

October 2015



DMfit®



DM DMT
www.dmfit.com



DMfit®

PUSH-IN TUBE FITTINGS



WRAS approval :
DMfit® complies with WRAS requirements of the United Kingdom Water Regulations.



US FDA approved materials :
DMfit® fittings are produced using FDA approved materials.



SK Zert, ANSI/NSF-51, 61 Certifications :
DMfit® fittings are suitable for contact with foodstuffs & drinking water.



ISO 9001/ISO14001 Certifications :
DMfit® fittings are produced under a registered ISO 9001 / ISO 14001 quality system.

ISO 9001 ISO 14001

Since our creation in 1987, we have taken a leading position in the plastic extruded casing industry because of our quality-first mindset, integrity and technical leadership.

Now, we have made a second bold leap - into the fittings business. The goal is to be a global leader, providing the best net value in fittings products to the entire range of fluid handling industries.



CONTENTS

TECHNICAL INFORMATION

Terms and Conditions	5
General Specifications	6

INCH SIZE PRODUCTS

Acetal Fittings (Gray)	8
Acetal Fittings (White)	14

METRIC SIZE PRODUCTS

Acetal Fittings (Black)	19
-------------------------------	----

POWER PRODUCTS

Acetal Power Fittings(Inch/Metric)	26
Clean Fittings	28

P-P PRODUCTS

Polypropylene Fittings	29
------------------------------	----

VALVE PRODUCTS

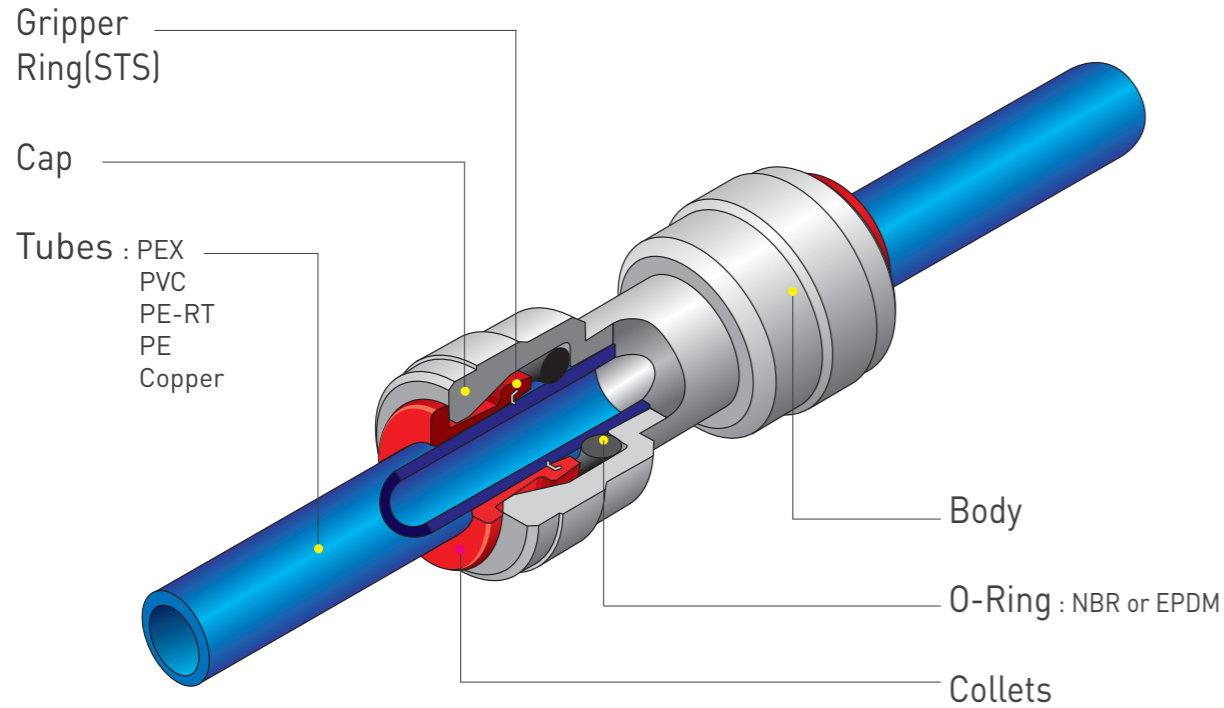
Stop & Faucet Adaptor Valves	34
Control Valves	36
Hand Valves	38
Check Valves	41
Stop Valves	42

