - Tube Elbow Union

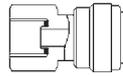


| PART NO.  | Tube O.D. | Stem O.D. | Qty / Box |
|-----------|-----------|-----------|-----------|
| ATEU 0101 | 5/32      | 5/32      | 800       |
| ATEU 0303 | 3/16      | 3/16      | 600       |
| ATEU 0306 | 3/16      | 3/8       | 500       |
| ATEU 0404 | 1/4       | 1/4       | 500       |
| ATEU 0406 | 1/4       | 3/8       | 400       |
| ATEU 0505 | 5/16      | 5/16      | 350       |
| ATEU 0506 | 5/16      | 3/8       | 350       |
| ATEU 0606 | 3/8       | 3/8       | 250       |
| ATEU 0607 | 3/8       | 1/2       | 200       |
| ATEU 0707 | 1/2       | 1/2       | 150       |

## FAU - Female Adapter UNS Thread (Cone Type)



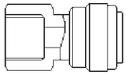
| PART NO.      | Tube O.D. | UNS Thread | Qty / Box |
|---------------|-----------|------------|-----------|
| AFAU 04 7/16C | 1/4       | 7/16 - 24  | 400       |
| AFAU 05 7/16C | 5/16      | 7/16 - 24  | 350       |
| AFAU 06 7/16C | 3/8       | 7/16 - 24  | 300       |



## FA - Female Adapter NPTF Thread



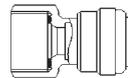
| PART NO. | Tube O.D. | NPTF Thread | Qty / Box |
|----------|-----------|-------------|-----------|
| AFA 0402 | 1/4       | 1/8         | 400       |
| AFA 0404 | 1/4       | 1/4         | 400       |
| AFA 0502 | 5/16      | 1/8         | 300       |
| AFA 0504 | 5/16      | 1/4         | 300       |
| AFA 0602 | 3/8       | 1/8         | 300       |
| AFA 0604 | 3/8       | 1/4         | 300       |



## FAB - Female Adapter BSP(P) Thread (Flat Type)



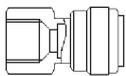
| PART NO.   | Tube O.D. | BSP(P) Thread | Qty / Box |
|------------|-----------|---------------|-----------|
| AFAB 0508F | 5/16      | 5/8           | 150       |
| AFAB 0507F | 5/16      | 1/2           | 250       |
| AFAB 0607F | 3/8       | 1/2           | 200       |
| AFAB 0608F | 3/8       | 5/8           | 150       |
| AFAB 0706F | 1/2       | 3/8           | 200       |
| AFAB 0707F | 1/2       | 1/2           | 150       |
| AFAB 0708F | 1/2       | 5/8           | 150       |



## FAUN - Female Adapter UN Thread (V - Type)



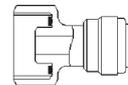
| PART NO.      | Tube O.D. | UN Thread | Qty / Box |
|---------------|-----------|-----------|-----------|
| AFAUN 05 1/2V | 5/16      | 1/2 - 16  | 350       |
| AFAUN 06 1/2V | 3/8       | 1/2 - 16  | 200       |
| AFAUN 07 1/2V | 1/2       | 1/2 - 16  | 150       |



## FAB - Female Adapter BSP(P) Thread (Cone Type)



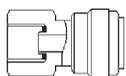
| PART NO.   | Tube O.D. | BSP(P) Thread | Qty / Box |
|------------|-----------|---------------|-----------|
| AFAB 0406C | 1/4       | 3/8           | 200       |
| AFAB 0407C | 1/4       | 1/2           | 200       |
| AFAB 0506C | 5/16      | 3/8           | 200       |
| AFAB 0507C | 5/16      | 1/2           | 200       |
| AFAB 0606C | 3/8       | 3/8           | 200       |
| AFAB 0607C | 3/8       | 1/2           | 200       |
| AFAB 0608C | 3/8       | 5/8           | 150       |
| AFAB 0708C | 1/2       | 5/8           | 150       |



## FAUF - Female Adapter UNF Thread (Cone Type)



| PART NO.       | Tube O.D. | UNF Thread | Qty / Box |
|----------------|-----------|------------|-----------|
| AFAUF 04 7/16C | 1/4       | 7/16 - 20  | 400       |
| AFAUF 05 7/16C | 5/16      | 7/16 - 20  | 300       |
| AFAUF 06 7/16C | 3/8       | 7/16 - 20  | 300       |



## FAUF - Female Adapter UNF Thread (V - Type)



| PART NO.       | Tube O.D. | UNF Thread | Qty / Box |
|----------------|-----------|------------|-----------|
| AFAUF 04 7/16V | 1/4       | 7/16 - 20  | 400       |
| AFAUF 05 7/16V | 5/16      | 7/16 - 20  | 300       |
| AFAUF 06 7/16V | 3/8       | 7/16 - 20  | 300       |
| AFAUF 06 5/8V  | 3/8       | 5/8 - 18   | 300       |



- 7/16 UNF Corresponds to a 1/4 MFL
- 5/8 UNF Corresponds to a 3/8 MFL

### SA - Stem Adapter

NPTF Thread



| PART NO. | Stem O.D. | NPTF Thread | Qty / Box |
|----------|-----------|-------------|-----------|
| ASA 0102 | 5/32      | 1/8         | 800       |
| ASA 0104 | 5/32      | 1/4         | 500       |
| ASA 0302 | 3/16      | 1/8         | 800       |
| ASA 0402 | 1/4       | 1/8         | 500       |
| ASA 0404 | 1/4       | 1/4         | 500       |
| ASA 0502 | 5/16      | 1/8         | 500       |
| ASA 0504 | 5/16      | 1/4         | 400       |
| ASA 0506 | 5/16      | 3/8         | 300       |
| ASA 0604 | 3/8       | 1/4         | 300       |
| ASA 0606 | 3/8       | 3/8         | 300       |
| ASA 0706 | 1/2       | 3/8         | 250       |
| ASA 0707 | 1/2       | 1/2         | 150       |

### TBC - Tube Barb Connector



| PART NO.  | Stem O.D. | Tube I.D. | Qty / Box |
|-----------|-----------|-----------|-----------|
| ATBC 0403 | 1/4       | 3/16      | 1000      |
| ATBC 0404 | 1/4       | 1/4       | 1000      |
| ATBC 0405 | 1/4       | 5/16      | 800       |
| ATBC 0503 | 5/16      | 3/16      | 800       |
| ATBC 0504 | 5/16      | 1/4       | 800       |
| ATBC 0505 | 5/16      | 5/16      | 700       |
| ATBC 0506 | 5/16      | 3/8       | 700       |
| ATBC 0604 | 3/8       | 1/4       | 500       |
| ATBC 0605 | 3/8       | 5/16      | 500       |
| ATBC 0606 | 3/8       | 3/8       | 400       |
| ATBC 0607 | 3/8       | 1/2       | 300       |
| ATBC 0706 | 1/2       | 3/8       | 300       |
| ATBC 0707 | 1/2       | 1/2       | 300       |

### SABT - Stem Adapter

BSPT(PT) Thread



| PART NO.   | Stem O.D. | BSPT(PT) Thread | Qty / Box |
|------------|-----------|-----------------|-----------|
| ASABT 0302 | 3/16      | 1/8             | 800       |
| ASABT 0504 | 5/16      | 1/4             | 400       |
| ASABT 0506 | 5/16      | 3/8             | 300       |
| ASABT 0604 | 3/8       | 1/4             | 400       |
| ASABT 0606 | 3/8       | 3/8             | 300       |
| ASABT 0707 | 1/2       | 1/2             | 150       |

### TEB - Tube Elbow Barb connector



| PART NO.  | Stem O.D. | Tube I.D. | Qty / Box |
|-----------|-----------|-----------|-----------|
| ATEB 0404 | 1/4       | 1/4       | 800       |
| ATEB 0405 | 1/4       | 5/16      | 800       |
| ATEB 0504 | 5/16      | 1/4       | 700       |
| ATEB 0505 | 5/16      | 5/16      | 600       |
| ATEB 0604 | 3/8       | 1/4       | 600       |
| ATEB 0605 | 3/8       | 5/16      | 600       |
| ATEB 0606 | 3/8       | 3/8       | 550       |

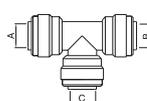
### SAW - Stem Adapter

BSW Thread



| PART NO.     | Stem O.D. | BSW Thread | Qty / Box |
|--------------|-----------|------------|-----------|
| ASAW 05 9/16 | 5/16      | 9/16       | 150       |
| ASAW 06 07   | 3/8       | 1/2        | 150       |
| ASAW 06 9/16 | 3/8       | 9/16       | 150       |

### TU - Tee Union



| PART NO.   | Tube O.D. (A) | Tube O.D. (B) | Tube O.D. (C) | Qty / Box |
|------------|---------------|---------------|---------------|-----------|
| ATU 010101 | 5/32          | 5/32          | 5/32          | 350       |
| ATU 030303 | 3/16          | 3/16          | 3/16          | 350       |
| ATU 040404 | 1/4           | 1/4           | 1/4           | 300       |
| ATU 040405 | 1/4           | 1/4           | 5/16          | 250       |
| ATU 050505 | 5/16          | 5/16          | 5/16          | 200       |
| ATU 060604 | 3/8           | 3/8           | 1/4           | 150       |
| ATU 060606 | 3/8           | 3/8           | 3/8           | 150       |
| ATU 070706 | 1/2           | 1/2           | 3/8           | 100       |
| ATU 070707 | 1/2           | 1/2           | 1/2           | 100       |

### RD - ReDucer



| PART NO. | Tube O.D. | Stem O.D. | Qty / Box |
|----------|-----------|-----------|-----------|
| ARD 0104 | 5/32      | 1/4       | 800       |
| ARD 0305 | 3/16      | 5/16      | 700       |
| ARD 0306 | 3/16      | 3/8       | 600       |
| ARD 0405 | 1/4       | 5/16      | 700       |
| ARD 0406 | 1/4       | 3/8       | 500       |
| ARD 0506 | 5/16      | 3/8       | 400       |
| ARD 0507 | 5/16      | 1/2       | 300       |
| ARD 0607 | 3/8       | 1/2       | 300       |

### MTS - Male Tee Swivel

NPTF Thread



| PART NO.  | Tube O.D. | NPTF Thread | Qty / Box |
|-----------|-----------|-------------|-----------|
| AMTS 0102 | 5/32      | 1/8         | 500       |
| AMTS 0104 | 5/32      | 1/4         | 400       |
| AMTS 0302 | 3/16      | 1/8         | 300       |
| AMTS 0402 | 1/4       | 1/8         | 250       |
| AMTS 0404 | 1/4       | 1/4         | 200       |
| AMTS 0502 | 5/16      | 1/8         | 200       |
| AMTS 0504 | 5/16      | 1/4         | 180       |
| AMTS 0506 | 5/16      | 3/8         | 150       |
| AMTS 0604 | 3/8       | 1/4         | 130       |
| AMTS 0606 | 3/8       | 3/8         | 100       |
| AMTS 0706 | 1/2       | 3/8         | 70        |
| AMTS 0707 | 1/2       | 1/2         | 70        |

