

SEPT. 2002



# *DMfit*®

*Fittings, Valves, Cartridges, Tubing*



**IDM DMT**

# DMfit®

## PUSH-IN TUBE FITTINGS



### WRAS approval :

DMfit® is complying with the requirements of the United Kingdom Water Regulation.



### FDA approval :

DMfit® fittings are produced in FDA approved materials.



### SK Zert, NSF-51 Certifications :

DMfit® fittings are suitable for contact with foodstuffs & drinking water.



### ISO 9001 Certifications :

DMfit® fittings are produced under ISO 9001 system.

Since the inception in 1987, DMT Co., Ltd. has taken the leading position in the PC casing industry based on our quality-first spirit, credibility and technologies.

Now, DMT Co., Ltd. is making a second leap toward the fittings business. DMT Co., Ltd. will press toward a global leader, contributing to the food, automation, bio-engineering and home appliances industries.



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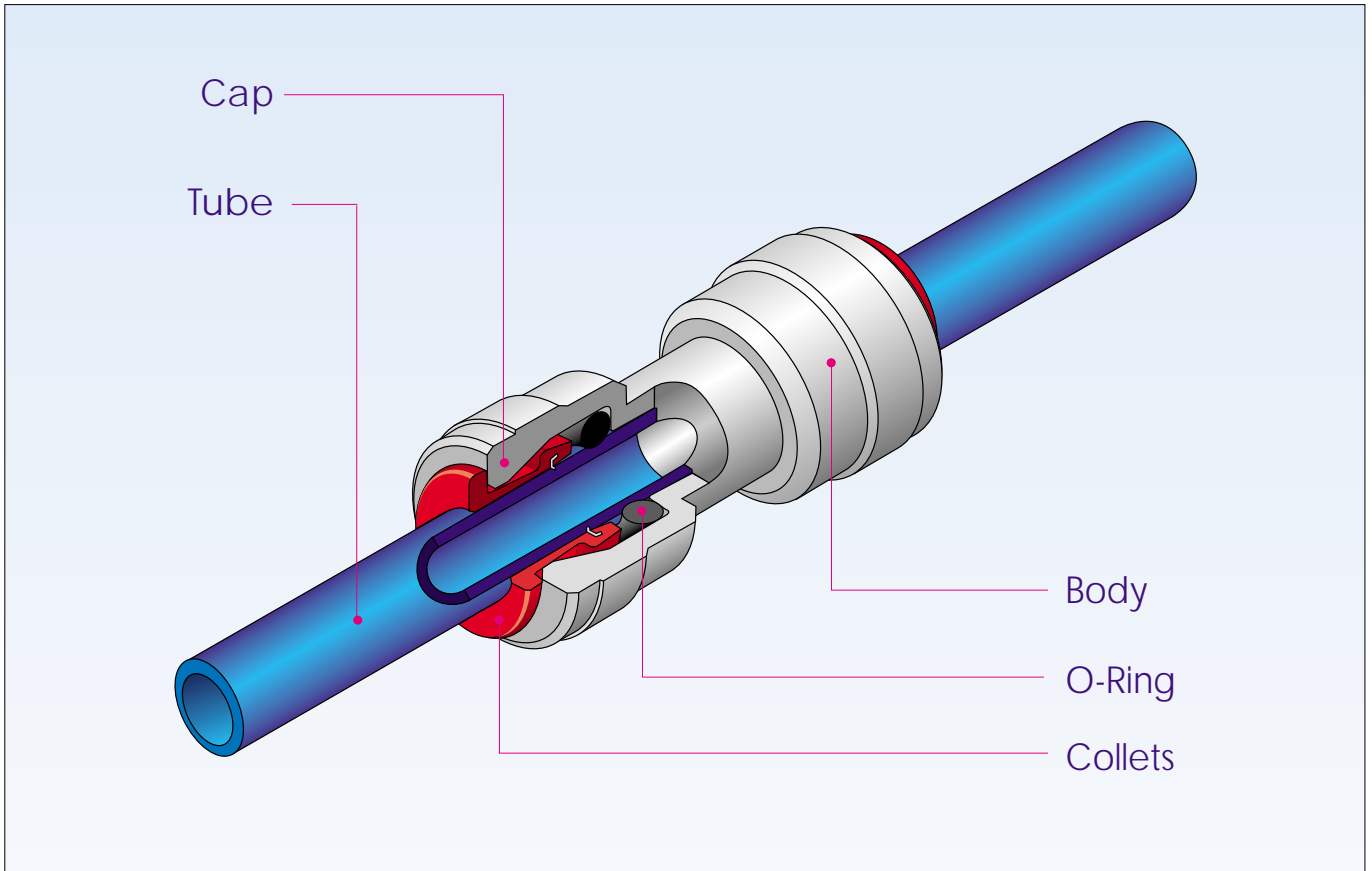
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# DMfit® PUSH-IN TUBE FITTINGS



## Material Standards

Quality material	Fittings Color	O-ring
POM (Polyacetal Oxide Material)	Grey, Black, White	NBR EPDM
P · P (Polypropylens)	White	
Brass (Brass, SPLicr)	Gold, Silver	

## Working Pressure and Temperature of Fittings

Temperature	Size	5/32"	3/16	1/4"	5/16"	3/8"	1/2"	
		4mm	5mm	6mm	8mm	10mm	12mm	
-20°C (-4°F)		230psi				170psi		air
1°C (34°F)		230psi				170psi		air and liquids
20°C (68°F)		230psi				170psi		
65°C (149°F)		150psi				100psi		

※ If DMfit is to be used at a different temperature or pressure, contact and consult us.

## Outer Diameter Tolerance Limit of Tube Available in DMfit

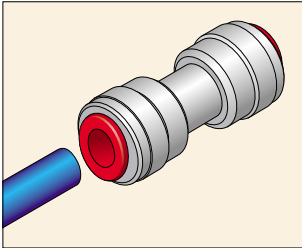
SIZE	Tolerance
5/32", 4mm	±0.002" (±0.05mm)
3/16", 5mm	
1/4", 6mm	+0.002" (+0.05mm) -0.004" (-0.10mm)
5/16", 8mm	
3/8", 10mm	
1/2", 12mm	

## Permissible Torque

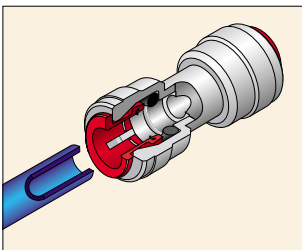
Torque		Thread		1/8", 1/4"		3/8", 1/2"		3/4"
Plastic	Maximum Torque	(N · m)	1.5		3.0		4.0	
			Steel	Maximum Torque	(N · m)	7.0-9.0	12.0-14.0	22.0-24.0

※ The above value indicate maximum torque for plastic threaded DMfit. (There may be slight difference in the field.)

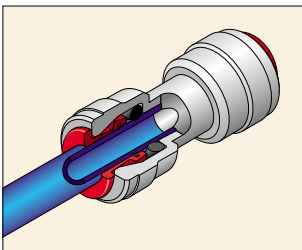
**working**



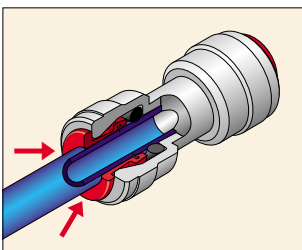
- Cut the front end of the tube vertically before inserting it.
- The outer surface of the tube into which it is inserted shall be smooth and clean, free from scratches.



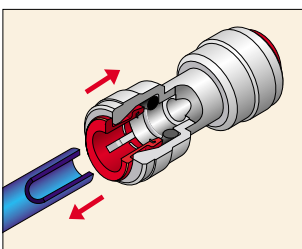
- Although there will be a feeling that the inserting is blocked before the tube stop is reached, insert it thoroughly to the tube stop.



- To insure the firm joint of the tube, try to pull out the tube at a suitable torque.
- Collets stainless steel teeth prevents the tube from being separated from the tube and o-ring prevents leakage.



- Remove any clearance between the body and collets and pull the tube to remove the fittings from the tube.
- The fittings are reusable.



- At this moment, the unique oval design of DMfit® collets facilitates the work.
- The oval shape at the handle offers a good grip and easy connecting and disconnecting.
- The rounded stainless teeth minimize the scratch on the reused tube, offering a good connection.

**Terms and Conditions**

Please read, understand, and follow all instructions, precautions, and warnings prior to using Dmfit(r) 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, refer to published chemical compatibility data, or contact DMT for advice.
- ② Do not disassemble or modify the individual product, 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 80<sub>i</sub> (180<sub>c</sub>) as a working temperature. 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(r) 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(r) 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 picture shown.
- ⑨ Connecting DMfit(r) products to tubing or connecting elements other than DMfit(r) 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 OD 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.

**Features of General Materials**

- **POM** : Also known as Acetal. Highly durable and very 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.
- **P.P** : Has excellent chemical resistance, cold endurance, and high tolerance to oxidizers.

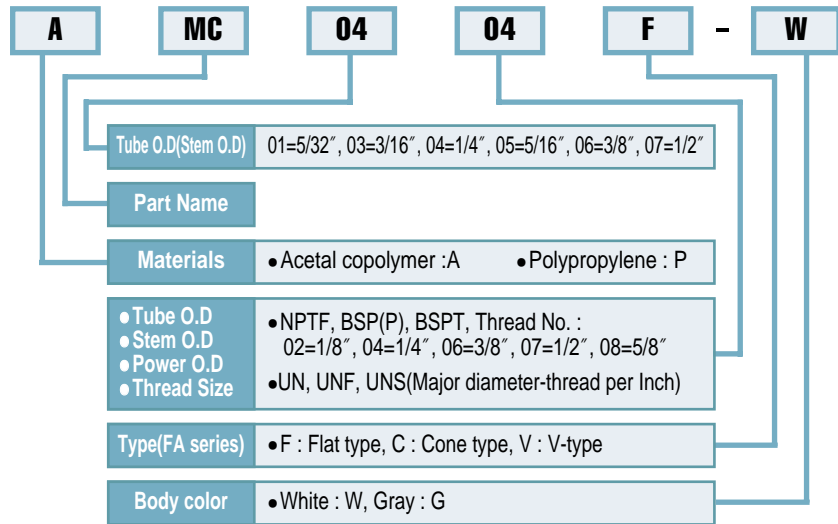
# INCH SIZE FITTINGS




## ■ Features

- **Available for food :** *DMfit*® is made of non-toxic, harmless materials that are approved by FDA, NSF-51, and SK Zert. DMfit products are used as part of the water purifications, water, foods and beverage systems.
- **Workability :** *DMfit*® is available in a quicker, more convenient and safer manner. This ISO9001 acknowledged system offers and maintains a very high quality standard. Defects are easily detectable and maintenance is easy with its easy dismantling for access.
- **Design :** The unique Collets design, based on the practicalism, is being applauded by the many customers from all over the world.
- **Application:** It can be readily used for inert gas, liquids and vacuum. It is proper for plastic and is repeatedly reusable. Also, as we offer various sizes for each model, the products have a broad scope of application.
- **Color:** Gray