OTHERS

Filter Strainers	43
Brass Fitting(Inch/Metric)	44
Cartridges	45
Full Cartridges	47
Accessories	48
LLDPE TUBES	50
Chemical Compatability	51



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	

Fitting Working Pressure and Temperature

Temperature	Small Size						Large Size				28mm
	5/32"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	7/8"	1"		
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)		

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	
Large Size	1/2", 12mm	±0.004" (±0.1mm)
	5/8", 15(16)mm	
	7/8", 18(22)mm	
	28mm	

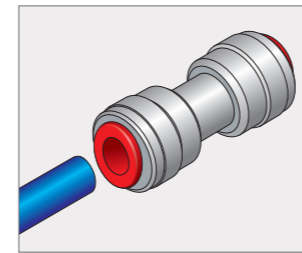
※ For use at higher temperatures or pressures, please contact your DMfit representative for assistance.

Maximum Permissible Torque

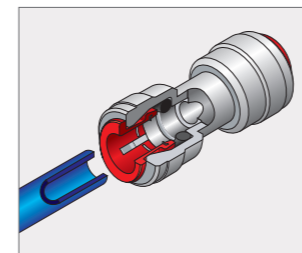
		Thread		1/8", 1/4"		3/8", 1/2"		3/4"	
Torque									
Plastic	Maximum Torque (Nm)			1.5		3.0		4.0	
Steel	Maximum Torque (Nm)	7.0-9.0	12.0-14.0	22.0-24.0	28.0-30.0				

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

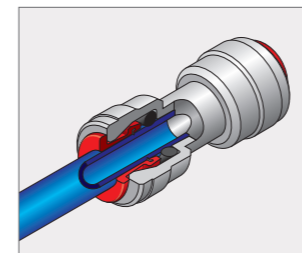
Installing DMfit Fittings



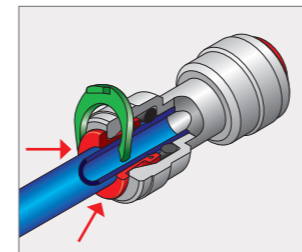
- Cut the part of the tube to be inserted into the fitting to plane the end.
- Make sure to use a clean tube without any foreign material or cracks.



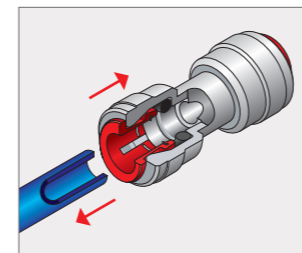
- When inserting the tube, remove any obstructions before fully inserting the tube. Make sure the tube is fully inserted.
- Inserting the tube into the fitting only takes moderate force. The tube or fitting should not be scratched or damaged in the process, as this is the main cause for water leaks later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