# ACETAL FITTINGS (GRAY / INCH)

## MRS - Male Run Swivel

NPTF Thread



| PART NO.  | Tube O.D. | NPTF Thread | Qty / Box |
|-----------|-----------|-------------|-----------|
| AMRS 0102 | 5/32      | 1/8         | 500       |
| AMRS 0104 | 5/32      | 1/4         | 400       |
| AMRS 0302 | 3/16      | 1/8         | 300       |
| AMRS 0402 | 1/4       | 1/8         | 300       |
| AMRS 0404 | 1/4       | 1/4         | 200       |
| AMRS 0502 | 5/16      | 1/8         | 200       |
| AMRS 0504 | 5/16      | 1/4         | 200       |
| AMRS 0506 | 5/16      | 3/8         | 150       |
| AMRS 0604 | 3/8       | 1/4         | 130       |
| AMRS 0606 | 3/8       | 3/8         | 100       |
| AMRS 0706 | 1/2       | 3/8         | 80        |
| AMRS 0707 | 1/2       | 1/2         | 80        |

## THWD - THree Way Divider



| PART NO.   | Tube O.D. | Tube O.D. | Qty / Box |
|------------|-----------|-----------|-----------|
| ATHWD 0604 | 3/8       | 1/4       | 150       |
| ATHWD 0606 | 3/8       | 3/8       | 50        |
| ATHWD 0706 | 1/2       | 3/8       | 50        |

## OC - Offset Connector



| PART NO. | Tube O.D. | Tube O.D. | Qty / Box |
|----------|-----------|-----------|-----------|
| AOC 0604 | 3/8       | 1/4       | 300       |
| AOC 0705 | 1/2       | 5/16      | 200       |

## PL - Plug



| PART NO. | Stem O.D. | Qty / Box |
|----------|-----------|-----------|
| APL 01   | 5/32      | 1000      |
| APL 03   | 3/16      | 1000      |
| APL 04   | 1/4       | 1000      |
| APL 05   | 5/16      | 700       |
| APL 06   | 3/8       | 500       |
| APL 07   | 1/2       | 400       |

## UC - Union Connector



| PART NO.  | Tube O.D. | Tube O.D. | Qty / Box |
|-----------|-----------|-----------|-----------|
| AUC 0101  | 5/32      | 5/32      | 500       |
| AUC 0303  | 3/16      | 3/16      | 500       |
| AUC 0401  | 1/4       | 5/32      | 500       |
| AUC 0403  | 1/4       | 3/16      | 400       |
| AUC 0404  | 1/4       | 1/4       | 350       |
| AUC 0501  | 5/16      | 5/32      | 400       |
| AUC 0503  | 5/16      | 3/16      | 400       |
| AUC 0504  | 5/16      | 1/4       | 300       |
| AUC 0505  | 5/16      | 5/16      | 300       |
| AUC 0601  | 3/8       | 5/32      | 300       |
| AUC 0603  | 3/8       | 3/16      | 300       |
| AUC 0604  | 3/8       | 1/4       | 250       |
| AUC 0605  | 3/8       | 5/16      | 250       |
| AUC 0606  | 3/8       | 3/8       | 250       |
| AUC 0705  | 1/2       | 5/16      | 200       |
| AUC 0706  | 1/2       | 3/8       | 200       |
| AUC 0707  | 1/2       | 1/2       | 150       |
| AUC 067.5 | 3/8       | 7.5 mm    | 250       |

## UB - U Bend



| PART NO. | Tube O.D. | Tube O.D. | Qty / Box |
|----------|-----------|-----------|-----------|
| AUB 0404 | 1/4       | 1/4       | 300       |
| AUB 0505 | 5/16      | 5/16      | 250       |
| AUB 0606 | 3/8       | 3/8       | 150       |
| AUB 0707 | 1/2       | 1/2       | 100       |

## TWD - Two Way Divider



| PART NO.  | Tube in | Tube out | Qty / Box |
|-----------|---------|----------|-----------|
| ATWD 0101 | 5/32    | 5/32     | 400       |
| ATWD 0404 | 1/4     | 1/4      | 300       |
| ATWD 0505 | 5/16    | 5/16     | 200       |
| ATWD 0605 | 3/8     | 5/16     | 150       |
| ATWD 0606 | 3/8     | 3/8      | 150       |
| ATWD 0607 | 3/8     | 1/2      | 100       |
| ATWD 0707 | 1/2     | 1/2      | 100       |

## DEU - Dispensing Elbow Union



| PART NO.  | Tube O.D. | Stem O.D. | Qty / Box |
|-----------|-----------|-----------|-----------|
| ADEU 0606 | 3/8       | 3/8       | 250       |

### TES - Tube End Stop



| PART NO. | Tube O.D. | Qty / Box |
|----------|-----------|-----------|
| ATES 04  | 1/4       | 700       |
| ATES 05  | 5/16      | 600       |
| ATES 06  | 3/8       | 300       |
| ATES 07  | 1/2       | 300       |

### CR - Cross



| PART NO. | Tube O.D. | Qty / Box |
|----------|-----------|-----------|
| ACR 0101 | 5/32      | 300       |
| ACR 0404 | 1/4       | 250       |
| ACR 0505 | 5/16      | 200       |
| ACR 0606 | 3/8       | 100       |
| ACR 0707 | 1/2       | 80        |

### BU - Bulkhead Union



| PART NO. | Tube O.D. | Tube O.D. | Thread Size | Qty / Box |
|----------|-----------|-----------|-------------|-----------|
| ABU 0101 | 5/32      | 5/32      | M16XP1      | 300       |
| ABU 0303 | 3/16      | 3/16      | M16XP1      | 300       |
| ABU 0404 | 1/4       | 1/4       | M16XP1      | 250       |
| ABU 0406 | 1/4       | 3/8       | M20XP1.5    | 200       |
| ABU 0505 | 5/16      | 5/16      | M20XP1.5    | 150       |
| ABU 0604 | 3/8       | 1/4       | M20XP1.5    | 150       |
| ABU 0606 | 3/8       | 3/8       | M20XP1.5    | 150       |
| ABU 0707 | 1/2       | 1/2       | M27XP1.5    | 70        |

### MESBT - Male Elbow Swivel BSPT(PT) Thread



| PART NO.    | Tube O.D. | BSPT(PT) Thread | Qty / Box |
|-------------|-----------|-----------------|-----------|
| AMESBT 0104 | 5/32      | 1/4             | 400       |
| AMESBT 0302 | 3/16      | 1/8             | 400       |
| AMESBT 0306 | 3/16      | 3/8             | 300       |
| AMESBT 0406 | 1/4       | 3/8             | 200       |
| AMESBT 0407 | 1/4       | 1/2             | 200       |
| AMESBT 0504 | 5/16      | 1/4             | 200       |
| AMESBT 0506 | 5/16      | 3/8             | 200       |
| AMESBT 0507 | 5/16      | 1/2             | 150       |
| AMESBT 0604 | 3/8       | 1/4             | 150       |
| AMESBT 0606 | 3/8       | 3/8             | 150       |
| AMESBT 0707 | 1/2       | 1/2             | 100       |

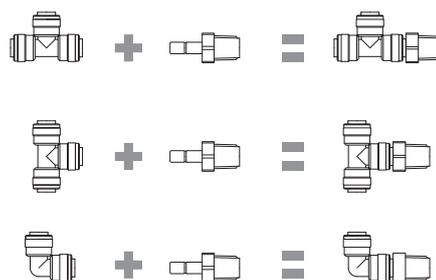
### DST - Dispensing Stem



| PART NO.  | Stem O.D. | Stem O.D. | Qty / Box |
|-----------|-----------|-----------|-----------|
| ADST 0606 | 3/8       | 3/8       | 400       |

## Adaptability

- For maximum flexibility, fittings may be combined to provide wider functions.
- Unlike some competitors' products, separation and reuse is easy.



# ACETAL FITTINGS (WHITE / INCH)

## BBC - BarB Connector



| PART NO.   | Tube O.D. | Tube I.D. | Qty / Box |
|------------|-----------|-----------|-----------|
| ABBC 0807W | 5/8       | 1/2       | 100       |
| ABBC 1007W | 7/8       | 1/2       | 50        |
| ABBC 1009W | 7/8       | 3/4       | 40        |

## RD - ReDucer

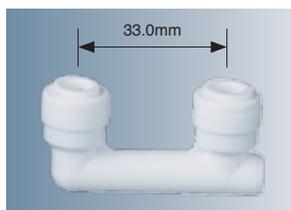


| PART NO.  | Tube O.D. | Stem O.D. | Qty / Box |
|-----------|-----------|-----------|-----------|
| ARD 0104W | 5/32      | 1/4       | 800       |
| ARD 0305W | 3/16      | 5/16      | 700       |
| ARD 0306W | 3/16      | 3/8       | 600       |
| ARD 0405W | 1/4       | 5/16      | 700       |
| ARD 0406W | 1/4       | 3/8       | 500       |
| ARD 0408W | 1/4       | 5/8       | 300       |
| ARD 0506W | 5/16      | 3/8       | 400       |
| ARD 0507W | 5/16      | 1/2       | 300       |
| ARD 0607W | 3/8       | 1/2       | 300       |

## FC - Filter Connector



| PART NO.  | Tube O.D. | Tube O.D. | Qty / Box |
|-----------|-----------|-----------|-----------|
| AFC 0404W | 1/4       | 1/4       | 300       |



## EL - EnLarger



| PART NO. | Tube O.D. | Stem O.D. | Qty / Box |
|----------|-----------|-----------|-----------|
| AEL 0605 | 3/8       | 5/16      | 400       |
| AEL 0706 | 1/2       | 3/8       | 300       |

## BFU - Both Female Union



|           |               | BSP(P) Thread |           |  |
|-----------|---------------|---------------|-----------|--|
| PART NO.  | BSP(P) Thread | BSP(P) Thread | Qty / Box |  |
| ABFU 0409 | 1/4           | 3/4           | 150       |  |

## FAN - Female Adapter



|             |                | NH Thread |           |
|-------------|----------------|-----------|-----------|
| PART NO.    | Tube O.D.      | NH Thread | Qty / Box |
| AFAN 0409F  | 1/4            | 3/4       | 100       |
| AFAN 0509F  | 5/16           | 3/4       | 100       |
| AFAN 0609F  | 3/8            | 3/4       | 100       |
| AFAN 0809F  | 5/8            | 3/4       | 50        |
| PART NO.    | Tube O.D. (mm) | NH Thread | Qty / Box |
| AFAN 0609FM | 6              | 3/4       | 100       |
| AFAN 0809FM | 8              | 3/4       | 100       |
| AFAN 1009FM | 10             | 3/4       | 100       |