## Order Information




### MC-Male Connector NPTF Thread



PART NO.	Tube O.D	NPTF Thread	Q'ty / 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	500
AMC 0404	1/4	1/4	500
AMC 0406	1/4	3/8	400
AMC 0407	1/4	1/2	250
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	300
AMC 0607	3/8	1/2	250
AMC 0706	1/2	3/8	200
AMC 0707	1/2	1/2	200

### MCB-Male Connector BSP(P) Thread



PART NO.	Tube O.D	BSP(P) Thread	Q'ty / 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	500
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 0604	3/8	1/4	300
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

**ME-Male Elbow NPTF Thread**



PART NO.	Tube O.D	NPTF Thread	Q'ty / Box
AME 0302	3/16	1/8	500
AME 0402	1/4	1/8	500
AME 0404	1/4	1/4	400
AME 0406	1/4	3/8	400
AME 0504	5/16	1/4	300
AME 0506	5/16	3/8	300
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

**EU-Elbow Union**



PART NO.	Tube O.D	Tube O.D	Q'ty / Box
AEU 0101	5/32	5/32	700
AEU 0303	3/16	3/16	700
AEU 0404	1/4	1/4	400
AEU 0501	5/16	5/32	500
AEU 0503	5/16	3/16	400
AEU 0504	5/16	1/4	300
AEU 0505	5/16	5/16	250
AEU 0603	3/8	3/16	300
AEU 0604	3/8	1/4	300
AEU 0605	3/8	5/16	250
AEU 0606	3/8	3/8	250
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



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



PART NO.	Tube O.D	BSPT(PT) Thread	Q'ty / 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	400
AMCBT 0407	1/4	1/2	250
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	250
AMCBT 0706	1/2	3/8	200
AMCBT 0707	1/2	1/2	200

**TEU-Tube Elbow Union**



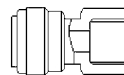
PART NO.	Tube O.D	Stem O.D	Q'ty / Box
ATEU 0101	5/32	5/32	800
ATEU 0303	3/16	3/16	600
ATEU 0404	1/4	1/4	500
ATEU 0406	1/4	3/8	400
ATEU 0505	5/16	5/16	400
ATEU 0506	5/16	3/8	350
ATEU 0606	3/8	3/8	250
ATEU 0707	1/2	1/2	200

**MES-Male Elbow Swivel NPTF Thread**



PART NO.	Tube O.D	NPTF Thread	Q'ty / 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	150
AMES 0706	1/2	3/8	100
AMES 0707	1/2	1/2	100

**FA-Female Adapter NPTF Thread**



PART NO.	Tube O.D	NPTF Thread	Q'ty / Box
AFA 0402	1/4	1/8	500
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

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



PART NO.	Stem O.D	BSP(P) Thread	Q'ty / Box
ASAB 0604	3/8	1/4	400
ASAB 0606	3/8	3/8	250
ASAB 0607	3/8	1/2	150
ASAB 0707	1/2	1/2	150

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



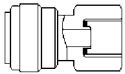
PART NO.	Tube O.D	UN Thread	Q'ty / Box
AFAUN 061/2V	3/8	1/2 - 16	300
AFAUN 071/2V	1/2	1/2 - 16	250

# INCH SIZE FITTINGS

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



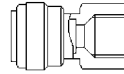
PART NO.	Tube O.D	UNF Thread	Q'ty / Box
AFAUF 047/16C	1/4	7/16 - 20	400
AFAUF 057/16C	5/16	7/16 - 20	300
AFAUF 067/16C	3/8	7/16 - 20	300



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



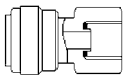
PART NO.	Tube O.D	UNF Thread	Q'ty / Box
AFAUF 047/16V	1/4	7/16 - 20	600
AFAUF 057/16V	5/16	7/16 - 20	400
AFAUF 067/16V	3/8	7/16 - 20	400



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



PART NO.	Tube O.D	UNS Thread	Q'ty / Box
AFAU 047/16C	1/4	7/16 - 24	400
AFAU 057/16C	5/16	7/16 - 24	300
AFAU 067/16C	3/8	7/16 - 24	200



## SA-Stem Adapter NPTF Thread

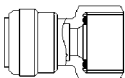


PART NO.	Stem O.D	NPTF Thread	Q'ty / Box
ASA 0102	5/32	1/8	800
ASA 0104	5/32	1/4	500
ASA 0302	3/16	1/8	800
ASA 0402	1/4	1/8	500
ASA 0404	1/4	1/4	500
ASA 0502	5/16	1/8	500
ASA 0504	5/16	1/4	400
ASA 0506	5/16	3/8	300
ASA 0604	3/8	1/4	400
ASA 0606	3/8	3/8	300
ASA 0706	1/2	3/8	250
ASA 0707	1/2	1/2	150

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



PART NO.	Tube O.D	BSP(P) Thread	Q'ty / Box
AFAB 0608F	3/8	5/8	200
AFAB 0706F	1/2	3/8	200
AFAB 0707F	1/2	1/2	200



## RD-Reducer

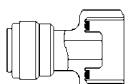


PART NO.	Tube O.D	Stem O.D	Q'ty / Box
ARD 0104	5/32	1/4	800
ARD 0305	3/16	5/16	700
ARD 0306	3/16	3/8	600
ARD 0405	1/4	5/16	700
ARD 0406	1/4	3/8	500
ARD 0506	5/16	3/8	400
ARD 0507	5/16	1/2	300
ARD 0607	3/8	1/2	300

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



PART NO.	Tube O.D	BSP(P) Thread	Q'ty / Box
AFAB 0406C	1/4	3/8	300
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



## TBC-Tube Barb Connector



PART NO.	Stem O.D	Tube I.D	Q'ty / 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	700
ATBC 0504	5/16	1/4	700
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

**TEB-Tube Elbow Barb Connector**



PART NO.	Stem O.D	Tube I.D	Q'ty / Box
ATEB 0404	1/4	1/4	800
ATEB 0405	1/4	5/16	800
ATEB 0504	5/16	1/4	800
ATEB 0505	5/16	5/16	800
ATEB 0604	3/8	1/4	600
ATEB 0605	3/8	5/16	600

**OC-Offset Connector**



PART NO.	Tube O.D	Tube O.D	Q'ty / Box
AOC 0604	3/8	1/4	300
AOC 0705	1/2	5/16	200

**TU-Tee Union**



PART NO.	Tube O.D RUN	Tube O.D Stem	Q'ty / Box
ATU 0101	5/32	5/32	350
ATU 0303	3/16	3/16	350
ATU 0404	1/4	1/4	350
ATU 0505	5/16	5/16	250
ATU 0604	3/8	1/4	150
ATU 0606	3/8	3/8	150
ATU 0706	1/2	3/8	100
ATU 0707	1/2	1/2	100

**UC-Union Connector**



PART NO.	Tube O.D	Tube O.D	Q'ty / 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	400
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

**MTS-Male Tee Swivel NPTF Thread**



PART NO.	Tube O.D	NPTF Thread	Q'ty / 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	250
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

**TWD-Two Way Divider**



PART NO.	Tube in	Tube out	Q'ty / 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

**MRS-Male Run Swivel NPTF Thread**



PART NO.	Tube O.D	NPTF Thread	Q'ty / 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	250
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	Q'ty / Box
ATHWD 0604	3/8	1/4	150
ATHWD 0706	1/2	3/8	50

# INCH SIZE FITTINGS

## PL-Plug



PART NO.	Stem O.D	Q'ty / 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

## BU-Bulkhead Union



PART NO.	Tube O.D	Tube O.D	Q'ty / Box
ABU 0101	5/32	5/32	300
ABU 0303	3/16	3/16	300
ABU 0404	1/4	1/4	250
ABU 0406	1/4	3/8	200
ABU 0505	5/16	5/16	200
ABU 0604	3/8	1/4	150
ABU 0606	3/8	3/8	150
ABU 0707	1/2	1/2	70

## UB-U Bend



PART NO.	Tube in	Tube out	Q'ty / Box
AUB 0404	1/4	1/4	350
AUB 0505	5/16	5/16	250
AUB 0606	3/8	3/8	150
AUB 0707	1/2	1/2	100

## CR-Cross



PART NO.	Tube O.D	Q'ty / Box
ACR 0101	5/32	300
ACR 0404	1/4	250
ACR 0505	5/16	200
ACR 0606	3/8	120
ACR 0707	1/2	80

## TES-Tube End Stop



PART NO.	Tube O.D	Q'ty / Box
ATES 04	1/4	800
ATES 05	5/16	600
ATES 06	3/8	300
ATES 07	1/2	200

## Adaptability

- Each product of DMfit may be combined into a new design.
- Unlike other products from our competitors, separation/reuse are easy.





## ■ Features

- **Available for food :** *DMfit*® is made of non-toxic, harmless materials that are approved by FDA, NSF-51, and SK Zert. DMfit products are used as part of the water purifications, water, foods and beverage systems.
- **Workability :** *DMfit*® is available in a quicker, more convenient and safer manner. This ISO9001 acknowledged system offers and maintains a very high quality standard. Defects are easily detectable and maintenance is easy with its easy dismantling for access.
- **Design :** The unique Collets design, based on the practicalism, is being applauded by the many customers from all over the world.
- **Application:** It can be readily used for inert gas, liquids and vacuum. It is proper for plastic and is repeatedly reusable. Also, as we offer various sizes for each model, the products have a broad scope of application.
- **Color:** White

### MC-Male Connector NPTF Thread



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

### EU-Elbow Union



PART NO.	Tube O.D	Tube O.D	Q'ty / Box
AEU 0101W	5/32	5/32	700
AEU 0303W	3/16	3/16	700
AEU 0404W	1/4	1/4	400
AEU 0501W	5/16	5/32	500
AEU 0503W	5/16	3/16	400
AEU 0504W	5/16	1/4	300
AEU 0505W	5/16	5/16	250
AEU 0603W	3/8	3/16	300
AEU 0604W	3/8	1/4	300
AEU 0605W	3/8	5/16	250
AEU 0606W	3/8	3/8	250
AEU 0704W	1/2	1/4	150
AEU 0705W	1/2	5/16	150
AEU 0706W	1/2	3/8	150
AEU 0707W	1/2	1/2	150

### ME-Male Elbow NPTF Thread



PART NO.	Tube O.D	NPTF Thread	Q'ty / Box
AME 0302W	3/16	1/8	500
AME 0402W	1/4	1/8	500
AME 0404W	1/4	1/4	400
AME 0406W	1/4	3/8	400
AME 0504W	5/16	1/4	300
AME 0506W	5/16	3/8	300
AME 0604W	3/8	1/4	250
AME 0606W	3/8	3/8	250
AME 0706W	1/2	3/8	200
AME 0707W	1/2	1/2	150

### TEU-Tube Elbow Union



PART NO.	Tube O.D	Stem O.D	Q'ty / Box
ATEU 0101W	5/32	5/32	800
ATEU 0303W	3/16	3/16	600
ATEU 0404W	1/4	1/4	500
ATEU 0406W	1/4	3/8	400
ATEU 0505W	5/16	5/16	400
ATEU 0506W	5/16	3/8	350
ATEU 0606W	3/8	3/8	250
ATEU 0707W	1/2	1/2	200