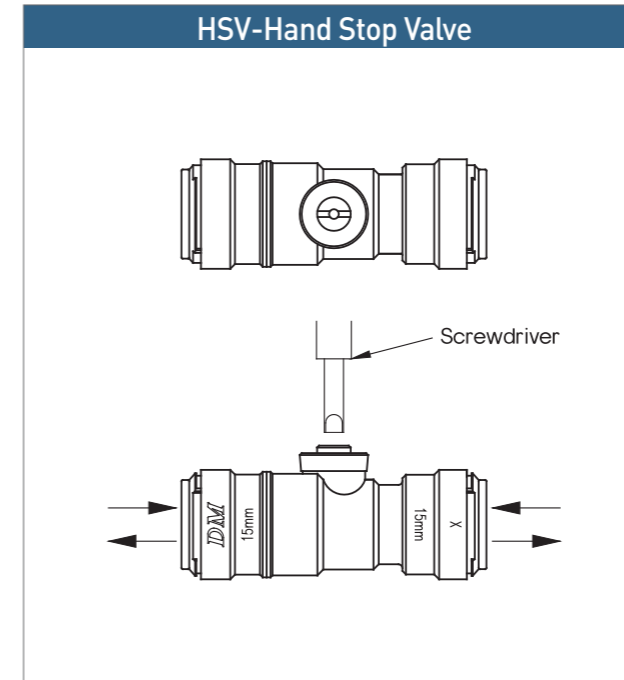
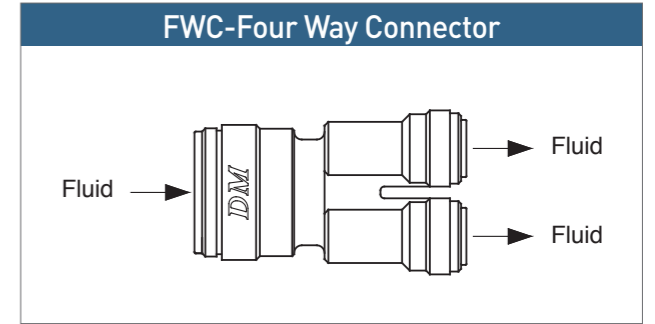
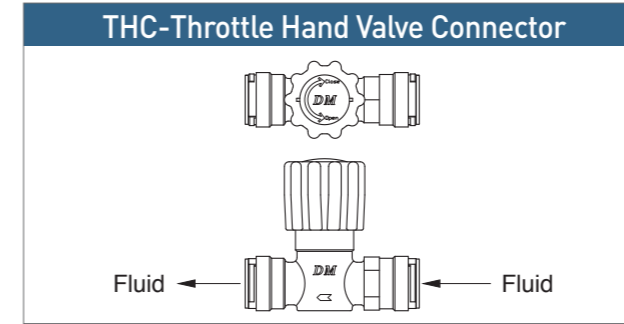
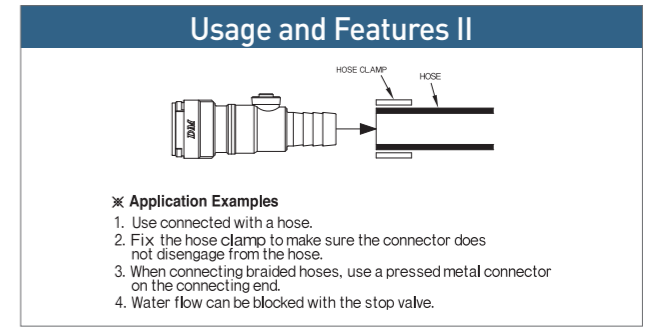
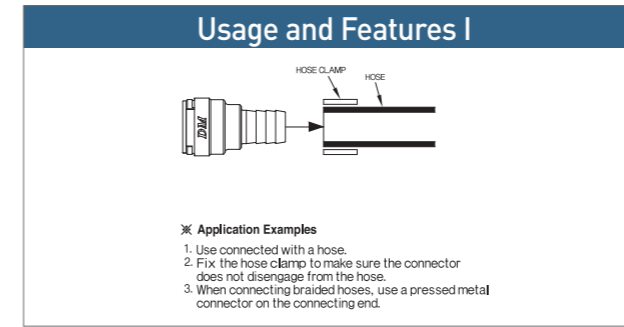
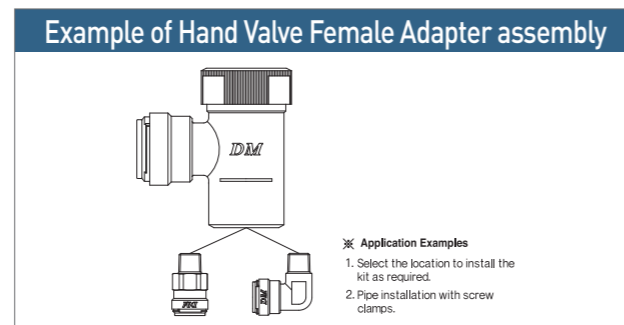
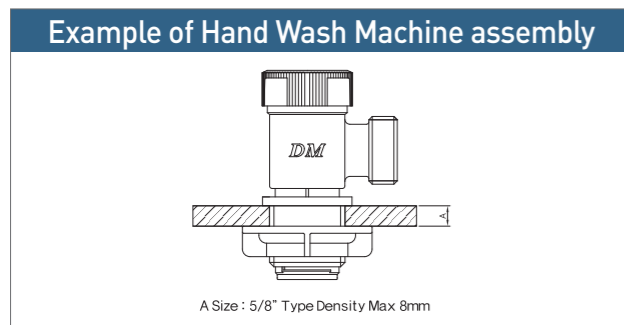