## FAB - Female Adapter



|             |                | BSP(P) Thread |           |
|-------------|----------------|---------------|-----------|
| PART NO.    | Tube O.D.      | BSP(P) Thread | Qty / Box |
| AFAB 0407F  | 1/4            | 1/2           | 100       |
| AFAB 0409F  | 1/4            | 3/4           | 100       |
| AFAB 0509F  | 5/16           | 3/4           | 100       |
| AFAB 0609F  | 3/8            | 3/4           | 100       |
| AFAB 0809F  | 5/8            | 3/4           | 50        |
| PART NO.    | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
| AFAB 0609FM | 6              | 3/4           | 100       |
| AFAB 0809FM | 8              | 3/4           | 100       |
| AFAB 1009FM | 10             | 3/4           | 100       |

## BMC - Brass Male Connector



|            |                | BSP(P) Thread |           |
|------------|----------------|---------------|-----------|
| PART NO.   | Tube O.D.      | Metric Thread | Qty / Box |
| BMC 04M10  | 1/4            | M10           | 500       |
| BMC 06M10  | 3/8            | M10           | 500       |
| PART NO.   | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
| BMCB 1004M | 10             | 1/4           | 500       |

1. Chrome plating is by special request.
2. Manufactured after receipt of order.

## BFAUF - Brass Female Adapter



|                |           | UNF Thread |           |
|----------------|-----------|------------|-----------|
| PART NO.       | Tube O.D. | UNF Thread | Qty / Box |
| BFAUF 04 7/16V | 1/4       | 7/16-20    | 400       |
| BFAUF 06 7/16V | 3/8       | 7/16-20    | 300       |
| BFAUF 06 5/8V  | 3/8       | 5/8-18     | 250       |

- 7/16 UNF corresponds to a 1/4 MFL
- 5/8 UNF corresponds to a 3/8 MFL

1. Chrome plating is by special request.
2. Manufactured after receipt of order.

# VALVES (WHITE / INCH)

## Hand Valves

### ■ Features



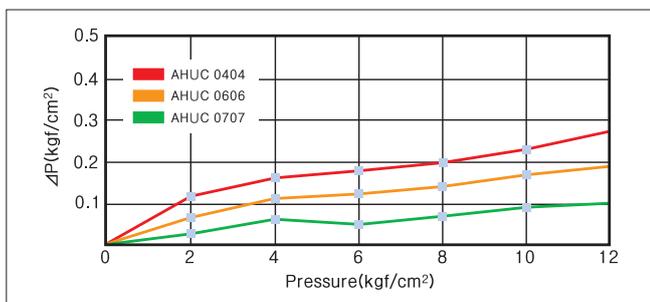
- Can be used with a variety of chemicals & gases. However, when using other than water or air, please refer to the Chemical Compatibility Tables or consult our representative.
- Do not apply excessive vibration, torque, shock, or other strong loads on the fittings. The valve body may be

damaged, or the collets may be dislocated.

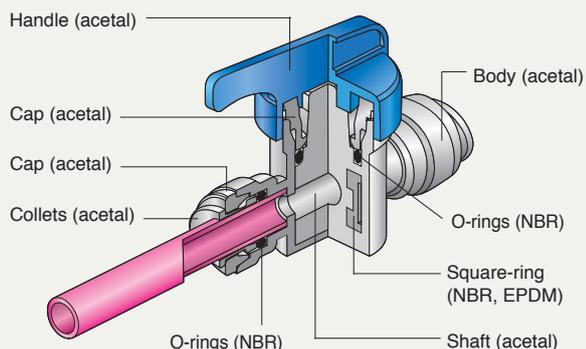
- Easy quarter-turn operation for opening and closing.
- Partial flow control is possible (high, medium, low).
- Ruggedly designed for durability.
- Color : Inch Size - white, Metric Size - Black
- Max. Handle Torque : 0.2 N-M

### ■ Working Pressure and Temperature

|              | Temperature | Pressure |
|--------------|-------------|----------|
| Air          | -20℃        | 10bar    |
| Air / Liquid | 1℃          | 10bar    |
|              | 20℃         | 10bar    |
|              | 65℃         | 7bar     |



### Structure



### HMC - Hand valve Male Connector



| PART NO.  | Tube O.D. | NPTF Thread | Qty / Box |
|-----------|-----------|-------------|-----------|
| AHMC 0404 | 1/4       | 1/4         | 150       |
| AHMC 0606 | 3/8       | 3/8         | 100       |
| AHMC 0707 | 1/2       | 1/2         | 70        |

### HUC - Hand valve Union Connector



| Fitting Size | PART NO.  | Tube O.D. | Tube O.D. | Qty / Box |
|--------------|-----------|-----------|-----------|-----------|
| Small Size   | AHUC 0404 | 1/4       | 1/4       | 150       |
|              | AHUC 0505 | 5/16      | 5/16      | 100       |
|              | AHUC 0606 | 3/8       | 3/8       | 100       |
|              | AHUC 0707 | 1/2       | 1/2       | 70        |
| Large Size   | AHUC 0806 | 5/8       | 3/8       | 50        |
|              | AHUC 0807 | 5/8       | 1/2       | 50        |
|              | AHUC 0808 | 5/8       | 5/8       | 40        |
|              | AHUC 1010 | 7/8       | 7/8       | 20        |

### HFA - Hand valve Female Adapter



| Fitting Size | PART NO.  | Tube O.D. | NPTF Thread | Qty / Box |
|--------------|-----------|-----------|-------------|-----------|
| Small Size   | AHFA 0404 | 1/4       | 1/4         | 100       |
|              | AHFA 0604 | 3/8       | 1/4         | 100       |
|              | AHFA 0606 | 3/8       | 3/8         | 100       |
|              | AHFA 0607 | 3/8       | 1/2         | 80        |
|              | AHFA 0706 | 1/2       | 3/8         | 70        |
|              | AHFA 0707 | 1/2       | 1/2         | 70        |
| Large Size   | AHFA 0806 | 5/8       | 3/8         | 40        |
|              | AHFA 0807 | 5/8       | 1/2         | 50        |

### HFAUC - Hand valve Female Adapter Union Connector



| PART NO.    | Tube O.D. | NPTF Thread | Qty / Box |
|-------------|-----------|-------------|-----------|
| AHFAUC 0607 | 3/8       | 1/2         | 100       |

| PART NO.     | Tube O.D. (mm) | BSP(T) Thread | Qty / Box |
|--------------|----------------|---------------|-----------|
| AHFAUC 1007M | 10             | 1/2           | 100       |

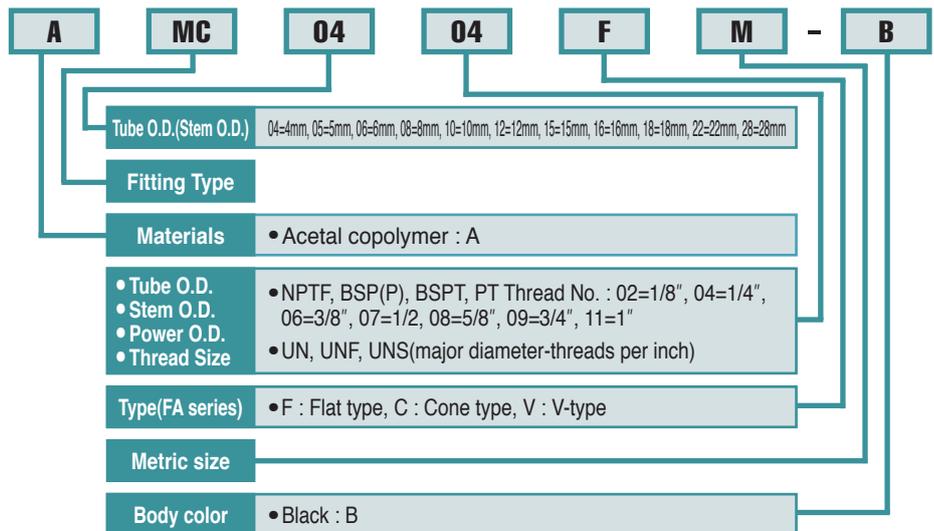
# ACETAL FITTINGS (BLACK / METRIC)



## ■ Suitable for

- **Water & foods use :** *DMfit*<sup>®</sup> products are manufactured from safe, non-toxic materials meeting the requirements of the US FDA, WRAS, ANSI/NSF-51, 61, and SK Zert. Our products are widely used in water purification, food/beverage and pneumatic systems.
- **Function & Quality :** *DMfit*<sup>®</sup> provides quick and convenient assembly - saving time & expense. Our ISO9001 registered quality system ensures our customers a superior level of product quality. Defects are easily detectable and maintenance is easy with its easy dismantling for access.
- **Collet Design :** Our unique oval collet design is superior and more practical, and is an improvement welcomed by our world-wide customers in all industries.
- **Applications :** Beyond water and food use, fittings can be used with air, gases, vacuum, & liquids. And all connections can be assembled & disassembled repeatedly. A broad of sizes covers a broad scope of applications.
- **Color :** Black (Acetal)

## Part Numbering System



### ME - Male Elbow

#### BSPT(PT) Thread



| PART NO.  | Tube O.D. (mm) | BSPT(PT) Thread | Qty / Box |
|-----------|----------------|-----------------|-----------|
| AME 0602M | 6              | 1/8             | 500       |
| AME 0604M | 6              | 1/4             | 400       |
| AME 0606M | 6              | 3/8             | 400       |
| AME 0804M | 8              | 1/4             | 300       |
| AME 0806M | 8              | 3/8             | 300       |
| AME 1004M | 10             | 1/4             | 250       |
| AME 1006M | 10             | 3/8             | 250       |
| AME 1206M | 12             | 3/8             | 200       |
| AME 1207M | 12             | 1/2             | 150       |
| AME 1506M | 15             | 3/8             | 100       |
| AME 1507M | 15             | 1/2             | 100       |
| AME 1606M | 16             | 3/8             | 100       |
| AME 1607M | 16             | 1/2             | 100       |

### MES - Male Elbow Swivel

#### BSPT(PT) Thread



| PART NO.   | Tube O.D. (mm) | BSPT(PT) Thread | Qty / Box |
|------------|----------------|-----------------|-----------|
| AMES 0402M | 4              | 1/8             | 500       |
| AMES 0404M | 4              | 1/4             | 400       |
| AMES 0502M | 5              | 1/8             | 500       |
| AMES 0602M | 6              | 1/8             | 300       |
| AMES0604M  | 6              | 1/4             | 300       |
| AMES 0802M | 8              | 1/8             | 200       |
| AMES 0804M | 8              | 1/4             | 200       |
| AMES 0806M | 8              | 3/8             | 200       |
| AMES 1004M | 10             | 1/4             | 150       |
| AMES 1006M | 10             | 3/8             | 150       |
| AMES 1206M | 12             | 3/8             | 100       |
| AMES 1207M | 12             | 1/2             | 100       |