# INCH SIZE FITTINGS

## RD-Reducer



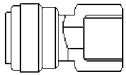
PART NO.	Tube O.D	Stem O.D	Q'ty / Box
ARD 0104W	5/32	1/4	800
ARD 0305W	3/16	5/16	700
ARD 0306W	3/16	3/8	600
ARD 0405W	1/4	5/16	700
ARD 0406W	1/4	3/8	500
ARD 0506W	5/16	3/8	400
ARD 0507W	5/16	1/2	300
ARD 0607W	3/8	1/2	300

## TU-Tee Union



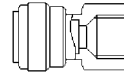
PART NO.	Tube O.D RUN	Tube O.D Stem	Q'ty / Box
ATU 0101W	5/32	5/32	350
ATU 0303W	3/16	3/16	350
ATU 0404W	1/4	1/4	350
ATU 0505W	5/16	5/16	250
ATU 0604W	3/8	1/4	150
ATU 0606W	3/8	3/8	150
ATU 0706W	1/2	3/8	100
ATU 0707W	1/2	1/2	100

## FA-Female Adapter NPTF Thread



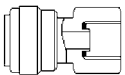
PART NO.	Tube O.D	NPTF Thread	Q'ty / Box
AFA 0402W	1/4	1/8	500
AFA 0404W	1/4	1/4	400
AFA 0502W	5/16	1/8	300
AFA 0504W	5/16	1/4	300
AFA 0602W	3/8	1/8	300
AFA 0604W	3/8	1/4	300

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



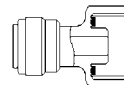
PART NO.	Tube O.D	UN Thread	Q'ty / Box
AFAUN 061/2VW	3/8	1/2 - 16	300
AFAUN 071/2VW	1/2	1/2 - 16	250

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



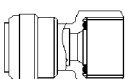
PART NO.	Tube O.D	UNS Thread	Q'ty / Box
AFAU 047/16CW	1/4	7/16 - 24	400
AFAU 057/16CW	5/16	7/16 - 24	300
AFAU 067/16CW	3/8	7/16 - 24	200

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



PART NO.	Tube O.D	BSP(P) Thread	Q'ty / Box
AFAB 0406CW	1/4	3/8	300
AFAB 0407CW	1/4	1/2	200
AFAB 0506CW	5/16	3/8	200
AFAB 0507CW	5/16	1/2	200
AFAB 0606CW	3/8	3/8	200
AFAB 0607CW	3/8	1/2	200
AFAB 0608CW	3/8	5/8	150

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



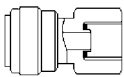
PART NO.	Tube O.D	BSP(P) Thread	Q'ty / Box
AFAB 0608FW	3/8	5/8	150
AFAB 0706FW	1/2	3/8	200
AFAB 0707FW	1/2	1/2	150

## SA-Stem Adapter NPTF Thread



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

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



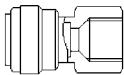
PART NO.	Tube O.D	UNF Thread	Q'ty / Box
AFAUF 047/16CW	1/4	7/16 - 20	400
AFAUF 057/16CW	5/16	7/16 - 20	300
AFAUF 067/16CW	3/8	7/16 - 20	300

**TES-Tube End Stop**



PART NO.	Tube O.D	Q'ty / Box
ATES 04W	1/4	800
ATES 05W	5/16	600
ATES 06W	3/8	300
ATES 07W	1/2	200

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



PART NO.	Tube O.D	UNF Thread	Q'ty / Box
AFAUF 047/16VW	1/4	7/16 - 20	400
AFAUF 057/16VW	5/16	7/16 - 20	300
AFAUF 067/16VW	3/8	7/16 - 20	300

**UC-Union Connector**



PART NO.	Tube O.D	Tube O.D	Q'ty / Box
AUC 0101W	5/32	5/32	500
AUC 0303W	3/16	3/16	500
AUC 0404W	1/4	1/4	400
AUC 0501W	5/16	5/32	
AUC 0503W	5/16	3/16	400
AUC 0504W	5/16	1/4	300
AUC 0505W	5/16	5/16	300
AUC 0603W	3/8	3/16	300
AUC 0604W	3/8	1/4	250
AUC 0605W	3/8	5/16	250
AUC 0606W	3/8	3/8	250
AUC 0705W	1/2	5/16	200
AUC 0706W	1/2	3/8	200
AUC 0707W	1/2	1/2	150

**THWD-THree Way Divider**



PART NO.	Tube O.D	Tube O.D	Q'ty / Box
ATHWD 0604W	3/8	1/4	150
ATHWD 0706W	1/2	3/8	50

**TWD-Two Way Divider**



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

**BU-Bulkhead Union**



PART NO.	Tube O.D	Tube O.D	Q'ty / Box
ABU 0101W	5/32	5/32	300
ABU 0303W	3/16	3/16	300
ABU 0404W	1/4	1/4	250
ABU 0406W	1/4	3/8	200
ABU 0505W	5/16	5/16	200
ABU 0604W	3/8	1/4	150
ABU 0606W	3/8	3/8	150
ABU 0707W	1/2	1/2	70

**PL-Plug**



PART NO.	Stem O.D	Q'ty / Box
APL 01W	5/32	1000
APL 03W	3/16	1000
APL 04W	1/4	1000
APL 05W	5/16	700
APL 06W	3/8	500
APL 07W	1/2	400

**CR-Cross**



PART NO.	Tube O.D	Q'ty / Box
ACR 0101W	5/32	300
ACR 0404W	1/4	250
ACR 0505W	5/16	200
ACR 0606W	3/8	120
ACR 0707W	1/2	80

**UB-U Bend**



PART NO.	Tube in	Tube out	Q'ty / Box
AUB 0404W	1/4	1/4	350
AUB 0505W	5/16	5/16	250
AUB 0606W	3/8	3/8	150
AUB 0707W	1/2	1/2	100

# INCH SIZE FITTINGS



## SVA-Stop Valves Adapter



PART NO.	Tube O.D	Thread UNEF	Q'ty / Box
ASVA 0404W	1/4	9/16-24	150
ASVA 0604W	3/8	9/16-24	100

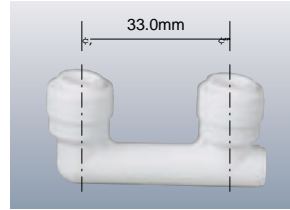
- For undercounter filters System



## FC - Filter Connector



PART NO.	Tube O.D	Tube O.D	Q'ty / Box
AFC 0404	1/4	1/4	300



## KFA - Kitchen Faucet Adapter



PART NO.	Tube O.D	Thread NPSM	Q'ty / Box
AKFA 0407W	1/4	1/2-14	100
AKFA 0607W	3/8	1/2-14	100

- For undercounter filters & RO System



## BMC - Brass Male Connector



PART NO.	Tube in	Thread Metric	Q'ty / Box
BMC 04M10	1/4	M10	500
BMC 06M10	3/8	M10	500

- According to your special order from 5/32" to 1/2" Size in brass items, it is possible for us to produce and supply for you.



## BFA - Brass Female Adapter



PART NO.	Tube O.D	Thread FFL	Q'ty / Box
BFA 0404V	1/4	1/4	400
BFA 0604V	3/8	1/4	300

- Other specifications are available based on order quantity.
- It's available to be electroplated with nickel-chromium.
- FFL 1/4 UNF Thread V-Type



## MCHV - Mini Check Valve



PART NO.	Tube in	Thread NPTF	Q'ty / Box
AMCHV 0402	1/4	1/8	500

In Let



## FAN - Female Adapter NH Thread



PART NO.	Tube in	Thread NH	Q'ty / Box
AFAN 0409	1/4	3/4	100
AFAN 0609	3/8	3/4	100

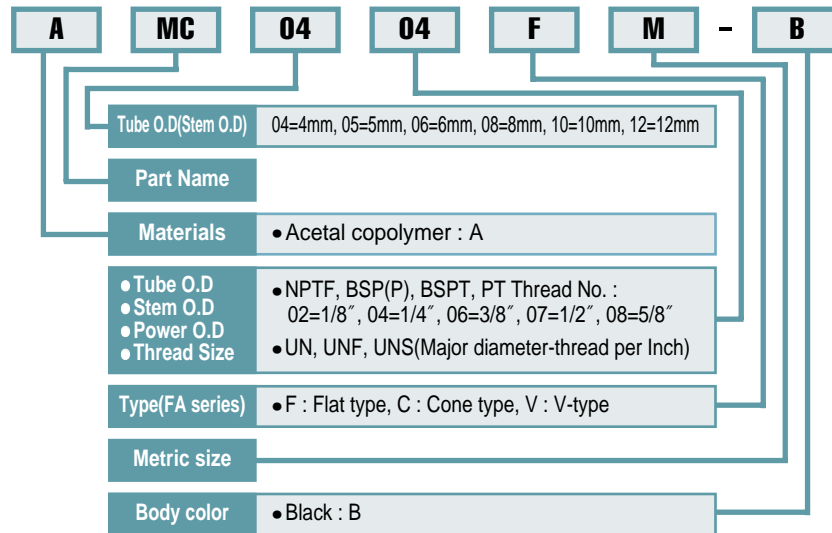
# METRIC SIZE FITTINGS



## ■ Features

- **Available for food :** *DMfit*® is made of non-toxic, harmless materials that are approved by FDA, NSF-51, and SK Zert. *DMfit* products are used as part of the water purifications, water, foods and beverage systems.
- **Workability :** *DMfit*® is available in a quicker, more convenient and safer manner. This ISO9001 acknowledged system offers and maintains a very high quality standard. Defects are easily detectable and maintenance is easy with its easy dismantling for access.
- **Design :** The unique Collets design, based on the practicalism, is being applauded by the many customers from all over the world.
- **Application:** It can be readily used for inert gas, liquids and vacuum. It is proper for plastic and is repeatedly reusable. Also, as we offer various sizes for each model, the products have a broad scope of application.
- **Color:** Black

## Order Information



### MC-Male Connector BSPT(PT) Thread



PART NO.	Tube O.D (mm)	BSPT(PT) Thread	Q'ty / 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	500
AMC 0604M	6	1/4	500
AMC 0606M	6	3/8	400
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	250
AMC 1206M	12	3/8	200
AMC 1207M	12	1/2	200

### EU-Elbow Union



PART NO.	Tube O.D (mm)	Tube O.D (mm)	Q'ty / 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	250
AEU 1005M	10	5	300
AEU 1006M	10	6	300
AEU 1008M	10	8	250
AEU 1010M	10	10	250
AEU 1206M	12	6	150
AEU 1208M	12	8	150
AEU 1210M	12	10	150
AEU 1212M	12	12	150



# METRIC SIZE FITTINGS

## ME-Male Elbow BSPT(PT) Thread



PART NO.	Tube O.D (mm)	BSPT(PT) Thread	Q'ty / 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

## MESB-Male Elbow Swivel BSP(P) Thread



PART NO.	Tube O.D (mm)	BSP(P) Thread	Q'ty / Box
AMESB 0402M	4	1/8	400
AMESB 0404M	4	1/4	300
AMESB 0502M	5	1/8	400
AMESB 0504M	5	1/4	300
AMESB 0602M	6	1/8	300
AMESB 0604M	6	1/4	200
AMESB 0802M	8	1/8	200
AMESB 0804M	8	1/4	150
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