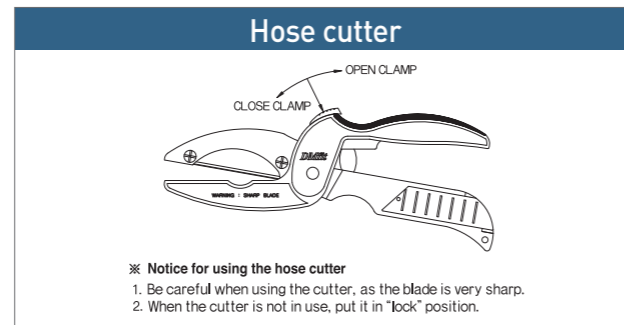
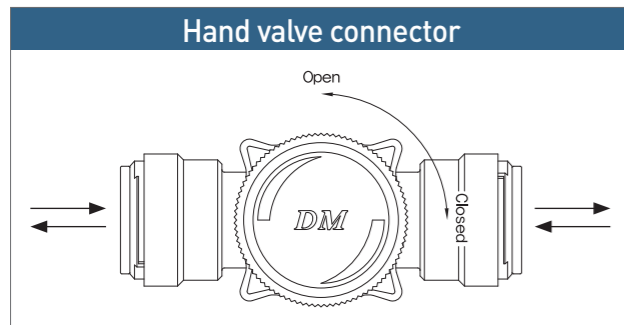
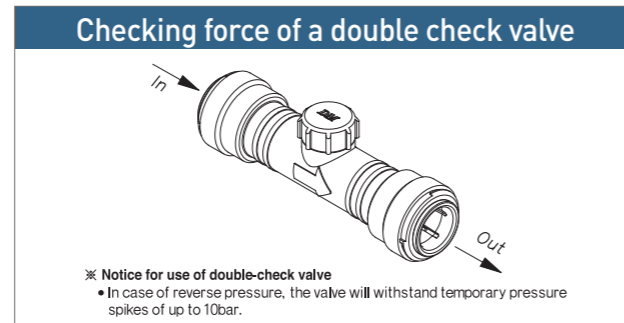
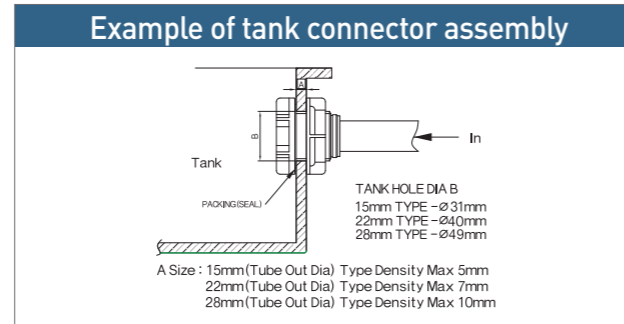
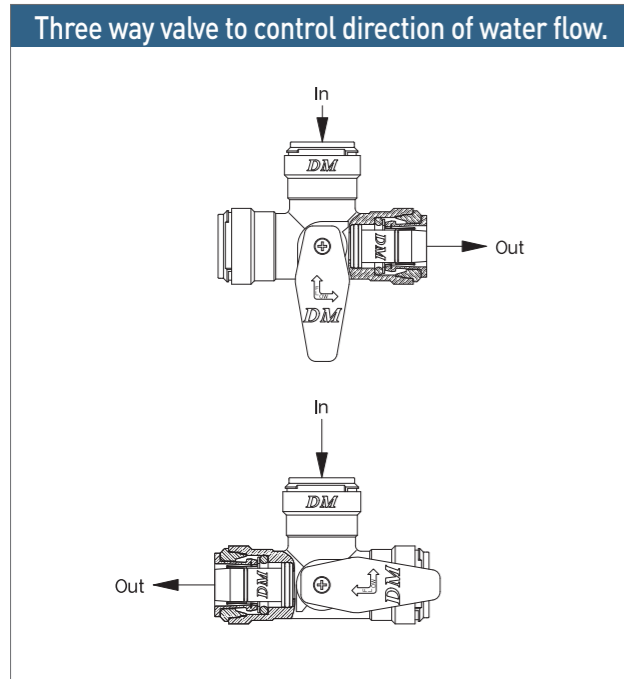
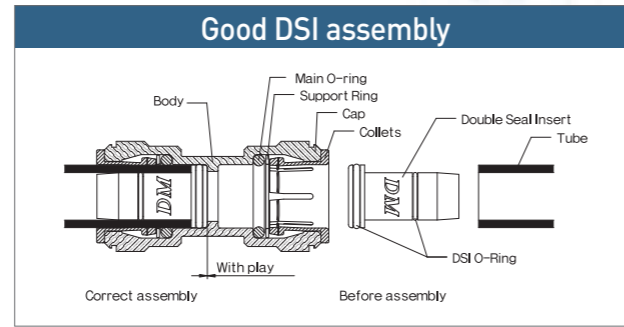
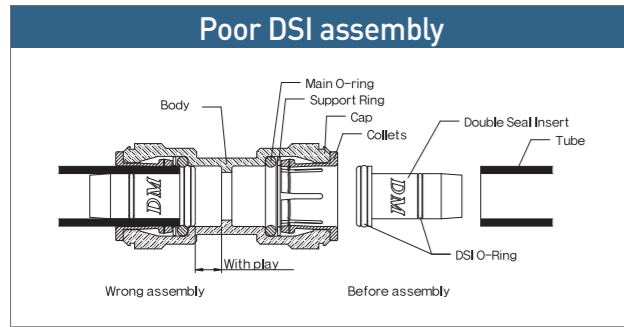
⚠ Warnings and Precautions