# ACETAL FITTINGS (BLACK / METRIC)

## MC - Male Connector

BSPT(PT) Thread



| PART NO.  | Tube O.D. (mm) | BSPT(PT) Thread | Qty / Box |
|-----------|----------------|-----------------|-----------|
| AMC 0402M | 4              | 1/8             | 500       |
| AMC 0404M | 4              | 1/4             | 500       |
| AMC 0502M | 5              | 1/8             | 500       |
| AMC 0504M | 5              | 1/4             | 500       |
| AMC 0602M | 6              | 1/8             | 400       |
| AMC 0604M | 6              | 1/4             | 500       |
| AMC 0606M | 6              | 3/8             | 300       |
| AMC 0607M | 6              | 1/2             | 250       |
| AMC 0802M | 8              | 1/8             | 400       |
| AMC 0804M | 8              | 1/4             | 400       |
| AMC 0806M | 8              | 3/8             | 350       |
| AMC 1002M | 10             | 1/8             | 300       |
| AMC 1004M | 10             | 1/4             | 300       |
| AMC 1006M | 10             | 3/8             | 300       |
| AMC 1007M | 10             | 1/2             | 200       |
| AMC 1206M | 12             | 3/8             | 200       |
| AMC 1207M | 12             | 1/2             | 200       |
| AMC 1506M | 15             | 3/8             | 100       |
| AMC 1507M | 15             | 1/2             | 100       |
| AMC 1606M | 16             | 3/8             | 100       |
| AMC 1607M | 16             | 1/2             | 100       |
| AMC 1807M | 18             | 1/2             | 80        |
| AMC 2209M | 22             | 3/4             | 80        |
| AMC 2211M | 22             | 1               | 40        |

## MCB - Male Connector

BSP(P) Thread



| PART NO.   | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|------------|----------------|---------------|-----------|
| AMCB 0402M | 4              | 1/8           | 500       |
| AMCB 0404M | 4              | 1/4           | 400       |
| AMCB 0502M | 5              | 1/8           | 400       |
| AMCB 0504M | 5              | 1/4           | 400       |
| AMCB 0602M | 6              | 1/8           | 400       |
| AMCB 0604M | 6              | 1/4           | 400       |
| AMCB 0802M | 8              | 1/8           | 400       |
| AMCB 0804M | 8              | 1/4           | 400       |
| AMCB 0806M | 8              | 3/8           | 250       |
| AMCB 0807M | 8              | 1/2           | 200       |
| AMCB 1004M | 10             | 1/4           | 300       |
| AMCB 1006M | 10             | 3/8           | 250       |
| AMCB 1007M | 10             | 1/2           | 200       |
| AMCB 1206M | 12             | 3/8           | 200       |
| AMCB 1207M | 12             | 1/2           | 150       |
| AMCB 1507M | 15             | 1/2           | 150       |
| AMCB 1509M | 15             | 3/4           | 100       |
| AMCB 1607M | 16             | 1/2           | 150       |
| AMCB 1609M | 16             | 3/4           | 100       |
| AMCB 2209M | 22             | 3/4           | 80        |

## TEU - Tube Elbow Union



| PART NO.   | Tube O.D. (mm) | Stem O.D. (mm) | Qty / Box |
|------------|----------------|----------------|-----------|
| ATEU 0404M | 4              | 4              | 500       |
| ATEU 0505M | 5              | 5              | 500       |
| ATEU 0606M | 6              | 6              | 500       |
| ATEU 0610M | 6              | 10             | 400       |
| ATEU 0806M | 8              | 6              | 400       |
| ATEU 0808M | 8              | 8              | 350       |
| ATEU 0810M | 8              | 10             | 350       |
| ATEU 1010M | 10             | 10             | 250       |
| ATEU 1212M | 12             | 12             | 150       |
| ATEU 1515M | 15             | 15             | 100       |
| ATEU 2222M | 22             | 22             | 40        |

| PART NO.   | Tube O.D. (mm) | Stem O.D. (mm) | Qty / Box |
|------------|----------------|----------------|-----------|
| ATEU 16M08 | 16             | 5/8            | 100       |

## EU - Elbow Union



| PART NO.  | Tube O.D. (mm) | Tube O.D. (mm) | Qty / Box |
|-----------|----------------|----------------|-----------|
| AEU 0404M | 4              | 4              | 700       |
| AEU 0505M | 5              | 5              | 700       |
| AEU 0606M | 6              | 6              | 400       |
| AEU 0804M | 8              | 4              | 500       |
| AEU 0805M | 8              | 5              | 400       |
| AEU 0806M | 8              | 6              | 300       |
| AEU 0808M | 8              | 8              | 300       |
| AEU 1005M | 10             | 5              | 300       |
| AEU 1006M | 10             | 6              | 300       |
| AEU 1008M | 10             | 8              | 200       |
| AEU 1010M | 10             | 10             | 200       |
| AEU 1206M | 12             | 6              | 200       |
| AEU 1208M | 12             | 8              | 200       |
| AEU 1210M | 12             | 10             | 150       |
| AEU 1212M | 12             | 12             | 150       |
| AEU 1515M | 15             | 15             | 80        |
| AEU 1616M | 16             | 16             | 80        |
| AEU 1818M | 18             | 18             | 60        |
| AEU 2215M | 22             | 15             | 50        |
| AEU 2216M | 22             | 16             | 50        |
| AEU 2222M | 22             | 22             | 40        |
| AEU 2828M | 28             | 28             | 20        |

## MESB - Male Elbow Swivel

BSP(P) Thread



| PART NO.    | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|-------------|----------------|---------------|-----------|
| AMESB 0402M | 4              | 1/8           | 350       |
| AMESB 0404M | 4              | 1/4           | 350       |
| AMESB 0502M | 5              | 1/8           | 300       |
| AMESB 0504M | 5              | 1/4           | 300       |
| AMESB 0602M | 6              | 1/8           | 250       |
| AMESB 0604M | 6              | 1/4           | 250       |
| AMESB 0802M | 8              | 1/8           | 200       |
| AMESB 0804M | 8              | 1/4           | 200       |
| AMESB 0806M | 8              | 3/8           | 150       |
| AMESB 1004M | 10             | 1/4           | 140       |
| AMESB 1006M | 10             | 3/8           | 140       |
| AMESB 1007M | 10             | 1/2           | 100       |
| AMESB 1206M | 12             | 3/8           | 90        |
| AMESB 1207M | 12             | 1/2           | 80        |

**RD - ReDucer**



| PART NO.  | Tube O.D. (mm) | Stem O.D. (mm) | Qty / Box |
|-----------|----------------|----------------|-----------|
| ARD 0405M | 4              | 5              | 800       |
| ARD 0406M | 4              | 6              | 700       |
| ARD 0408M | 4              | 8              | 700       |
| ARD 0506M | 5              | 6              | 700       |
| ARD 0508M | 5              | 8              | 700       |
| ARD 0608M | 6              | 8              | 600       |
| ARD 0610M | 6              | 10             | 500       |
| ARD 0810M | 8              | 10             | 400       |
| ARD 0812M | 8              | 12             | 300       |
| ARD 1012M | 10             | 12             | 300       |
| ARD 1015M | 10             | 15             | 250       |
| ARD 1215M | 12             | 15             | 200       |
| ARD 1518M | 15             | 18             | 150       |
| ARD 1522M | 15             | 22             | 100       |
| ARD 1618M | 16             | 18             | 100       |
| ARD 1622M | 16             | 22             | 100       |
| ARD 1822M | 18             | 22             | 80        |
| ARD 2228M | 22             | 28             | 50        |

| PART NO.  | Tube O.D. | Stem O.D. | Qty / Box |
|-----------|-----------|-----------|-----------|
| ARD 0615M | 3/8       | 15mm      | 250       |
| ARD 1512M | 15        | 12mm      | 150       |

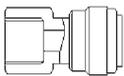
**EL - EnLarger**



| PART NO.  | Tube O.D. (mm) | Stem O.D. (mm) | Qty / Box |
|-----------|----------------|----------------|-----------|
| AEL1510M  | 15             | 10             | 150       |
| AEL 1512M | 15             | 12             | 150       |
| AEL1610M  | 16             | 10             | 150       |
| AEL 1612M | 16             | 12             | 150       |
| AEL 2215M | 22             | 15             | 60        |
| AEL 2822M | 28             | 22             | 50        |

| PART NO.  | Tube O.D. (mm) | Stem O.D. | Qty / Box |
|-----------|----------------|-----------|-----------|
| AEL 15M07 | 15             | 1/2       | 150       |
| AEL 16M07 | 16             | 1/2       | 150       |
| AEL 18M07 | 18             | 1/2       | 150       |

**FA - Female Adapter BSPT(PT) Thread**

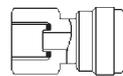


| PART NO.  | Tube O.D. (mm) | BSPT(PT) Thread | Qty / Box |
|-----------|----------------|-----------------|-----------|
| AFA 0602M | 6              | 1/8             | 500       |
| AFA 0604M | 6              | 1/4             | 400       |
| AFA 0802M | 8              | 1/8             | 300       |
| AFA 0804M | 8              | 1/4             | 300       |
| AFA 1002M | 10             | 1/8             | 300       |
| AFA 1004M | 10             | 1/4             | 300       |
| AFA 1507M | 15             | 1/2             | 100       |
| AFA 1509M | 15             | 3/4             | 100       |
| AFA 1607M | 16             | 1/2             | 100       |
| AFA 1609M | 16             | 3/4             | 100       |
| AFA 2209M | 22             | 3/4             | 50        |
| AFA 2211M | 22             | 1               | 40        |

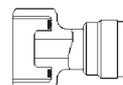
**FAU - Female Adapter UNS Thread (Cone Type)**



| PART NO.       | Tube O.D. (mm) | UNS Thread | Qty / Box |
|----------------|----------------|------------|-----------|
| AFAU 06 7/16CM | 6              | 7/16 - 24  | 400       |
| AFAU 08 7/16CM | 8              | 7/16 - 24  | 350       |
| AFAU 10 7/16CM | 10             | 7/16 - 24  | 300       |



**FAB - Female Adapter BSP(P) Thread (Cone Type)**



| PART NO.    | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|-------------|----------------|---------------|-----------|
| AFAB 0606CM | 6              | 3/8           | 200       |
| AFAB 0607CM | 6              | 1/2           | 200       |
| AFAB 0806CM | 8              | 3/8           | 150       |
| AFAB 0807CM | 8              | 1/2           | 200       |
| AFAB 1006CM | 10             | 3/8           | 200       |
| AFAB 1007CM | 10             | 1/2           | 200       |
| AFAB 1008CM | 10             | 5/8           | 150       |
| AFAB1206CM  | 12             | 3/8           | 150       |
| AFAB 1208CM | 12             | 5/8           | 150       |

**FAB - Female Adapter BSP(P) Thread**



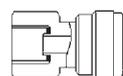
| PART NO.   | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|------------|----------------|---------------|-----------|
| AFAB 1507M | 15             | 1/2           | 100       |
| AFAB 1509M | 15             | 3/4           | 100       |
| AFAB 1607M | 16             | 1/2           | 100       |
| AFAB 1609M | 16             | 3/4           | 100       |
| AFAB 2209M | 22             | 3/4           | 40        |