## MCB-Male Connector BSP(P) Thread



PART NO.	Tube O.D (mm)	Tube O.D (mm)	Q'ty / Box
AMCB 0402M	4	1/8	500
AMCB 0404M	4	1/4	500
AMCB 0502M	5	1/8	500
AMCB 0504M	5	1/4	400
AMCB 0602M	6	1/8	500
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 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

## TEU-Tube Elbow Union



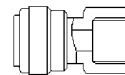
PART NO.	Tube O.D (mm)	Stem O.D (mm)	Q'ty / Box
ATEU 0404M	4	4	800
ATEU 0505M	5	5	600
ATEU 0606M	6	6	500
ATEU 0610M	6	10	400
ATEU 0808M	8	8	400
ATEU 0810M	8	10	350
ATEU 1010M	10	10	250
ATEU 1212M	12	12	200

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



PART NO.	Tube O.D (mm)	Tube O.D (mm)	Q'ty / 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
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

## FA-Female Adapter BSPT(PT) Thread



PART NO.	Tube O.D (mm)	BSPT(PT) Thread	Q'ty / 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

## RD-Reducer



PART NO.	Tube O.D (mm)	Stem O.D (mm)	Q'ty / Box
ARD 0405M	4	5	800
ARD 0406M	4	6	800
ARD 0408M	4	8	700
ARD 0506M	5	6	700
ARD 0508M	5	8	700
ARD 0608M	6	8	700
ARD 0610M	6	10	500
ARD 0810M	8	10	400
ARD 0812M	8	12	300
ARD 1012M	10	12	300

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

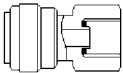


PART NO.	Tube O.D (mm)	UN Thread	Q'ty / Box
AFAUN 101/2VM	10	1/2 - 16	300
AFAUN 121/2VM	12	1/2 - 16	250

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



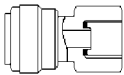
PART NO.	Tube O.D (mm)	UNF Thread	Q'ty / Box
AFAUF 067/16CM	6	7/16 - 20	400
AFAUF 087/16CM	8	7/16 - 20	300
AFAUF 107/16CM	10	7/16 - 20	300



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



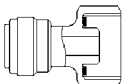
PART NO.	Tube O.D (mm)	UNS Thread	Q'ty / Box
AFAU 067/16CM	6	7/16 - 24	400
AFAU 087/16CM	8	7/16 - 24	300
AFAU 107/16CM	10	7/16 - 24	200



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



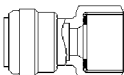
PART NO.	Tube O.D (mm)	BSP(P) Thread	Q'ty / Box
AFAB 0606CM	6	3/8	300
AFAB 0607CM	6	1/2	200
AFAB 0806CM	8	3/8	200
AFAB 0807CM	8	1/2	200
AFAB 1006CM	10	3/8	200
AFAB 1007CM	10	1/2	200
AFAB 1008CM	10	5/8	150



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



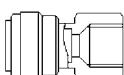
PART NO.	Tube O.D(mm)	BSP(P) Thread	Q'ty / Box
AFAB 1008FM	10	5/8	150
AFAB 1206FM	12	3/8	200
AFAB 1207FM	12	1/2	150



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



PART NO.	Tube O.D (mm)	UNF Thread	Q'ty / Box
AFAUF 067/16VM	6	7/16 - 20	400
AFAUF 087/16VM	8	7/16 - 20	300
AFAUF 107/16VM	10	7/16 - 20	300



**MRSB-Male Run Swivel** BSP(P) Thread



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

**MRS-Male Run Swivel** BSPT(PT) Thread



PART NO.	Tube O.D (mm)	BSPT(PT) Thread	Q'ty / 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

**MTSB-Male Tee Swivel** BSP(P) Thread



PART NO.	Tube O.D (mm)	BSP(P) Thread	Q'ty / 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

**OC-Offset Connector**



PART NO.	Tube O.D(mm)	Tube O.D(mm)	Q'ty / Box
AOC 1006M	10	6	400
AOC 1208M	12	8	300

# METRIC SIZE FITTINGS

## MTS-Male Tee Swivel BSPT(PT) Thread



PART NO.	Tube O.D (mm)	BSPT(PT) Thread	Q'ty / 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

## SAB-Stem Adapter BSP(P) Thread



PART NO.	Stem O.D (mm)	BSP(P) Thread	Q'ty / 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	300
ASAB 1004M	10	1/4	400
ASAB 1006M	10	3/8	250
ASAB 1007M	10	1/2	150
ASAB 1206M	12	3/8	150
ASAB 1207M	12	1/2	150

## SA-Stem Adapter BSPT(PT) Thread



PART NO.	Stem O.D (mm)	BSPT(PT) Thread	Q'ty / 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 0606M	6	3/8	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

## BU-Bulkhead Union



PART NO.	Tube O.D (mm)	Tube O.D (mm)	Q'ty / Box
ABU 0404M	4	4	300
ABU 0505M	5	5	300
ABU 0606M	6	6	250
ABU 0610M	6	10	200
ABU 0808M	8	8	200
ABU 1006M	10	6	150
ABU 1010M	10	10	150
ABU 1212M	12	12	70

## CR-Cross



PART NO.	Tube O.D(mm)	Q'ty / 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)	Q'ty / Box
ATHWD 1006M	10	6	150
ATHWD 1210M	12	10	50

## TU-Tee Union



PART NO.	Tube O.D RUN(mm)	Tube O.D Stem(mm)	Q'ty / Box
ATU 0404M	4	4	350
ATU 0505M	5	5	350
ATU 0606M	6	6	350
ATU 0808M	8	8	250
ATU 1006M	10	6	150
ATU 1010M	10	10	150
ATU 1210M	12	10	100
ATU 1212M	12	12	100

## UB-U Bend



PART NO.	Tube O.D (mm)	Tube O.D (mm)	Q'ty / Box
AUB 0606M	6	6	350
AUB 0808M	8	8	250
AUB 1010M	10	10	150
AUB 1212M	12	12	100

**UC-Union Connector**



PART NO.	Tube O.D (mm)	Tube O.D (mm)	Q'ty / 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	400
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	200
AUC 1212M	12	12	150

**TES-Tube End Stop**



PART NO.	Tube O.D (mm)	Q'ty / Box
ATES 06M	6	800
ATES 08M	8	600
ATES 10M	10	300
ATES 12M	12	200

**PL-Plug**



PART NO.	Stem O.D (mm)	Q'ty / 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

**TWD-Two Way Divider**



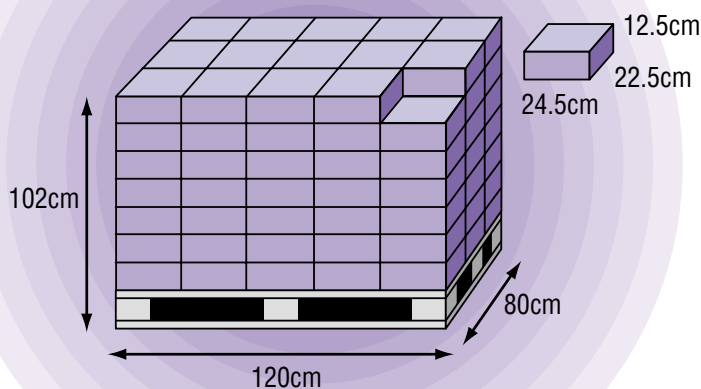
PART NO.	Tube in (mm)	Tube out (mm)	Q'ty / Box
ATWD 0404M	4	4	400
ATWD 0606M	6	6	300
ATWD 0808M	8	8	200
ATWD 1008M	10	8	150
ATWD 1010M	10	10	150
ATWD 1012M	10	12	100
ATWD 1212M	12	12	100

**TBC-Tube Barb Connector**



PART NO.	Stem O.D (mm)	Tube I.D (mm)	Q'ty / Box
ATBC 0604M	6	4	2000
ATBC 0806M	8	6	700
ATBC 1008M	10	8	500

**PACKAGING - PALLET AND BOX SIZES**



*Special design*



- The oval shape at the handle offers a good grip and easy connecting and disconnecting.
- The rounded stainless teeth minimize the scratch on the reused tube, offering a good connection.

# POLYPROPYLENE FITTINGS [Inch/Metric Size]



## ■ Features

- **Workability :** *DMfit*® is available in a quicker, more convenient and safer manner. This ISO9001 acknowledged system offers and maintains a very high quality standard. Defects are easily detectable and maintenance is easy with its easy dismantling for access.
- **Design :** The unique Collets design, based on the practicalism, is being applauded by the many customers from all over the world.
- **Application :** It can be readily used for inert gas, liquids and vacuum. It is proper for plastic and is repeatedly reusable. Also, as we offer various sizes for each model, the products have a broad scope of application.
- **Color :**  
Inch Size - White  
Metric Size - Black

### MC-Male Connector NPTF Thread

PART NO.	Tube O.D	NPTF Thread	Q'ty / Box
PMC 0402	1/4	1/8	500
PMC 0404	1/4	1/4	500
PMC 0604	3/8	1/4	300
PMC 0606	3/8	3/8	300

### ME-Male Elbow NPTF Thread

PART NO.	Tube O.D	NPTF Thread	Q'ty / Box
PME 0402	1/4	1/8	500
PME 0404	1/4	1/4	400
PME 0406	1/4	3/8	400
PME 0604	3/8	1/4	250
PME 0606	3/8	3/8	250

### TU-Tee Union

PART NO.	Tube O.D	Tube O.D	Q'ty / Box
PTU 0404	1/4	1/4	350
PTU 0606	3/8	3/8	150
PTU 0707	1/2	1/2	100

### TEU-Tube Elbow Union

PART NO.	Tube O.D	Stem O.D	Q'ty / Box
PTEU 0404	1/4	1/4	500
PTEU 0505	3/8	3/8	400
PTEU 0606	3/8	3/8	250
PTEU 0707	1/2	1/2	200

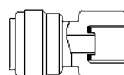
### FA-Female Adapter NPTF Thread

PART NO.	Tube O.D	NPTF Thread	Q'ty / Box
PFA 0402	1/4	1/8	500
PFA 0404	1/4	1/4	400
PFA 0602	3/8	1/8	300
PFA 0604	3/8	1/4	300



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

PART NO.	Tube O.D	NPTF Thread	Q'ty / Box
PFAU 047/16C	1/4	7/16-24	400
PFAU 067/16C	3/8	7/16-24	200



### EU-Elbow Union

PART NO.	Tube O.D	Tube O.D	Q'ty / Box
PEU 0404	1/4	1/4	400
PEU 0606	3/8	3/8	250
PEU 0707	1/2	1/2	150

### UC-Union Connector

PART NO.	Tube O.D	Tube O.D	Q'ty / Box
PUC 0404	1/4	1/4	400
PUC 0505	3/8	3/8	300
PUC 0606	3/8	3/8	250
PUC 0707	1/2	1/2	150