- 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® 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® products to tubing or connecting elements other than DMfit® 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.
- ⑱ Our threaded fittings should be complied with our specification. (ref. page4)

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.

PUSH-IN TUBE FITTINGS

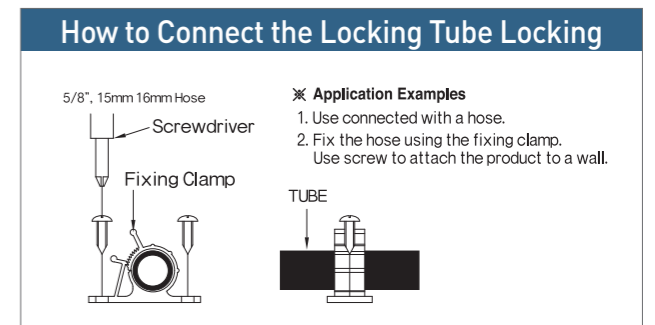
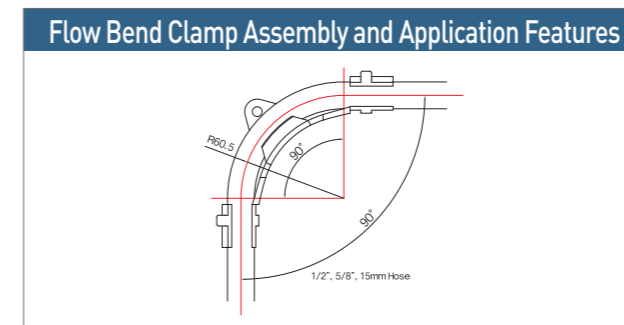


DMfit Fitting Standard Anatomy

● All diagrams are based on the UC0808 product.