**FAUN - Female Adapter UN Thread (V - Type)**



| PART NO.       | Tube O.D. (mm) | UN Thread | Qty / Box |
|----------------|----------------|-----------|-----------|
| AFAUN 08 1/2VM | 8              | 1/2 - 16  | 350       |
| AFAUN 10 1/2VM | 10             | 1/2 - 16  | 200       |
| AFAUN 12 1/2VM | 12             | 1/2 - 16  | 200       |

**FAUF - Female Adapter UNF Thread (Cone Type)**

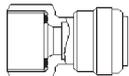


| PART NO.        | Tube O.D. (mm) | UNF Thread | Qty / Box |
|-----------------|----------------|------------|-----------|
| AFAUF 06 7/16CM | 6              | 7/16 - 20  | 400       |
| AFAUF 08 7/16CM | 8              | 7/16 - 20  | 300       |
| AFAUF 10 7/16CM | 10             | 7/16 - 20  | 300       |

# ACETAL FITTINGS (BLACK / METRIC)

## FAB - Female Adapter

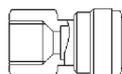
BSP(P) Thread (Flat Type)



| PART NO.    | Tube O.D.(mm) | BSP(P) Thread | Qty / Box |
|-------------|---------------|---------------|-----------|
| AFAB 0808FM | 8             | 5/8           | 200       |
| AFAB 1004FM | 10            | 1/4           | 200       |
| AFAB 1007FM | 10            | 1/2           | 150       |
| AFAB 1008FM | 10            | 5/8           | 150       |
| AFAB 1206FM | 12            | 3/8           | 150       |
| AFAB 1207FM | 12            | 1/2           | 150       |
| AFAB 1208FM | 12            | 5/8           | 150       |

## FAUF - Female Adapter

UNF Thread (V - Type)



| PART NO.        | Tube O.D. (mm) | UNF Thread | Qty / Box |
|-----------------|----------------|------------|-----------|
| AFAUF 06 7/16VM | 6              | 7/16 - 20  | 400       |
| AFAUF 08 7/16VM | 8              | 7/16 - 20  | 300       |
| AFAUF 10 7/16VM | 10             | 7/16 - 20  | 300       |
| AFAUF 10 5/8VM  | 10             | 5/8 - 18   | 350       |

## HA - Hub Adapter

NPSH Thread



| PART NO.  | Tube O.D. (mm) | NPSH Thread | Qty / Box |
|-----------|----------------|-------------|-----------|
| AHA 2211M | 22             | 1           | 40        |

## MTSB - Male Tee Swivel

BSP(P) Thread



| PART NO.    | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|-------------|----------------|---------------|-----------|
| AMTSB 0402M | 4              | 1/8           | 450       |
| AMTSB 0404M | 4              | 1/4           | 350       |
| AMTSB 0502M | 5              | 1/8           | 300       |
| AMTSB 0504M | 5              | 1/4           | 250       |
| AMTSB 0602M | 6              | 1/8           | 250       |
| AMTSB 0604M | 6              | 1/4           | 200       |
| AMTSB 0802M | 8              | 1/8           | 200       |
| AMTSB 0804M | 8              | 1/4           | 150       |
| AMTSB 0806M | 8              | 3/8           | 150       |
| AMTSB 1004M | 10             | 1/4           | 130       |
| AMTSB 1006M | 10             | 3/8           | 100       |
| AMTSB 1007M | 10             | 1/2           | 100       |
| AMTSB 1206M | 12             | 3/8           | 80        |
| AMTSB 1207M | 12             | 1/2           | 80        |

## MRSB - Male Run Swivel

BSP(P) Thread



| PART NO.    | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|-------------|----------------|---------------|-----------|
| AMRSB 0402M | 4              | 1/8           | 300       |
| AMRSB 0404M | 4              | 1/4           | 300       |
| AMRSB 0502M | 5              | 1/8           | 250       |
| AMRSB 0504M | 5              | 1/4           | 250       |
| AMRSB 0602M | 6              | 1/8           | 200       |
| AMRSB 0604M | 6              | 1/4           | 200       |
| AMRSB 0802M | 8              | 1/8           | 150       |
| AMRSB 0804M | 8              | 1/4           | 150       |
| AMRSB 0806M | 8              | 3/8           | 150       |
| AMRSB 1004M | 10             | 1/4           | 130       |
| AMRSB 1006M | 10             | 3/8           | 100       |
| AMRSB 1007M | 10             | 1/2           | 100       |
| AMRSB 1206M | 12             | 3/8           | 80        |
| AMRSB 1207M | 12             | 1/2           | 80        |

## MTS - Male Tee Swivel

BSPT(PT) Thread



| PART NO.   | Tube O.D. (mm) | BSPT(PT) Thread | Qty / Box |
|------------|----------------|-----------------|-----------|
| AMTS 0402M | 4              | 1/8             | 500       |
| AMTS 0404M | 4              | 1/4             | 400       |
| AMTS 0502M | 5              | 1/8             | 300       |
| AMTS 0504M | 5              | 1/4             | 250       |
| AMTS 0602M | 6              | 1/8             | 250       |
| AMTS 0802M | 8              | 1/8             | 200       |
| AMTS 0804M | 8              | 1/4             | 180       |
| AMTS 0806M | 8              | 3/8             | 150       |
| AMTS 1004M | 10             | 1/4             | 130       |
| AMTS 1006M | 10             | 3/8             | 100       |
| AMTS 1007M | 10             | 1/2             | 100       |
| AMTS 1206M | 12             | 3/8             | 70        |
| AMTS 1207M | 12             | 1/2             | 70        |

## MRS - Male Run Swivel

BSPT(PT) Thread



| PART NO.   | Tube O.D. (mm) | BSPT(PT) Thread | Qty / Box |
|------------|----------------|-----------------|-----------|
| AMRS 0402M | 4              | 1/8             | 500       |
| AMRS 0404M | 4              | 1/4             | 400       |
| AMRS 0502M | 5              | 1/8             | 300       |
| AMRS 0504M | 5              | 1/4             | 300       |
| AMRS 0602M | 6              | 1/8             | 250       |
| AMRS 0802M | 8              | 1/8             | 200       |
| AMRS 0804M | 8              | 1/4             | 200       |
| AMRS 0806M | 8              | 3/8             | 150       |
| AMRS 1004M | 10             | 1/4             | 130       |
| AMRS 1006M | 10             | 3/8             | 100       |
| AMRS 1007M | 10             | 1/2             | 100       |
| AMRS 1206M | 12             | 3/8             | 80        |
| AMRS 1207M | 12             | 1/2             | 80        |

## OC - Offset Connector



| PART NO.  | Tube O.D.(mm) | Tube O.D.(mm) | Qty / Box |
|-----------|---------------|---------------|-----------|
| AOC 1006M | 10            | 6             | 200       |
| AOC 1208M | 12            | 8             | 200       |

### CR - CRoss



| PART NO.  | Tube O.D.(mm) | Qty / Box |
|-----------|---------------|-----------|
| ACR 0404M | 4             | 300       |
| ACR 0606M | 6             | 250       |
| ACR 0808M | 8             | 200       |
| ACR 1010M | 10            | 120       |
| ACR 1212M | 12            | 80        |

### THWD - THree Way Divider



| PART NO.    | Tube O.D. (mm) | Tube O.D. (mm) | Qty / Box |
|-------------|----------------|----------------|-----------|
| ATHWD 1006M | 10             | 6              | 150       |
| ATHWD 1210M | 12             | 10             | 50        |

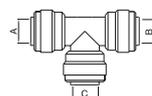
### SAB - Stem Adapter

BSP(P) Thread



| PART NO.   | Stem O.D. (mm) | BSP(P) Thread | Qty / Box |
|------------|----------------|---------------|-----------|
| ASAB 0402M | 4              | 1/8           | 900       |
| ASAB 0404M | 4              | 1/4           | 600       |
| ASAB 0502M | 5              | 1/8           | 600       |
| ASAB 0504M | 5              | 1/4           | 500       |
| ASAB 0602M | 6              | 1/8           | 500       |
| ASAB 0604M | 6              | 1/4           | 400       |
| ASAB 0802M | 8              | 1/8           | 500       |
| ASAB 0804M | 8              | 1/4           | 400       |
| ASAB 0806M | 8              | 3/8           | 250       |
| ASAB 1004M | 10             | 1/4           | 250       |
| ASAB 1006M | 10             | 3/8           | 250       |
| ASAB 1007M | 10             | 1/2           | 150       |
| ASAB 1206M | 12             | 3/8           | 150       |
| ASAB 1207M | 12             | 1/2           | 150       |
| ASAB 1506M | 15             | 3/8           | 150       |
| ASAB 1507M | 15             | 1/2           | 150       |
| ASAB 1807M | 18             | 1/2           | 100       |
| ASAB 2207M | 22             | 1/2           | 80        |
| ASAB 2209M | 22             | 3/4           | 80        |

### TU - Tee Union



| PART NO.    | Tube O.D. (A) (mm) | Tube O.D. (B) (mm) | Tube O.D. (C) (mm) | Qty / Box |
|-------------|--------------------|--------------------|--------------------|-----------|
| ATU 040404M | 4                  | 4                  | 4                  | 300       |
| ATU 050505M | 5                  | 5                  | 5                  | 350       |
| ATU 060606M | 6                  | 6                  | 6                  | 300       |
| ATU 080808M | 8                  | 8                  | 8                  | 200       |
| ATU 101006M | 10                 | 10                 | 6                  | 150       |
| ATU 101010M | 10                 | 10                 | 10                 | 150       |
| ATU 121210M | 12                 | 12                 | 10                 | 100       |
| ATU 121212M | 12                 | 12                 | 12                 | 100       |
| ATU 121012M | 12                 | 10                 | 12                 | 100       |
| ATU 151010M | 15                 | 10                 | 10                 | 50        |
| ATU 151510M | 15                 | 15                 | 10                 | 50        |
| ATU 151512M | 15                 | 15                 | 12                 | 50        |
| ATU 151515M | 15                 | 15                 | 15                 | 50        |
| ATU 151522M | 15                 | 15                 | 22                 | 40        |
| ATU 161616M | 16                 | 16                 | 16                 | 40        |
| ATU 161622M | 16                 | 16                 | 22                 | 40        |
| ATU 181815M | 18                 | 18                 | 15                 | 30        |
| ATU 181816M | 18                 | 18                 | 16                 | 30        |
| ATU 181818M | 18                 | 18                 | 18                 | 30        |
| ATU 221515M | 22                 | 15                 | 22                 | 20        |
| ATU 221522M | 22                 | 15                 | 22                 | 20        |
| ATU 222210M | 22                 | 22                 | 10                 | 20        |
| ATU 222215M | 22                 | 22                 | 15                 | 20        |
| ATU 221616M | 22                 | 16                 | 16                 | 20        |
| ATU 222216M | 22                 | 22                 | 16                 | 20        |
| ATU 222222M | 22                 | 22                 | 22                 | 20        |
| ATU 282815M | 28                 | 28                 | 15                 | 10        |
| ATU 282828M | 28                 | 28                 | 28                 | 10        |