### RD-Reducer

PART NO.	Tube O.D	Stem O.D	Q'ty / Box
PRD 0406	1/4	3/8	500
PRD 0607	3/8	1/2	300

### SA-Stem Adapter NPTF Thread

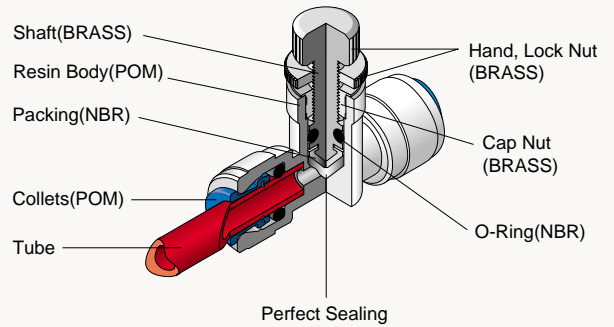
PART NO.	Stem O.D	NPTF Thread	Q'ty / Box
PSA 0402	1/4	1/8	500
PSA 0404	1/4	1/4	500
PSA 0504	5/16	1/4	500
PSA 0506	5/16	3/8	300
PSA 0604	3/8	1/4	400
PSA 0606	3/8	3/8	300
PSA 0706	1/2	3/8	250
PSA 0707	1/2	1/2	150

## Control valves

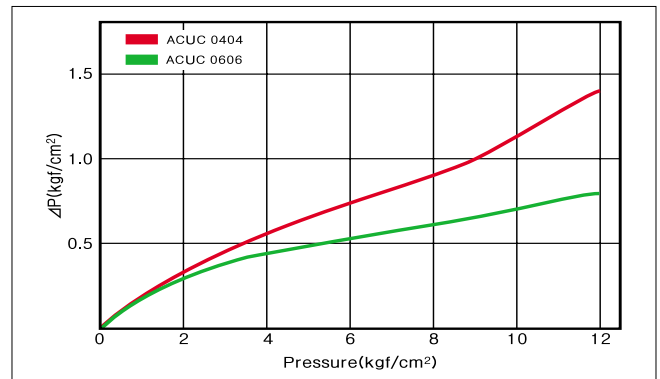
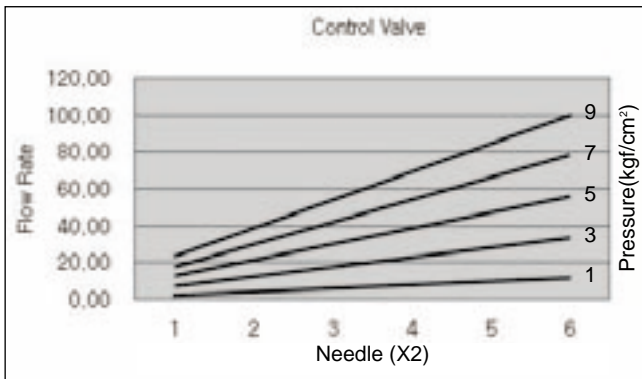
### ■ Features

- High durable and resistant to pressure.
- If chemical liquids are to be used, except water, foods and beverage, be careful and selective in using the valve.  
For such liquids, refer to the Chemical Property or consult us.
- Do not apply strong vibration, rotation, body pulling, twisting, other loads to the fittings. The valve body may be damaged or collects may be dislocated.
- Working Pressures & Temperatures : 10kgf/cm<sup>2</sup>  
(Water temperature is normal temperature)
- Color : Inch Size - White  
Metric Size - Black

### ■ Construction



### ■ Flow Rate Per Rotation



※ The above data may be changed depending on the time and temperature variations.

#### CUC-Control valve Union Connector



PART NO.	Tube O.D	Tube O.D	Q'ty / Box
ACUC 0404	1/4	1/4	250
ACUC 0606	3/8	3/8	150
PART NO.	Tube O.D (mm)	Tube O.D (mm)	Q'ty / Box
ACUC 0606M	6	6	200
ACUC 1010M	10	10	150

#### CFA-Control valve Female Adapter



PART NO.	Tube O.D	NPTF Thread	Q'ty / Box
ACFA 0404	1/4	1/4	250
ACFA 0606	3/8	3/8	150
PART NO.	Tube O.D (mm)	BSPT(PT) Thread	Q'ty / Box
ACFA 0604M	6	1/4	200
ACFA 1006M	10	3/8	150

#### CEU-Control valve Elbow Union



PART NO.	Tube O.D	Tube O.D	Q'ty / Box
ACEU 0404	1/4	1/4	250
ACEU 0606	3/8	3/8	150
PART NO.	Tube O.D (mm)	Tube O.D (mm)	Q'ty / Box
ACEU 0606M	6	6	250
ACEU 1010M	10	10	150

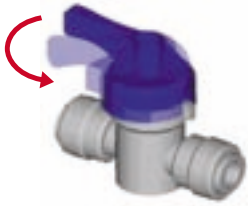
#### CMC-Control valve Male Connector



PART NO.	Tube O.D	NPTF Thread	Q'ty / Box
ACMC 0404	1/4	1/4	250
ACMC 0606	3/8	3/8	150
PART NO.	Tube O.D (mm)	BSPT(PT) Thread	Q'ty / Box
ACMC 0604M	6	1/4	250
ACMC 1006M	10	3/8	150

## Hand valves

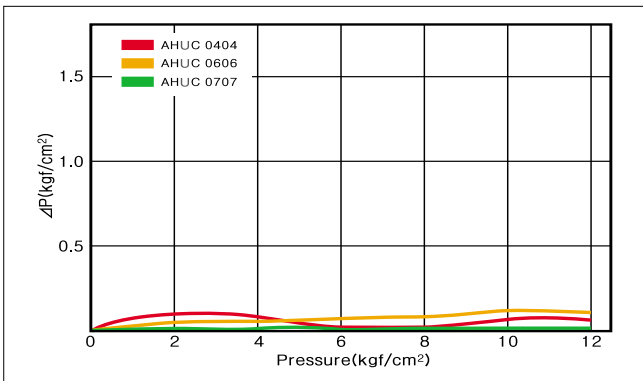
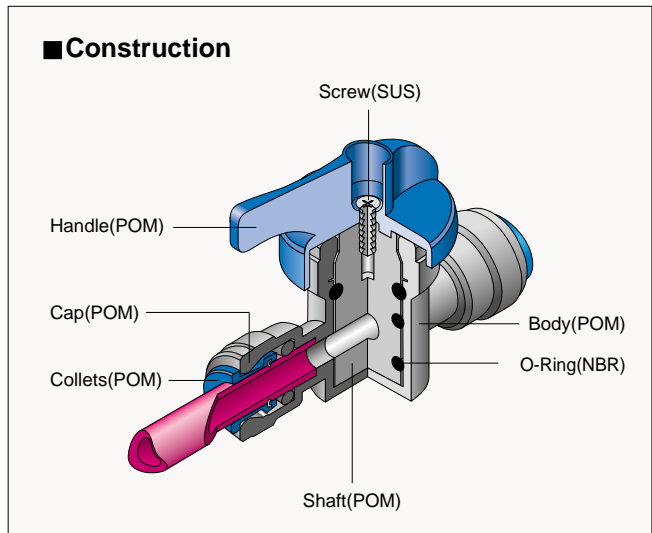
### ■ Features



- If chemical liquids are to be used, except water, foods and beverage, be careful and selective in using this valve. For such liquids, refer to the Chemical Property or consult us.
- Do not apply strong vibration, rotation, body pulling, twisting, bending, shock and other loads to the fittings. The valve body may be

damaged or collets may be dislocated.

- Opening and closing operations are easy.
- Partial flow control is possible (high, medium, low).
- Its design emphasizes stable look.
- Working Pressures & Temperatures : 10kgf/cm<sup>2</sup> (Water temperature is normal temperature)
- Color : Inch Size - white  
Metric Size - Black
- Max. Handle Torque : 0.2 N · M



### HUC-Hand valve Union Connector



PART NO.	Tube O.D	Tube O.D	Q'ty / Box
AHUC 0404	1/4	1/4	150
AHUC 0606	3/8	3/8	100
AHUC 0707	1/2	1/2	70
PART NO.	Tube O.D (mm)	Tube O.D (mm)	Q'ty / Box
AHUC 0604M	6	6	150
AHUC 1006M	10	10	100
AHUC 1207M	12	12	70

### HMC-Hand valve Male Connector



PART NO.	Tube O.D	NPTF Thread	Q'ty / Box
AHMC 0404	1/4	1/4	150
AHMC 0606	3/8	3/8	100
AHMC 0707	1/2	1/2	70
PART NO.	Tube O.D	BSPT(PT) Thread	Q'ty / Box
AHMC 0604M	6	1/4	150
AHMC 1006M	10	3/8	100
AHMC 1207M	12	1/2	70

### HFA-Hand valve Female Adapter



PART NO.	Tube O.D	NPTF Thread	Q'ty / Box
AHFA 0404	1/4	1/4	150
AHFA 0606	3/8	3/8	100
AHFA 0707	1/2	1/2	70
PART NO.	Tube O.D (mm)	BSPT(PT) Thread	Q'ty / Box
AHFA 0604M	6	1/4	150
AHFA 1006M	10	3/8	100
AHFA 1207M	12	1/2	70

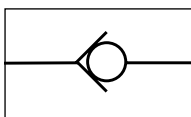
## Check valves



### ■ Features

- If chemical liquids are to be used, except water, foods and beverage, be careful and selective in using the valve. For such liquids, refer to the Chemical Property or consult us.
- Do not apply strong vibration, rotation, body pulling, twisting, bending, shock and other loads to the fittings. The valve body may be damaged or collets may be dislocated.
- This valve is to prevent the reverse flow.
- Like other fittings, its size has been minimized.
- Pressure range : Possible to use between 0.1Kgf/cm<sup>2</sup> and 10Kgf/cm<sup>2</sup> (Water temperature is normal temperature).
- Color : Inch Size - White  
Metric Size - Black

### Check Valve Sign



### CHV-Check valve



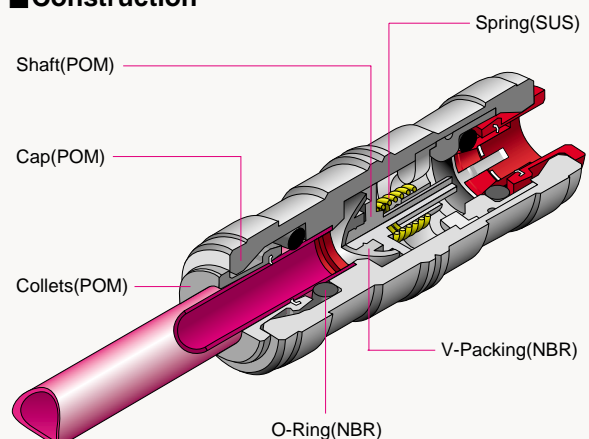
PART NO.	Outlet Tube O.D	Inlet Tube O.D	Q'ty / Box
ACHV 0404	1/4	1/4	250
ACHV 0405	1/4	5/16	200
ACHV 0505	5/16	5/16	200
ACHV 0606	3/8	3/8	200
ACHV 0707	1/2	1/2	150

### ■ Operating of Valve · Max Pressure(Temp. : 20℃)

SIZE	Pressure Range	Max Pressure
1/4" (6mm)	0.1 ~ 12kgf/cm <sup>2</sup>	10kgf/cm <sup>2</sup>
5/16" (8mm)	0.1 ~ 12kgf/cm <sup>2</sup>	10kgf/cm <sup>2</sup>
3/8" (10mm)	0.1 ~ 12kgf/cm <sup>2</sup>	10kgf/cm <sup>2</sup>
1/2" (12mm)	0.1 ~ 12kgf/cm <sup>2</sup>	10kgf/cm <sup>2</sup>



### ■ Construction



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

# ACCESSORIES



## TS - Tube Support

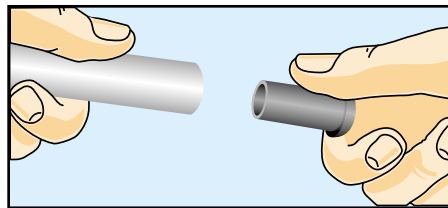


(단위:Inch)

Parts No.	Tube O.D
BTS 01	5/32
BTS 03	3/16
BTS 04	1/4
BTS 05	5/16
BTS 06	3/8
BTS 07	1/2

(단위:mm)

Parts No.	Tube O.D
BTS 04M	4
BTS 06M	6
BTS 08M	8
BTS 10M	10
BTS 12M	12



- Tube support keep plastic pipe stable, which protect potential leakage or disconnection under higher temperature.