No.	Part Name	Material	Q'ty	Remark
1	Collets	Acetal	2	
2	Support Ring	Acetal	2	
3	O-ring	NBR	2	
4	Body	Acetal	1	

■ Exceptional, Small sizes don't have Sup-Ring in the body.



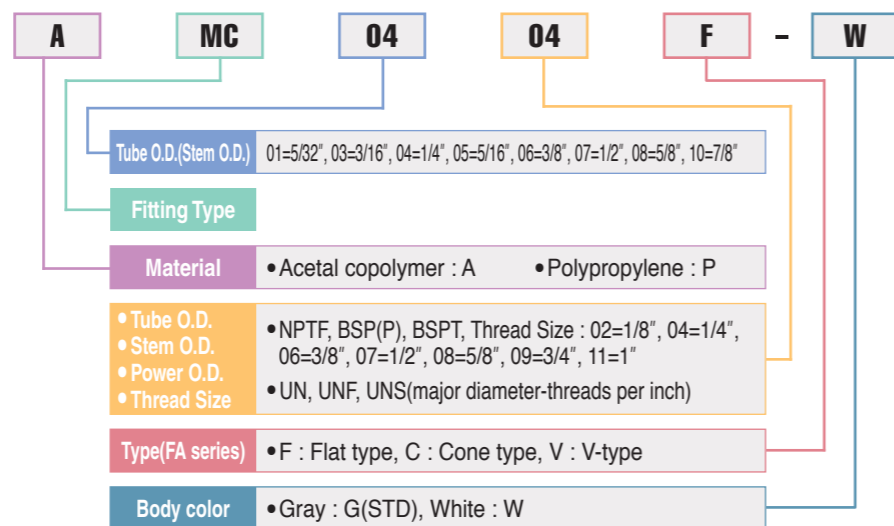
ACETAL FITTINGS (GRAY / INCH)



Suitable for

- Water & foods use :** *DMfit®* 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®* provides quick and convenient assembly - saving time & expense. Our ISO9001, 14001 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 Copolymer

Part Numbering System



MC - Male Connector

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

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

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

ME - Male Elbow

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

MCBT - Male Connector

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

MCF - Male Connector

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

MCW - Male Connector

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

MES - Male Elbow Swivel

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

SAB - Stem Adapter

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


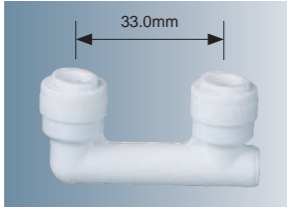
EU - Elbow Union

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 (WHITE / INCH)


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


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



FAN - Female Adapter

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


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




FAB - Female Adapter

PART NO.	Tube O.D.	BSP(P) Thread	Qty / Box
AFAB 0409FW-1	1/4	3/4	250
AFAB 0609FW-1	3/8	3/4	200
AFAB 0709FW-1	1/2	3/4	150




STU - Stackable Tee Union

PART NO.	Tube O.D.	Tube O.D.	Stem O.D.	Qty / Box
ASTU 040404	1/4	1/4	1/4	300
ASTU 060606	3/8	3/8	3/8	150
ASTU 070707	1/2	1/2	1/2	100




MTU - Male Tee Union

PART NO.	Tube O.D.	Tube O.D.	NPTF Thread	Qty / Box
AMTU 040404	1/4	1/4	1/4	300
AMTU 060606	3/8	3/8	3/8	150



BTU - Branch Tee Union


PART NO.	Tube O.D.	Tube O.D.	Stem O.D.	Qty / Box
ABTU 040404	1/4	1/4	1/4	300
ABTU 060606	3/8	3/8	3/8	150
ABTU 070707	1/2	1/2	1/2	100



BMC - Brass Male Connector

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

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.