### SA - Stem Adapter

BSPT(PT) Thread



| PART NO.  | Stem O.D. (mm) | BSPT(PT) Thread | Qty / Box |
|-----------|----------------|-----------------|-----------|
| ASA 0402M | 4              | 1/8             | 800       |
| ASA 0404M | 4              | 1/4             | 500       |
| ASA 0502M | 5              | 1/8             | 800       |
| ASA 0504M | 5              | 1/4             | 500       |
| ASA 0602M | 6              | 1/8             | 500       |
| ASA 0604M | 6              | 1/4             | 500       |
| ASA 0802M | 8              | 1/8             | 500       |
| ASA 0804M | 8              | 1/4             | 400       |
| ASA 0806M | 8              | 3/8             | 300       |
| ASA 1004M | 10             | 1/4             | 400       |
| ASA 1006M | 10             | 3/8             | 300       |
| ASA 1007M | 10             | 1/2             | 250       |
| ASA 1206M | 12             | 3/8             | 250       |
| ASA 1207M | 12             | 1/2             | 150       |

| PART NO.    | Tube O.D. (A) | Tube O.D. (B) | Tube O.D. (C) | Qty / Box |
|-------------|---------------|---------------|---------------|-----------|
| ATU 15M0606 | 15mm          | 3/8           | 3/8           | 50        |
| ATU 1515M06 | 15mm          | 15mm          | 3/8           | 50        |
| ATU 1616M07 | 16mm          | 16mm          | 1/2           | 20        |
| ATU 18M0606 | 18mm          | 3/8           | 3/8           | 20        |

| PART NO.      | Tube O.D. (A) | Tube O.D. (B) | Tube O.D. (C) | Tube O.D. (C) | Qty / Box |
|---------------|---------------|---------------|---------------|---------------|-----------|
| ATU 1515M0606 | 15mm          | 15mm          | 3/8           | 3/8           | 20        |

### BU - Bulkhead Union



| PART NO.  | Tube O.D. (mm) | Tube O.D. (mm) | Thread Size | Qty / Box |
|-----------|----------------|----------------|-------------|-----------|
| ABU 0404M | 4              | 4              | M16XP1      | 300       |
| ABU 0505M | 5              | 5              | M16XP1      | 300       |
| ABU 0606M | 6              | 6              | M16XP1      | 250       |
| ABU 0610M | 6              | 10             | M20XP1.5    | 200       |
| ABU 0808M | 8              | 8              | M20XP1.5    | 200       |
| ABU 1006M | 10             | 6              | M20XP1.5    | 150       |
| ABU 1010M | 10             | 10             | M20XP1.5    | 150       |
| ABU 1212M | 12             | 12             | M27XP1.5    | 70        |

### UB - U Bend



| PART NO.  | Tube O.D (mm) | Tube O.D (mm) | Qty / Box |
|-----------|---------------|---------------|-----------|
| AUB 0606M | 6             | 6             | 350       |
| AUB 0808M | 8             | 8             | 250       |
| AUB 1010M | 10            | 10            | 150       |
| AUB 1212M | 12            | 12            | 100       |
| AUB 1515M | 15            | 15            | 60        |
| AUB 1616M | 16            | 16            | 60        |
| AUB 2222M | 22            | 22            | 30        |

# ACETAL FITTINGS (BLACK / METRIC)

## TWD - Two Way Divider



| PART NO.   | Tube in (mm) | Tube out (mm) | Qty / Box |
|------------|--------------|---------------|-----------|
| ATWD 0404M | 4            | 4             | 400       |
| ATWD 0606M | 6            | 6             | 300       |
| ATWD 0808M | 8            | 8             | 200       |
| ATWD 1008M | 10           | 8             | 150       |
| ATWD 1010M | 10           | 10            | 150       |
| ATWD 1012M | 10           | 12            | 100       |
| ATWD 1212M | 12           | 12            | 100       |

## UC - Union Connector



| PART NO.  | Tube O.D. (mm) | Tube O.D. (mm) | Qty / Box |
|-----------|----------------|----------------|-----------|
| AUC 0404M | 4              | 4              | 500       |
| AUC 0505M | 5              | 5              | 500       |
| AUC 0604M | 6              | 4              | 500       |
| AUC 0605M | 6              | 5              | 400       |
| AUC 0606M | 6              | 6              | 350       |
| AUC 0804M | 8              | 4              | 400       |
| AUC 0805M | 8              | 5              | 300       |
| AUC 0806M | 8              | 6              | 300       |
| AUC 0808M | 8              | 8              | 300       |
| AUC 1004M | 10             | 4              | 300       |
| AUC 1005M | 10             | 5              | 300       |
| AUC 1006M | 10             | 6              | 250       |
| AUC 1008M | 10             | 8              | 250       |
| AUC 1010M | 10             | 10             | 250       |
| AUC 1208M | 12             | 8              | 200       |
| AUC 1210M | 12             | 10             | 150       |
| AUC 1212M | 12             | 12             | 150       |
| AUC 1510M | 15             | 10             | 100       |
| AUC 1512M | 15             | 12             | 100       |
| AUC 1515M | 15             | 15             | 100       |
| AUC 1612M | 16             | 12             | 100       |
| AUC 1615M | 16             | 15             | 100       |
| AUC 1616M | 16             | 16             | 100       |
| AUC 1818M | 18             | 18             | 60        |
| AUC 2215M | 22             | 15             | 50        |
| AUC 2216M | 22             | 16             | 50        |
| AUC 2222M | 22             | 22             | 50        |
| AUC 2828M | 28             | 28             | 40        |

| PART NO.  | Tube O.D. (mm) | Tube O.D. | Qty / Box |
|-----------|----------------|-----------|-----------|
| AUC 15M07 | 15             | 1/2       | 100       |
| AUC 12M06 | 12             | 3/8       | 100       |

## SUC - Swivel Union Connector

BSP(P) Thread



| PART NO.   | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|------------|----------------|---------------|-----------|
| ASUC 1507M | 15             | 1/2           | 80        |
| ASUC 1509M | 15             | 3/4           | 50        |
| ASUC 1607M | 16             | 1/2           | 80        |
| ASUC 1609M | 16             | 3/4           | 50        |
| ASUC 2209M | 22             | 3/4           | 40        |

## SEU - Swivel Elbow Union

BSP(P) Thread



| PART NO.   | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|------------|----------------|---------------|-----------|
| ASEU 1507M | 15             | 1/2           | 50        |
| ASEU 1509M | 15             | 3/4           | 50        |
| ASEU 1607M | 16             | 1/2           | 50        |
| ASEU 1609M | 16             | 3/4           | 50        |

## TES - Tube End Stop



| PART NO. | Tube O.D. (mm) | Qty / Box |
|----------|----------------|-----------|
| ATES 06M | 6              | 800       |
| ATES 08M | 8              | 600       |
| ATES 10M | 10             | 300       |
| ATES 12M | 12             | 200       |
| ATES 15M | 15             | 100       |
| ATES 16M | 16             | 100       |
| ATES 18M | 18             | 50        |
| ATES 22M | 22             | 50        |

## PL - Plug



| PART NO. | Stem O.D. (mm) | Qty / Box |
|----------|----------------|-----------|
| APL 04M  | 4              | 1000      |
| APL 05M  | 5              | 1000      |
| APL 06M  | 6              | 1000      |
| APL 08M  | 8              | 700       |
| APL 10M  | 10             | 500       |
| APL 12M  | 12             | 400       |
| APL 15M  | 15             | 250       |
| APL 18M  | 18             | 250       |
| APL 22M  | 22             | 100       |

## TBC - Tube Barb Connector



| PART NO.   | Stem O.D. (mm) | Tube I.D. (mm) | Qty / Box |
|------------|----------------|----------------|-----------|
| ATBC 0604M | 6              | 4              | 1000      |
| ATBC 0606M | 6              | 6              | 800       |
| ATBC 0806M | 8              | 6              | 700       |
| ATBC 1008M | 10             | 8              | 500       |
| ATBC 1010M | 10             | 10             | 500       |
| ATBC 1210M | 12             | 10             | 300       |

| PART NO.   | Stem O.D. (mm) | Tube O.D. | Qty / Box |
|------------|----------------|-----------|-----------|
| ATBC 15M06 | 15             | 3/8       | 300       |
| ATBC 15M07 | 15             | 1/2       | 300       |

## SSA - Stem to Stem Adapter



| PART NO.   | Stem O.D. (mm) | Stem O.D. | Qty / Box |
|------------|----------------|-----------|-----------|
| ASSA 15M06 | 15             | 3/8       | 200       |

# VALVES (BLACK / METRIC)

## Hand Valves

### HMC - Hand valve Male Connector



| PART NO.   | Tube O.D. (mm) | BSPT(PT) Thread | Qty / Box |
|------------|----------------|-----------------|-----------|
| AHMC 0604M | 6              | 1/4             | 150       |
| AHMC 1006M | 10             | 3/8             | 100       |
| AHMC 1207M | 12             | 1/2             | 70        |

### HVMCB - Hand Valve Male Connector BSP(P) Thread



| PART NO.     | Tube O.D.(mm) | BSP(P) Thread | Qty / Box |
|--------------|---------------|---------------|-----------|
| AHVMCB 1509M | 15            | 3/4           | 30        |

### HUC - Hand valve Union Connector



| Fitting Size | PART NO.   | Tube O.D. (mm) | Tube O.D. (mm) | Qty / Box |
|--------------|------------|----------------|----------------|-----------|
| Small Size   | AHUC 0606M | 6              | 6              | 150       |
|              | AHUC 0808M | 8              | 8              | 100       |
|              | AHUC 1010M | 10             | 10             | 100       |
|              | AHUC 1212M | 12             | 12             | 70        |
| Large Size   | AHUC 1510M | 15             | 10             | 50        |
|              | AHUC 1512M | 15             | 12             | 50        |
|              | AHUC 1515M | 15             | 15             | 40        |
|              | AHUC 1610M | 16             | 10             | 50        |
|              | AHUC 1616M | 16             | 16             | 40        |
|              | AHUC 2222M | 22             | 22             | 20        |
| Fitting Size | PART NO.   | Tube O.D. (mm) | Tube O.D. (mm) | Qty / Box |
| Large Size   | AHUC 16M06 | 15             | 3/8            | 40        |
|              | AHUC 16M07 | 15             | 1/2            | 40        |
|              | AHUC 16M08 | 15             | 5/8            | 50        |

### TWV - Three Way Valve



| PART NO.     | Tube O.D. (mm) | Tube O.D. (mm) | Tube O.D. (mm) | Qty / Box |
|--------------|----------------|----------------|----------------|-----------|
| ATWV 121212M | 12             | 12             | 12             | 20        |
| ATWV 161616M | 16             | 16             | 16             | 20        |