## LC-Locking Clip



(단위:Inch)

PART NO.	Tube O.D	Q'ty / Box
ALC 04	1/4	10000
ALC 05	5/16	8000
ALC 06	3/8	7000
ALC 07	1/2	5000

(단위:mm)

PART NO.	Tube O.D	Q'ty / Box
ALC 06M	6	10000
ALC 08M	8	8000
ALC 10M	10	7000
ALC 12M	12	5000



- It ensures a firmer and more secure tightening.
- With its protrusion, attaching and detaching the clip are easy.
- As various colors are available, different colors may be designated for different purposes.

## FBC-Flow Bend Clip



(단위:Inch)

PART NO.	Tube O.D	Q'ty / Box
AFBC 05	5/16	300
AFBC 06	3/8	200

(단위:mm)

PART NO.	Tube O.D	Q'ty / Box
AFBC 08M	8	300
AFBC 10M	10	200

It holds the tube in place, preventing its separation and aligning it properly. When the tube should be bent, it maintains a smooth tube curve. Combined with bolts, FBCs may be fixed in, or on the wall of, a product.

## TC-Tube Cutter



PART NO.	Tube O.D
TC	MAX. DIA 1/2" or 13mm

- **DMfit**® tube Cutter with quality blade is suitable for size up to 13mm plastic tubing.



## SP - Spanner

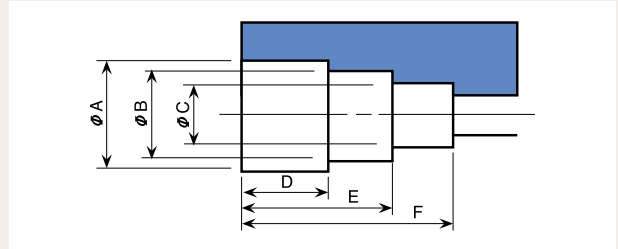


PART NO.	Tube O.D
SP	3/16, 1/4, 5/16, 3/8, 1/2

- Convenient for separating various collets and tubes.

## Half cartridges

- **DMfit** cartridges are manufactured with various brass and stainless metals and acetal resin. They are necessary parts for tubing connection of metal bodies, pumps and other objects. They are simple and economic. Tubing connection is possible with simple steps.
- Refer to the drawing below and check the standards. Force the metal and acetal cartridge into the desired object. Then insert the o-ring and collets.
- When combining with plastic, call and check with the company.



### Inch One 'O' Ring

(Unit : Inch)

Size (Inch)	$\phi A \pm 0.002''$	$\phi B \pm 0.002''$	$\phi C \pm 0.002''$	$D + 0.017' - 0$	$E \pm 0.006''$	$F \pm 0.006''$
5/32	0.490	0.317	0.161	0.181	0.370	0.502
3/16	0.470	0.344	0.197	0.181	0.370	0.502
1/4	0.530	0.421	0.254	0.181	0.373	0.545
5/16	0.542	0.465	0.323	0.213	0.413	0.615
3/8	0.630	0.563	0.378	0.268	0.472	0.719
1/2	0.775	0.661	0.508	0.303	0.525	0.827

### Metric One 'O' Ring

(Unit : mm)

Size (mm)	$\phi A \pm 0.05$	$\phi B \pm 0.05$	$\phi C \pm 0.05$	$D +0.25 -0$	$E \pm 0.15$	$F \pm 0.15$
4	12.44	8.05	4.10	4.59	9.39	12.75
5	11.93	8.73	5.10	4.59	9.39	12.75
6	13.46	10.69	6.10	4.59	9.47	13.84
8	13.76	11.81	8.10	5.41	10.50	15.63
10	16.00	14.30	10.10	6.80	11.98	18.27
12	19.68	16.78	12.10	7.69	13.33	21.00

### Inch Two 'O' Ring

(Unit : Inch)

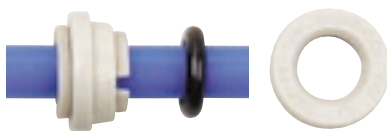
Size (Inch)	$\phi A \pm 0.002''$	$\phi B \pm 0.002''$	$\phi C \pm 0.002''$	$D + 0.017' - 0$	$E \pm 0.006''$	$F \pm 0.006''$
5/32	0.490	0.317	0.161	0.181	0.462	0.594
3/16	0.470	0.344	0.197	0.181	0.462	0.594
1/4	0.530	0.421	0.254	0.181	0.477	0.653
5/16	0.542	0.465	0.323	0.213	0.508	0.709
3/8	0.630	0.563	0.378	0.268	0.574	0.822
1/2	0.775	0.661	0.508	0.303	0.629	0.945

### Metric Two 'O' Ring

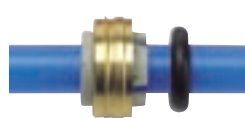
(Unit : mm)

Size (mm)	$\phi A \pm 0.05$	$\phi B \pm 0.05$	$\phi C \pm 0.05$	$D +0.25 -0$	$E \pm 0.15$	$F \pm 0.15$
4	12.44	8.05	4.10	4.59	11.73	15.08
5	11.93	8.73	5.10	4.59	11.73	15.08
6	13.46	10.69	6.10	4.59	12.22	16.59
8	13.76	11.81	8.10	5.41	12.90	18.00
10	16.00	14.30	10.10	6.80	14.28	20.87
12	19.68	16.78	12.10	7.69	16.27	24.00

## AC-Acetal Cartridge



## BC-Brass Cartridge



## SC-Stainless Steel Cartridge



Inch size	PART NO.	Tube O.D	Q'ty / Box
ACETAL CARTRIDGE O-RING NBR	AC 01	5/32	2000
	AC 03	3/16	2000
	AC 04	1/4	1000
	AC 05	5/16	800
	AC 06	3/8	500
	AC 07	1/2	500

Inch size	PART NO.	Tube O.D	Q'ty / Box
BRASS CARTRIDGE O-RING NBR	BC 01	5/32	2000
	BC 03	3/16	2000
	BC 04	1/4	1000
	BC 05	5/16	1000
	BC 06	3/8	700
	BC 07	1/2	500

Inch size	PART NO.	Tube O.D	Q'ty / Box
STAINLESS STEEL CARTRIDGE O-RING NBR	SC 01	5/32	2000
	SC 03	3/16	2000
	SC 04	1/4	1000
	SC 05	5/16	1000
	SC 06	3/8	700
	SC 07	1/2	500

Metric size	PART NO.	Tube O.D (mm)	Q'ty / Box
ACETAL CARTRIDGE O-RING NBR	AC 04M	4	2000
	AC 05M	5	2000
	AC 06M	6	1000
	AC 08M	8	800
	AC 10M	10	500
	AC 12M	12	500

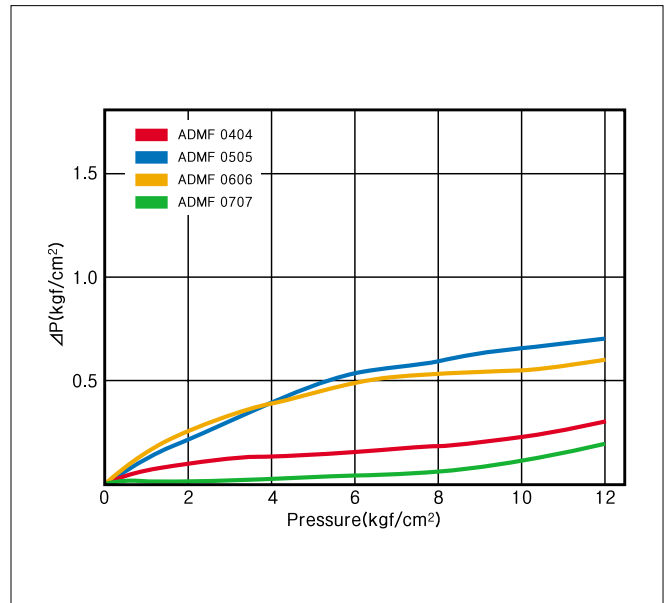
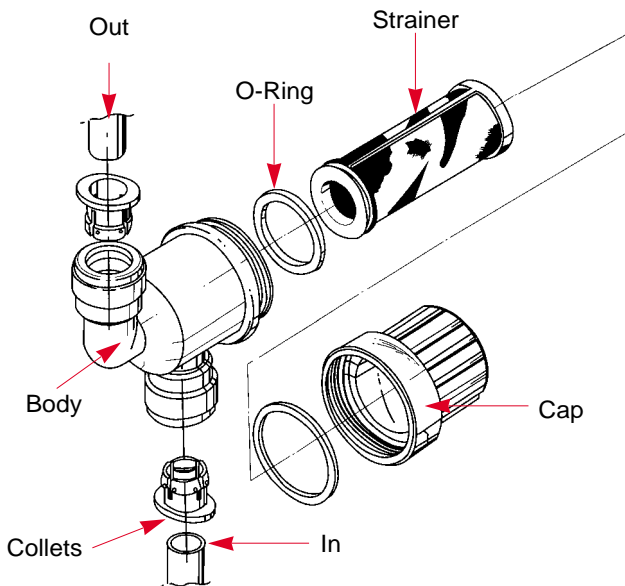
Metric size	PART NO.	Tube O.D (mm)	Q'ty / Box
BRASS CARTRIDGE O-RING NBR	BC 04M	4	2000
	BC 05M	5	1000
	BC 06M	6	1000
	BC 08M	8	1000
	BC 10M	10	700
	BC 12M	12	500

Metric size	PART NO.	Tube O.D (mm)	Q'ty / Box
STAINLESS STEEL CARTRIDGE O-RING NBR	SC 04M	4	2000
	SC 05M	5	1000
	SC 06M	6	1000
	SC 08M	8	1000
	SC 10M	10	700
	SC 12M	12	500



## ■ Features

- With superb durability and purifying power, *DMfit*® enables a water purifier system which offers purest water.
- As *DMfit*® is applied to the tube connection, it is compatible with tubes from other manufacturers.
- Color may be chosen from among gray, white and black.
- For the purpose of cleaning, the cover is separable from the body.
- If chemical liquids are to be used, except water, food and beverage, be careful and selective in using this valve. For such liquids, refer to the Chemical Property or consult us.
- Do not apply strong vibration, rotation, body pulling, twisting, bending, shock and other loads to the filter. The filter body may be damaged or collets may be dislocated.



## ■ Maximum Pressures and Temperatures

Standards	1/4"	5/16"	3/8"	1/2"
	6mm	8mm	10mm	12mm
Water pressure	170psi			
Temperature	-20°F (-29°C) ~ +185°F (85°C)			

※ The above data is based on the use of DM filter at room temperature.  
 ※ If the filter is to be used at other temperatures or pressures, consult us.

## ■ Filter Materials and Types

Mesh types	100 Mesh	150 Mesh	200 Mesh
Materials	SUS304		

※ Currently, filters are made with 100 mesh.  
 ※ 150 and 200 meshes are optional.

## ■ Inch Size

PART NO.	IN	OUT	Q'ty / Box
ADMF 0404	1/4	1/4	50
ADMF 0505	5/16	5/16	50
ADMF 0606	3/8	3/8	50
ADMF 0707	1/2	1/2	40

## ■ Inch Size

PART NO.	IN(mm)	OUT(mm)	Q'ty / Box
ADMF 0606M	6	6	50
ADMF 0808M	8	8	50
ADMF 1010M	10	10	50
ADMF 1212M	12	12	40



DM linear low density polyethylene's greatest advantages over low density polyethylene is its superior environmental stress crack resistance (ESCR) greatly exceeds 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 connection to barb type fittings, or high vibration connections with compression fittings. DM tubing is compliant to NSF 51 and FDA requirements for food contact applications. DM tubing is available in black as well as eight coding colors.

- Dimensional stability
- Uniformity and long-term strength.
- Higher burst pressure
- Greater tensile strength
- Various colors by same price
- Various colors shown in the table make a better choice for applications
- Suitable for other fittings as well as **DMfit®**

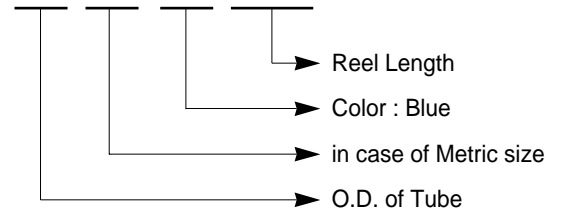
### ■ Max. Pressure and Temperature

Standards	5/32"	3/16"	1/4"	5/16"	3/8"	1/2"
	4mm	5mm	6mm	8mm	10mm	12mm
Wat	230 psi			170 psi		
Tube Tolerances	+0.05mm / -0.05mm					
Temperature	-20°F (-29°C) ~ +150°F (66°C)					

※ The above data is based on PE tube that is used with **DMfit®** at room temperature.  
 ※ If the tube is to be used at other temperatures or pressures than above, consult us.

### ■ Order Information

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



### ■ Colors Available

Suffix	Color	5/32"	3/16"	1/4"	5/16"	3/8"	1/2"	4mm	5mm	6mm	8mm	10mm	12mm
B	Blue	○	○	○	○	○	○	○	○	○	○	○	○
O	Orange	○	○	○	○	○	○	○	○	○	○	○	○
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 size up to 13mm plastic tubing.



### ■ Inch Size

Part No.	OD In.	ID In.	Wall	Reel Length ft.
DPE 01	5/32"	0.094	0.031	500
				1000
				1500
DPE 03	3/16"	0.125	0.031	500
				1000
DPE 04	1/4"	0.170	0.04	500
				1000
DPE 05	5/16"	0.187	0.062	500
DPE 06	3/8"	1/4"	0.062	500
DPE 07	1/2"	3/8"	0.062	250

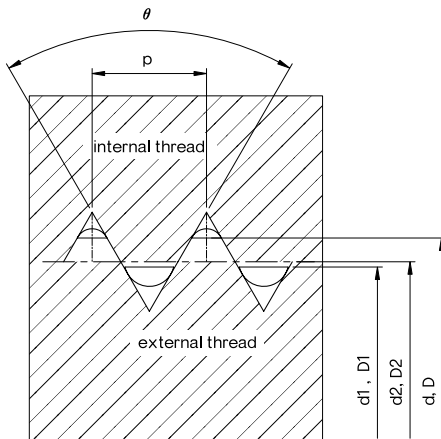
### ■ Metric Size

Part No.	OD (mm)	ID (mm)	Wall(mm)	Reel Length(Meter)
DPE 04M	4	2.5	0.75	500
DPE 05M	5	3.5	0.75	400
DPE 06M	6	4	1	150, 300
DPE 08M	8	6	1	200
DPE 10M	10	7	1.5	150
DPE 12M	12	9	1.5	100

# PARALLEL THREAD

(METRIC SIZE)

- BSPP(PF) : British Standard Pipe Parallel Thread
- UNF : Unified National Fine Thread
- UNS : Unified National Special Thread
- UN : Unified National Thread
- UNEF : Unified National Extra Fine
- NPSM : National Pipe Straight Mechanical Thread
- NH : National Hose coupling Thread

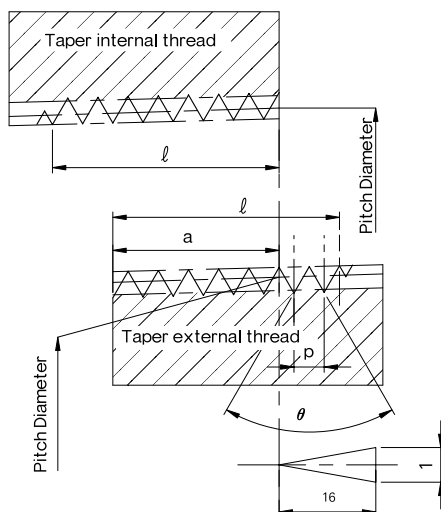


Nominal Size	Angle ( $\theta$ )	Pitch of Thread ( $p$ )	Female		
			Major Diam. (D)	Pitch Diam. (D2)	Minor Diam. (D1)
			Male		
			Major Diam. (d)	Pitch Diam. (d2)	Minor Diam. (d1)
1/8-28 BSPP(PF)	55	0.907	9.728	9.147	8.566
1/4-19 BSPP(PF)		1.337	13.157	12.301	11.445
3/8-19 BSPP(PF)		1.337	16.662	15.806	14.950
1/2-14 BSPP(PF)		1.814	20.955	19.793	18.631
5/8-14 BSPP(PF)		1.814	22.911	21.749	20.587
3/4-14 BSPP(PF)		1.814	26.411	25.279	24.117
7/16-20 UNF	60	1.270	11.112	10.287	9.738
7/16-24 UNS	60	1.058	11.113	10.549	10.211
			11.085	10.396	9.825
1/2-16 UN	60	1.588	12.700	11.824	11.328
			12.664	11.633	10.772
9/16-24 UNEF	60	1.058	14.288	13.729	13.386
			14.257	13.569	12.997
1/2-14 NPSM	60	1.814	20.904	19.942	19.279
			20.904	19.733	19.279
0.75-11.5 NH	60	2.209	27.242	26.022	24.803
			26.988	25.552	24.117

# TAPER THREAD

(METRIC SIZE)

- NPTF : National Pipe Taper Fuel Thread
- BSPT(PT) : British Standard Pipe Taper Thread (Pipe Taper Thread)



Nominal Size	Angle ( $\theta$ )	Pitch of Thread ( $p$ )	Pitch Diam.	Effective Thread External ( $l$ )	Nominal Complete External Threads ( $a$ )
1/8-27 NPTF	60	0.941	9.489	6.924	4.102
1/4-18 NPTF		1.411	12.487	10.020	5.786
3/8-18 NPTF		1.411	15.926	10.330	6.096
1/2-14 NPTF		1.814	19.772	13.571	8.128
3/4-14 NPTF		1.814	25.117	14.504	8.611
1/8-28 BSPT(PT)	55	0.907	9.147	8.000	3.970
1/4-19 BSPT(PT)		1.337	12.301	11.000	6.010
3/8-19 BSPT(PT)		1.337	15.806	12.000	6.350
1/2-14 BSPT(PT)		1.814	19.793	15.000	8.160
3/4-14 BSPT(PT)		1.814	25.279	17.000	9.530

# CHEMICAL CHARACTERISTICS

DMfit® has excellent resistance with regard to organic drugs, oil and fat products and synthetic detergents(refer to table).

## ■ Resistance of chemical characteristics for Resins & Rubbers.

Description (% , °C)	Brass	SUS 304	Resin			Rubber	
			Acetal	PBT	PP	NBR	EPDM
Caustic soda(10%,20°C)	△	△	◎	△	○	○	◎
Gasoline	○	○	◎	◎	△	◎	×
Formic acid(25%,20°C)	×	△	×	○	◎	○	◎
Air	◎	◎	◎	◎	◎	◎	◎
Mineral oil	○	○	◎	◎	◎	◎	×
Grease	○	◎	◎	◎	△	◎	×
Sodium silicate	○	-	◎	○	◎	◎	◎
Glycerin	○	◎	◎	◎	◎	◎	◎
Naphtha	△	○	◎	○	△	△	×
Aminal oil(Lard oil)	○	-	◎	◎	○	◎	○
Kerosene	◎	◎	◎	◎	◎	◎	×
Methane	○	-	◎	◎	◎	◎	×
Methyl alcohol(Methanol)	◎	△	○	○	◎	◎	◎
Water(24°C)	○	○	◎	○	◎	◎	◎
Water(100°C)	×	○	△	×	△	-	-
Sea water	△	○	◎	○	◎	-	-
Bunker oil	△	-	-	-	○	◎	-
Benzene(Benzol)	×	△	○	○	△	×	×
Butane	◎	◎	◎	◎	◎	◎	×
Fluorine	×	×	×	-	×	-	△
Boric acid	○	○	○	○	◎	◎	◎
Carbon tetrachloride	△	△	○	○	△	△	×
Oxygen	◎	◎	○	○	○	○	◎
Petroleum	-	-	○	○	×	◎	×
Salt water	×	△	△	◎	○	-	-
Soda ash(Sodium carbonate)	○	△	◎	○	◎	◎	◎
Calcium hydroxide	△	△	◎	×	○	◎	◎
Hydrogen	△	◎	◎	◎	◎	◎	◎
Mercury	×	-	-	-	◎	◎	◎
Steam(150°C)	○	-	△	△	×	×	◎
sodium cyanide	×	-				◎	◎
Vegetable oil	-	-	○	○	○	◎	◎
Salt water	△	△	◎	○	◎	-	-
Silicone greases	-	-	◎	◎	△	◎	◎
Silicone oil	-	-	◎	◎	△	◎	◎
Acetone	◎	△	○	○	△	×	◎
Sulfurous acid gas	-	-	△	○	○	○	○
Ammonia	△	◎	○	△	○	◎	◎
Liquefied petroleum gas(LPG)	◎	◎	◎	◎	○	◎	×
Ethyl alcohol(Ethanol)	◎	○	◎	◎	○	◎	◎