### HBC - Hand Barb Connector



| PART NO.   | Tube O.D. (mm) | Tube I.D. | Qty / Box |
|------------|----------------|-----------|-----------|
| AHBC 1507M | 15             | 1/2       | 100       |
| AHBC 2107M | 21             | 1/2       | 60        |
| AHBC 2109M | 21             | 3/4       | 50        |
| AHBC 2207M | 22             | 1/2       | 60        |
| AHBC 2209M | 22             | 3/4       | 50        |

### HSV - Hand Stop Valve connector



| PART NO.   | Tube O.D.(mm) | Tube O.D.(mm) | Qty / Box |
|------------|---------------|---------------|-----------|
| AHSV 1515M | 15            | 15            | 80        |
| AHSV 2115M | 21            | 15            | 60        |
| AHSV 2215M | 22            | 15            | 60        |

### HFA - Hand valve Female Adapter



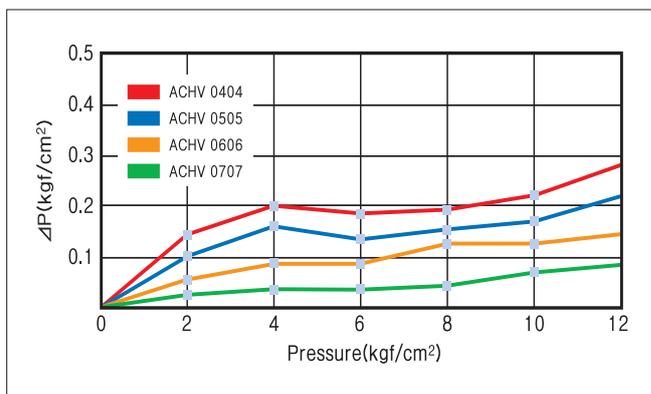
| Fitting Size | PART NO.   | Tube O.D. (mm) | BSPT(PT) Thread | Qty / Box |
|--------------|------------|----------------|-----------------|-----------|
| Small Size   | AHFA 0604M | 6              | 1/4             | 150       |
|              | AHFA 1006M | 10             | 3/8             | 100       |
|              | AHFA 1007M | 10             | 1/2             | 100       |
|              | AHFA 1206M | 12             | 3/8             | 70        |
|              | AHFA 1207M | 12             | 1/2             | 70        |
| Large Size   | AHFA 1506M | 15             | 3/8             | 40        |
|              | AHFA 1507M | 15             | 1/2             | 40        |
|              | AHFA 1606M | 16             | 3/8             | 40        |
|              | AHFA 1607M | 16             | 1/2             | 40        |

### THC - Throttle Hand valve Connector



| PART NO.   | Tube O.D.(mm) | Tube O.D.(mm) | Qty / Box |
|------------|---------------|---------------|-----------|
| ATHC 1515M | 15            | 15            | 20        |
| ATHC 2222M | 22            | 22            | 10        |

## Check Valves



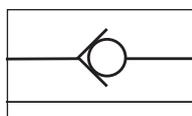
### Features

- Can be used with a variety of chemicals and gases. However, when using other than water or air, please refer to Chemical Compatibility Tables, or consult our representative.
- Do not apply excessive vibration, shock, torque, or other strong loads on the fittings. The valve body may be damaged or the collets may be dislocated.
- Superior function in a compact size.
- Color : Inch Size - White (Acetal)  
Metric Size - Black (Acetal)

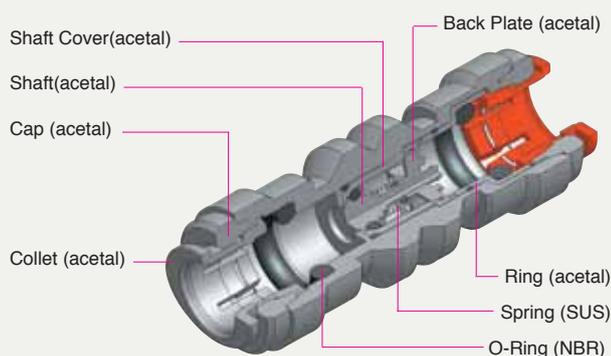
### Working Pressure and Temperature

| Pressure    | 10bar                  | 5bar        |
|-------------|------------------------|-------------|
| Temperature | 1°C(35°F) ~ 20°C(70°F) | 65°C(150°F) |

### Check Valve Sign



### Structure



### CHV - Check Valve



| PART NO.  | Outlet Tube O.D. | Inlet Tube O.D. | Qty / Box |
|-----------|------------------|-----------------|-----------|
| ACHV 0404 | 1/4              | 1/4             | 300       |
| ACHV 0405 | 1/4              | 5/16            | 250       |
| ACHV 0505 | 5/16             | 5/16            | 250       |
| ACHV 0606 | 3/8              | 3/8             | 200       |
| ACHV 0707 | 1/2              | 1/2             | 150       |



| PART NO.   | Outlet Tube O.D.(mm) | Inlet Tube O.D.(mm) | Qty / Box |
|------------|----------------------|---------------------|-----------|
| ACHV 0606M | 6                    | 6                   | 250       |
| ACHV 0808M | 8                    | 8                   | 200       |
| ACHV 1010M | 10                   | 10                  | 200       |
| ACHV 1212M | 12                   | 12                  | 150       |

### DCHV - Double Check Valve



| PART NO.   | Tube O.D. | Tube O.D. | Qty / Box |
|------------|-----------|-----------|-----------|
| ADCHV 0404 | 1/4       | 1/4       | 200       |

### DCHV - Double Check Valve



| PART NO.    | Tube O.D. (mm) | Tube O.D. (mm) | Qty / Box |
|-------------|----------------|----------------|-----------|
| ADCHV 1515M | 15             | 15             | 50        |

### MCHV - Mini Check Valve

NPTF Thread



| PART NO.    | Tube O.D. | NPTF Thread | Qty / Box |
|-------------|-----------|-------------|-----------|
| AMCHV 0402W | 1/4       | 1/8         | 500       |

● 1kgf/cm<sup>2</sup> - 980cc/min

# POLYETHYLENE TUBE



**DMfit**® tubing is produced from an advanced grade of low density polyethylene. Its greatest advantage is superior environmental stress cracking resistance (ESCR), greatly exceeding that of ordinary polyethylene tubing as measured by ASTM D-1693 (IGEPAL) tests. Environmental stresses that can shorten the service life of tubing include chemical exposure, aging connections with barb-type fittings, or high vibration loads with connections to compression fittings. Our tubing is compliant to ANSI/NSF-51, 61, WRAS and FDA requirements for food contact applications. Our tubing is available in multiple coding colors, and offers the user:

- Dimensional stability
- Uniformity and long-term strength
- Higher burst pressure
- Greater tensile strength
- Wide range of available colors.
- Suitable for use with **DMfit**® products and those of other manufacturers.

## Working Pressure and Temperature

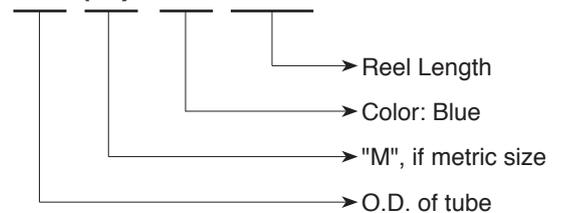
| Parameter       | Size | 5/32"                                              | 3/16" | 1/4" | 5/16"   | 3/8" | 1/2" |
|-----------------|------|----------------------------------------------------|-------|------|---------|------|------|
|                 |      | 4mm                                                | 5mm   | 6mm  | 8mm     | 10mm | 12mm |
| Pressure        |      | 230 psi                                            |       |      | 170 psi |      |      |
| Tube Tolerances |      | -0.1mm / +0.1mm                                    |       |      |         |      |      |
| Temperature     |      | <b>Air</b> -20°C(-4°F) ~ 65°C(150°F) <b>Liquid</b> |       |      |         |      |      |

※ Pressure values are based on PE tube used at room temperature.

※ Consult our representative when using at continuous elevated temperature and pressure.

## Order Information

**DPE 04 (M) - B - 0500**



## Colors Available

| Suffix | Color   | LLDPE |       |      | LDPE  |      |      | LLDPE |     |     | LDPE |      | LDPE, LLDPE | LDPE | PE-RT |       |
|--------|---------|-------|-------|------|-------|------|------|-------|-----|-----|------|------|-------------|------|-------|-------|
|        |         | 5/32" | 3/16" | 1/4" | 5/16" | 3/8" | 1/2" | 4mm   | 5mm | 6mm | 8mm  | 10mm | 12mm        | 15mm | 1/4"  | 5/16" |
| B      | Blue    | ○     | ○     | ○    | ○     | ○    | ○    | ○     | ○   | ○   | ○    | ○    | ○           | ○    | ○     | ○     |
| Y      | Yellow  | ○     | ○     | ○    | ○     | ○    | ○    | ○     | ○   | ○   | ○    | ○    | ○           | ○    | ○     | ○     |
| W      | White   | ○     | ○     | ○    | ○     | ○    | ○    | ○     | ○   | ○   | ○    | ○    | ○           | ○    | ○     | ○     |
| N      | Natural | ○     | ○     | ○    | ○     | ○    | ○    | ○     | ○   | ○   | ○    | ○    | ○           | ○    | ○     | ○     |
| BK     | Black   | ○     | ○     | ○    | ○     | ○    | ○    | ○     | ○   | ○   | ○    | ○    | ○           | ○    | ○     | ○     |
| R      | Red     | ○     | ○     | ○    | ○     | ○    | ○    | ○     | ○   | ○   | ○    | ○    | ○           | ○    | ○     | ○     |
| GR     | Gray    | ○     | ○     | ○    | ○     | ○    | ○    | ○     | ○   | ○   | ○    | ○    | ○           | ○    | ○     | ○     |
| G      | Green   | ○     | ○     | ○    | ○     | ○    | ○    | ○     | ○   | ○   | ○    | ○    | ○           | ○    | ○     | ○     |

## TC - Tube Cutter

- **DMfit**® Tube Cutter with quality blade is suitable for cutting plastic tubing sizes up to 13mm.