Description (% , °C)	Brass	SUS 304	Resin			Rubber	
			Acetal	PBT	PP	NBR	EPDM
Lye solution	-	-	◎	○	○	○	◎
Hydrochloric acid(10%,20°C)	×	×	×	○	◎	-	-
Hydrochloric acid(20%,20°C)	×	×	×	△	○	-	-
Hydrochloric acid(20%,80°C)	×	×	×	×	×	×	△
Hydrochloric acid(38%,20°C)	×	×	×	△	○	○	◎
Ammonium chloride	×	△	◎	○	◎	◎	◎
Kalium chloride	△	△	◎	○	◎	◎	◎
Calcium chloride	○	△	◎	○	◎	◎	◎
Ozone	○	○	△	◎	△	○	◎
Olive oil	△	◎	○	◎	○	◎	○
Sulfur	×	○	◎	-	◎	×	◎
Sodium phosphate	×	△	◎	○	◎	◎	◎
Ammonium phosphate	△	△	◎	○	◎	◎	◎
Ammonium nitric	×	○	○	○	◎	◎	◎
Nitrogen	○	◎	◎	○	◎	◎	◎
Natural gas	◎	◎	◎	◎	○	◎	×
Acetic acid(10%,20°C)	×	○	△	○	◎	○	◎
Acetic acid(50%,20°C)	×	○	×	○	○	-	-
Acetic acid(50%,70°C)	×	○	×	△	×	-	-
Acetic acid(100%,20°C)	×	△	×	○	×	-	-
Ketones	○	○	○	○	◎	-	○
Cresol	○	△	△	○	○	△	×
Chromic acid(2%,70°C)	×	×	×	×	△	-	-
Chromic acid(10%,70°C)	×	×	×	×	×	-	-
Chromic acid(25%,70°C)	×	×	×	×	×	-	-
Chromic acid(2%,50°C)	×	×	×	△	△	×	○
Soybean oil	△	○	◎	◎	○	◎	△
Toluene	◎	◎	○	△	△	×	×
Glucose	◎	◎	◎	◎	◎	◎	◎
Propane	◎	◎	◎	◎	◎	◎	×
Castor oil	○	○	○	○	◎	◎	○
Sulfuric acid(10%,20°C)	×	×	×	○	○	×	○
Sulfuric acid(10%,70°C)	×	×	×	×	△	-	-
Sulfuric acid(30%,20°C)	×	×	×	△	○	-	-
Sulfuric acid(30%,70°C)	×	×	×	×	△	-	-
Sulfuric acid(98%,20°C)	×	×	×	×	×	-	-
Aluminium sulfate	×	○	◎	○	◎	◎	◎
Alumonium sulfate	△	△	◎	○	◎	◎	◎
Potassium sulfate	○	△	◎	○	◎	◎	◎
Hydrogen sulfide	△	△	○	○	◎	×	◎

※◎ : Very acceptable ○ : Acceptable △ : Slightly Unacceptable × : Unacceptable - : No data

## ■ Resistance of chemical characteristics for Tube.

Name of chemicals	Polyethylene	Remarks
Air	◎	
Alcohol	◎	
Ammonia gas	◎	
Ammonia liquid	○	high temperature△
Beer	◎	
Benzine	△	
Bromine liquid	×	
Carbon dioxide gas	○	
Caustic soda	○	
Desel fuel	△	
Ethyl alcohol	○	high temperature△
Fluor gas, dry	×	
Fuel Oil	△	

Name of chemicals	Polyethylene	Remarks
Hexane	△	
Hydragen gas	◎	
Lighting gas	△	
Mercury	◎	
Methanol (Methyl Alcohol)	◎	
Milk	◎	
Molasses	◎	
Nickel Salls	◎	
Oils Essential	△	
Propane gas	△	
Spindle Oil	△	
Water Pure	◎	

※ ◎:Very acceptable, ○:Acceptable, △:Slightly unacceptable, ×:Very unacceptable  
 ※ Differences in data can exist due to changes in time and temperature(Using temperature in normal temperature.)  
 ※ Check with the company when using unsuitable liquids

# Terms and Conditions

The products described in this document are hereby offered for sale to be established by DMT Co., Ltd. It's subsidiaries and it's authorized buyer. This offer and it's acceptance by any customer (the "buyer") document, when communicated to DMT Co., Ltd. It's subsidiaries or an authorized distributor (the "seller") verbally or in writing, shall constitute acceptance of this offer.

## 1. Appointment and Acceptance

During the term and subject to the conditions hereinafter set forth, Seller hereby appoints Buyer for distributing the Products in the Territory, and Seller accepts such appointment.

## 2. Orders and Shipments

2-1 In placing orders with seller, Buyer shall clearly describe the Products and quantity required, and shall include precise instructions for packing, invoicing and shipping. The orders shall not be binding unless and until they accepted by Seller in its discretion. Seller agrees to supply Buyer with Products to enable to perform their full sales.

2-2 All the products shall be shipped within the time stipulated in each contract with Buyer. The dates of Bills of lading shall be taken as a conclusive proof of the date the shipment. Unless specially arranged, the port of shipment shall be at Seller's option. Sellers shall not be responsible for late shipment caused by the delay of arrival of a payment.

## 3. Price and Payment

3-1 The prices of the Products shall be determined in accordance with the price lists, which price list may be changed from time to time by the Seller with [30 days] prior notice.

3-2 Within [30 days] after receipt of Seller's confirmation of order, Buyer shall pay Seller by advanced T/T. In case of the amount is over US\$ 30,000.00, Buyer could open an irrevocable Letter of Credit at sight instead of Advanced T/T in favor of Seller, issued by a first class, international bank, satisfactory to Seller.

3-3 Unless otherwise stipulated all prices contained in our quotations and written acceptances are is Ex-Works.

3-4 Currency of Payment shall be in [United States Dollars].

## 4. Technical Assistance

Seller engages them to supply Buyer with necessary Technical Assistance by means of informative and illustrated material and to send all advertising material suitable for promotion and advertising of the Products.

## 5. Warranty

**DMfit<sub>®</sub>** Quick-Connect fittings are provided with a limited lifetime warranty by the manufacturer against defects in workmanship and materials that result in sealing failure of the fitting.

To claim warranty service, contact the US agent through whom the product was purchased for information on adjustments, replacement parts, or for a return authorization. A copy of the documents verifying the product purchase must accompany the returned product. The Seller will, at its option, repair or replace the parts.

### LIMITATIONS and EXCLUSIONS

This warranty is valid only to the original retail purchaser of the actual fitting or of a water system featuring these fittings. The limited lifetime warranty applies only to **DMfit<sub>®</sub>** fittings used in conjunction with **DMfit<sub>®</sub>** tubing and sold by DMT or an authorized sales agent. The warranty does not apply to other components of water treatment sales agent. The warranty does not apply to other components of water treatment systems attached to the **DMfit<sub>®</sub>** fittings. When **DMfit<sub>®</sub>** fittings are purchased for use without the DMFIT tubing, the product is provided with a 5-years manufacturer's limited warranty against defects in workmanship and materials that result in a sealing failure of the fitting. These warranties are only void when the product is used in accordance with DMT'S Installation Instructions and Technical Specification Guidelines.

This warranty gives the consumer certain legal rights.

5-1 If any of the Products or any part of a Product is found not to be in compliance with the quality standards, Seller shall supply Buyer free of charge replacement for the products of the part of a Products not meeting the quality standards.

5-2 Seller warrants that the Products at the time of shipment shall be free from defects in material and workmanship. This warranty does not extend to any of the said Products which have been: (1) subject to misuse, neglect, accident or abuse, (2) improperly repaired, or altered or modified in any way, and (3) used in violation of instructions furnished by Seller.

## 6. Trademarks

6-1 Buyer recognizes that any of trademarks, trade names, designs, copyrights and

other proprietary rights, used on or embodied in the Products ["Proprietary Rights"] shall remain the exclusive property of Seller. Buyer shall not have or acquire any right, title or interest in Proprietary Rights: provided, however, that Buyer may with the consent of Seller indicate that it is an authorized Buyer of the Products and cease using in any way Seller's name of its Proprietary Rights or any material similar thereto.

6-2 Buyer shall not alter, deface, remove, cover or mutilate in any manner the trademark, serial or model numbers, brand or Seller's name attached or affixed to any of the Products, without the consent of Seller.

## 7. Term

This agreement shall become effective upon signing and shall continue in full force and effect for an ordered date by Buyer, unless otherwise stipulated all prices contained in our quotations and written acceptance our terms of payment are EX-Works.

## 8. Force Majeure

Neither party shall be liable to the other party for nonperformance or delay in performance of any of its obligations under the Agreement due to war, revolution, riot, strike or other labor dispute, fire, flood, acts of government or any other causes reasonably beyond its control. Upon the occurrence of such a force majeure condition the affected party shall immediately notify the other party of any further developments. Immediately after such conditions is removed, the affected party shall perform such obligation with all due speed.

## 9. Governing Law

This Agreement shall be interpreted and governed by the laws of the Republic of Korea.

## 10. Arbitration

All disputes, controversies or differences which may arise between the parties out of or in relation to or in connection with this Agreement or for the breach thereof shall be finally settled by arbitration in Seoul, Korea in accordance with the Commercial Arbitration Rules of the Korean Commercial Arbitration Board and under the Law of Korea. The award rendered by the arbitrator(s) shall be final and binding upon both parties concerned.

## 11. Miscellaneous Provisions

### 11-1 Notices

Any notice required or permitted to be given hereunder shall be in writing, and may be given by personal service, registered airmail if confirmed on the same day in writing by registered airmail.

### 11-2 Entire Agreement, Amendments

This Agreement constitutes the entire understanding of Seller and Buyer with respect to the subject matter hereof. No amendment, modification or alteration of any term of this Agreement shall be binding on either party unless the same shall be made in writing and executed by or on behalf of the parties hereto.

### 11-3. No Assignment, Succession.

This Agreement shall insure to the benefit of and be binding upon the parties hereto and their respective successors. No assignment of this Agreement shall be valid without the prior written consent of the other party hereto.

### 11-4 Waiver

All waivers hereunder must be in writing, and the failure of any party at any time to require the other party's performance of any obligations under this Agreement shall not affect the right subsequently to require performance of the obligation. Any waiver of any breach of any provision of this Agreement shall not be construed as a waiver of any continuing or succeeding breach of such provision or a waiver or modification of the provision.

### 11-5 Sever ability

If any one or more of the provisions contained in this Agreement shall be declared invalid, illegal or unenforceable in any respect under any applicable law, the validity legality and enforceability of the remaining provision contained herein shall not in any way be affected and in such case the parties hereto oblige themselves to reach the intended purpose of the invalid provision by a new, valid and legal stipulation.

### 11-6 Headings.

The section headings herein are intended for purpose of convenience only and any shall not affect the construction or interpretation of any of the provision of this Agreement.