## Inch Size

| Part No.  | Material | O.D.In. | I.D. In. | Wall  | Reel Length (Meter) |
|-----------|----------|---------|----------|-------|---------------------|
| DPE 01    | LLDPE    | 5/32"   | 0.094    | 0.031 | 500                 |
| DPE 03    | LLDPE    | 3/16"   | 0.125    | 0.031 | 400                 |
| DPE 04    | LLDPE    | 1/4"    | 0.17     | 0.04  | 300                 |
| DPE-RT 04 | PE-RT    | 1/4"    | 0.17     | 0.04  | 300                 |
| DPE 05    | LDPE     | 5/16"   | 0.216    | 0.048 | 200                 |
| DPE-RT 05 | PE-RT    | 5/16"   | 0.216    | 0.048 | 200                 |
| DPE 06    | LDPE     | 3/8"    | 1/4"     | 0.062 | 150                 |
| DPE 07    | LDPE     | 1/2"    | 3/8"     | 0.062 | 100                 |

## Metric Size

| Part No | Material | O.D.In. | I.D. In. | Wall | Reel Length (Meter) |
|---------|----------|---------|----------|------|---------------------|
| DPE 04M | LLDPE    | 4       | 2.5      | 0.75 | 500                 |
| DPE 05M | LLDPE    | 5       | 3.5      | 0.75 | 400                 |
| DPE 06M | LLDPE    | 6       | 4        | 1    | 300                 |
| DPE 08M | LDPE     | 8       | 6        | 1    | 200                 |
| DPE 10M | LDPE     | 10      | 7        | 1.5  | 150                 |
| DPE 12M | LDPE     | 12      | 9        | 1.5  | 100                 |
| DPE 12M | LLDPE    | 12      | 9        | 1.5  | 100                 |
| DPE 15M | LDPE     | 15      | 11.5     | 1.75 | 70                  |

## TS - Tube Support



| PART NO. | Tube O.D. | Tube I.D. | Qty / Box |
|----------|-----------|-----------|-----------|
| ATS 04   | 1/4       | 0.170     | 3,500     |
| ATS 05   | 5/16      | 0.216     | 3,000     |
| ATS 06   | 3/8       | 1/4       | 1,500     |
| ATS 07   | 1/2       | 0.350     | 800       |
| ATS 08   | 5/8       | 0.476     | 600       |
| ATS 10   | 7/8       | 0.669     | 500       |

- The tube support is recommended for use with soft or very thin walled tubing.

| PART NO. | Tube O.D. (mm) | Tube I.D. (mm) | Qty / Box |
|----------|----------------|----------------|-----------|
| ATS 06M  | 6              | 4              | 3,500     |
| ATS 08M  | 8              | 6              | 3,000     |
| ATS 10M  | 10             | 7              | 1,600     |
| ATS 12M  | 12             | 9              | 800       |
| ATS 15M  | 15             | 11.4           | 600       |
| ATS 16M  | 16             | 12             | 600       |
| ATS 18M  | 18             | 14             | 400       |
| ATS 22M  | 22             | 17.6           | 500       |
| ATS 28M  | 28             | 23             | 300       |

## DSI - Double Seal Insert



| PART NO. | Tube O.D. | Tube I.D. | Qty / Box |
|----------|-----------|-----------|-----------|
| ADSI 06  | 3/8       | 1/4       | 2,000     |
| ADSI 07  | 1/2       | 0.332     | 1,000     |
| ADSI 08  | 5/8       | 0.472     | 800       |
| ADSI 10  | 7/8       | 0.669     | 600       |

| PART NO. | Tube O.D. (mm) | Tube I.D. (mm) | Qty / Box |
|----------|----------------|----------------|-----------|
| ADSI 08M | 8              | 6              | 3,000     |
| ADSI 10M | 10             | 7              | 2,000     |
| ADSI 12M | 12             | 9              | 1,000     |
| ADSI 15M | 15             | 11.5           | 600       |
| ADSI 16M | 16             | 12             | 800       |
| ADSI 18M | 18             | 14             | 600       |
| ADSI 22M | 22             | 17.5           | 600       |
| ADSI 28M | 28             | 23             | 400       |

## COV - collet COVER



| PART NO. | Tube O.D. | Qty / Box |
|----------|-----------|-----------|
| ACOV 04  | 1/4       | 700       |
| ACOV 05  | 5/16      | 600       |
| ACOV 06  | 3/8       | 600       |
| ACOV 07  | 1/2       | 500       |
| ACOV 08  | 5/8       | 500       |
| ACOV 10  | 7/8       | 300       |

| PART NO. | Tube O.D. (mm) | Qty / Box |
|----------|----------------|-----------|
| ACOV 06M | 6              | 700       |
| ACOV 08M | 8              | 600       |
| ACOV 10M | 10             | 600       |
| ACOV 12M | 12             | 500       |
| ACOV 15M | 15             | 500       |
| ACOV 16M | 16             | 500       |
| ACOV 18M | 18             | 400       |
| ACOV 22M | 22             | 300       |
| ACOV 28M | 28             | 200       |

## LC - Locking Clip



| PART NO. | Tube O.D. | Qty / Box |
|----------|-----------|-----------|
| ALC 03   | 3/16      | 12,000    |
| ALC 04   | 1/4       | 10,000    |
| ALC 05   | 5/16      | 8,000     |
| ALC 06   | 3/8       | 7,000     |
| ALC 07   | 1/2       | 5,000     |
| ALC 08   | 5/8       | 2,500     |
| ALC 10   | 7/8       | 2,000     |

| PART NO. | Tube O.D. (mm) | Qty / Box |
|----------|----------------|-----------|
| ALC 05M  | 5              | 12,000    |
| ALC 06M  | 6              | 10,000    |
| ALC 08M  | 8              | 8,000     |
| ALC 10M  | 10             | 7,000     |
| ALC 12M  | 12             | 5,000     |
| ALC 15M  | 15             | 4,000     |
| ALC 16M  | 16             | 4,000     |
| ALC 18M  | 18             | 3,000     |
| ALC 22M  | 22             | 2,000     |
| ALC 28M  | 28             | 2,000     |



- Ensures a firm and more secure connection
- With its protruding tab, attaching and detaching the clip is easy.
- Available in a variety of colors - allows easy color-coding.

## WATER BLOCK (Ref : 100041)



The Water Block valve is an overflow safety device, which controls the maximum consumption of water between 5 and 50 litres. If this quantity exceeds the set value, the Water Block stops the flow and keeps this safety condition until user intervention.

- Ambient temperature : 2°C – 60°C
- Operating pressure : 0.2 - 10 bar
- Flow rate : from 2 to 30 l/min
- Resistance to bursting : 50 bar at 25°C
- Rated life-span : > 300.000 litre
- 3/4" - threaded female connection in the inlet
- 3/4" - threaded male connection in the outlet
- Vertical assembly preferred
- Maximum volume value settable by 10 setting notches
- Every notch increases the set volume of 5 +/-1 l/min
- Food grade (WRAS, NSF pending)
- 2002/95/EC Directive (RoHS)

## EASY INSTALLATION TEE



John Guest Angle Stop Valves are manufactured in Acetal with EPDM 'O' Rings. They incorporate a single check valve and a 1/4 turn chromium plated ball valve. The valves are for use with potable water.

- EPDM 'O' rings
- Quick disconnection without the need for tools
- Pressure : 12 Bar at 20°C
- Temperature : 65°C

| Ref   | Male     | Tube       | Female   |
|-------|----------|------------|----------|
| ASV7  | 3/8" BSP | 3/8" (9,5) | 3/8" BSP |
| ASV8  | 1/2" BSP | 3/8" (9,5) | 1/2" BSP |
| ASV9  | 3/8" BSP | 1/4" (6,3) | 3/8" BSP |
| ASV10 | 1/2" BSP | 1/4" (6,3) | 1/2" BSP |

 **John Guest®**

## PRESSURE REGULATOR

Compact plastic pressure reducing valves for the regulation of air, gas and liquids.



### Ref : V51021

- 1/4" BSP female ports
- Maximum inlet pressure 15 bar
- Reduced pressure range 0.5 to 6 bar
- FDA and WRAS approved material suitable
- For hot and cold water applications (up to 65° C)
- Corrosion resistant
- Small, compact and lightweight
- Material :
  - Body : Polyamide 6
  - O-ring : NBR
  - Spring : Stainless steel AISI 303
  - Diaphragm : SBR 70 Shore
  - Diaphragm support : Brass CW 614 N
- Dimension : height 68 mm - Width 40 mm
- Gauge ports (blinded)







|                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Y JUNCTION WITHOUT VALVES</b></p>  <p>297551      G3/4 – G3/4</p>                                                                                                                                                              | <p><b>Y JUNCTION WITH VALVES</b></p>  <p>297001      G3/4-G3/4</p>                                                                                                                                                                                                                                | <p><b>DOUBLE SERVICE</b></p>  <p>696045      1/2" – 3/4"<br/>696055      3/4" – 3/4"</p>                                                                                                                                                                                                                                          |
| <p><b>REDUCTION BRASS MF</b></p>  <p>1135TR3814      R3/8"-G1/4"<br/>1135TR1214      R1/2"-G1/4"<br/>1135TR1238      R1/2"-G3/8"<br/>1135TR3414      R3/4"-G1/4"<br/>1135TR3438      R3/4"-G3/8"<br/>1135TR3412      R3/4"-G1/2"</p> | <p><b>NIPPLE BRASS MM</b></p>  <p>1110TR1414      R1/4"-R1/4"<br/>1112TR1438      R1/4"-R3/8"<br/>1112TR1412      R1/4"-R1/2"<br/>1110TR3838      R3/8"-R3/8"<br/>1112TR3812      R3/8"-R1/2"<br/>1110TR1212      R1/2"-R1/2"<br/>1112TR1234      R1/2"-R3/4"<br/>1110TR3434      R3/4"-R3/4"</p> | <p><b>SLEEVE BRASS FF</b></p>  <p>1125TR1414      G1/4"-G1/4"<br/>1126TR1438      G1/4"-G3/8"<br/>1126TR1412      G1/4"-G1/2"<br/>1125TR3838      G3/8"-G3/8"<br/>1126TR3812      G3/8"-G1/2"<br/>1126TR3834      G3/8"-G3/4"<br/>1125TR1212      G1/2"-G1/2"<br/>1126TR1234      G1/2"-G3/4"<br/>1125TR3434      G3/4"-G3/4"</p> |
| <p><b>ELBOW BRASS FF</b></p>  <p>1200TR14      G1/4"<br/>1200TR38      G3/8"<br/>1200TR12      G1/2"<br/>1200TR34      G3/4"</p>                                                                                                   | <p><b>ELBOW BRASS MF</b></p>  <p>1205TR14      R1/4"-G1/4"<br/>1205TR38      R3/8"-G1/4"<br/>1205TR12      R1/2"-G1/2"<br/>1205TR34      R3/4"-G3/4"</p>                                                                                                                                        | <p><b>THREAD SEALING</b></p>  <p>LOXEAL 5503  50 ml<br/>LOXEAL 5810      PTFE 75 ml<br/>LOXEAL 5811      75 ml<br/>PTFE Band      12 mm</p>                                                                                                |
| <p><b>TEE BRASS FFF</b></p>  <p>1220TR14      G1/4"<br/>1220TR38      G3/8"<br/>1220TR12      G1/2"<br/>1220TR34      G3/4"</p>                                                                                                    | <p><b>TEE BRASS MMM</b></p>  <p>1230TR14      R1/4"<br/>1230TR38      R3/8"<br/>1230TR12      R1/2"<br/>1230TR34      R3/4"</p>                                                                                                                                                                 | <p><b>HOSECUTTER</b></p>  <p>27000414      4-14 mm</p>                                                                                                                                                                                                                                                                          |

# SERTO



## LEFORT

COUPLINGS - VALVES - TUBING

Rue Romanie Van Dijkstraat, 25  
1070 Anderlecht Brussels BELGIUM  
T + 32 2 522 31 19 F + 32 2 520 06 97  
[www.lefort.be](http://www.lefort.be) [info@lefort.be](mailto:info@lefort.be)