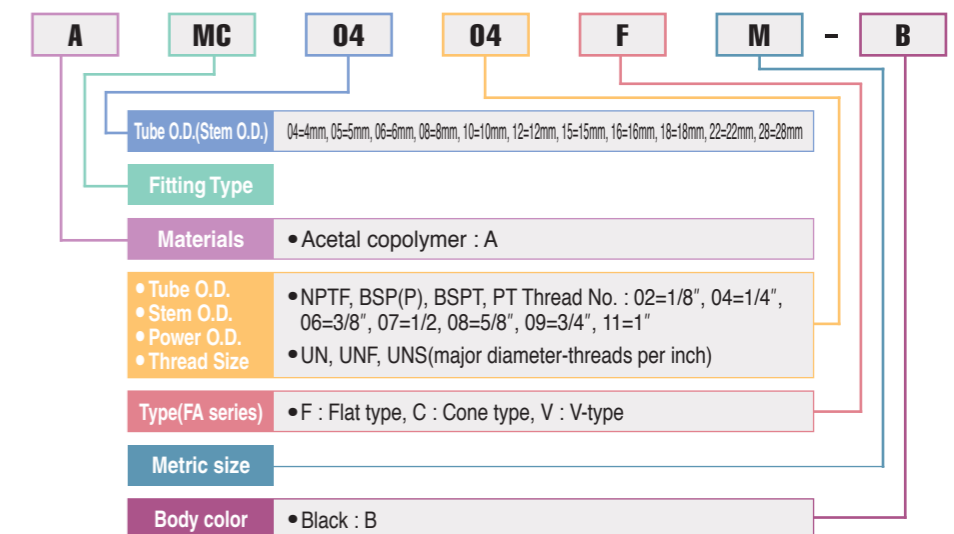
ACETAL FITTINGS (BLACK / METRIC)



Suitable for


- **Water & foods use:** *DMfit*[®] 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*[®] provides quick and convenient assembly - saving time & expense. Our ISO9001, 14001 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 Copolymer

Part Numbering System




ME - Male Elbow

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



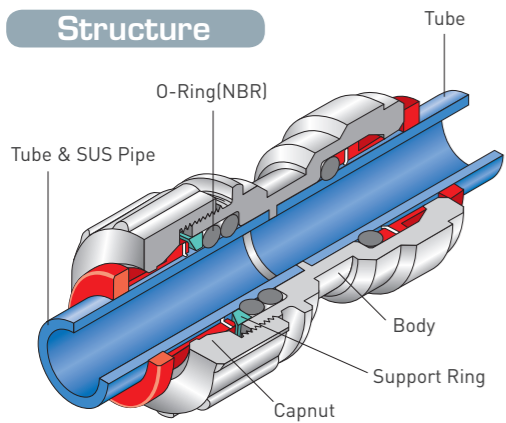
MES - Male Elbow Swivel

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 POWER FITTINGS (GRAY-INCH / BLACK-METRIC)

for use with Stainless Steel Pipe



■ Features

- This is the special products using for stainless steel, or other plated pipes.
- When you fasten 'cap nut', interaction between Support Ring and Collet can grab more completely the pipe, and seal O-Ring in the fitting.
- Two O-Rings give more sealing effectiveness in the high temperature.
- It prevents a breakaway of pipe from fastening 'cap nut' with using hands tools.

PSEU - Power Elbow Union (Single)

PART NO.	Tube O.D.	Power O.D.	Qty / Box
APSEU 0505	5/16	5/16	250
APSEU 0506	5/16	3/8	250
APSEU 0604	3/8	1/4	300
APSEU 0605	3/8	5/16	200
APSEU 0606	3/8	3/8	200

PBEU - Power Elbow Union (Both)

PART NO.	Power O.D.	Power O.D.	Qty / Box
APBEU 0505	5/16	5/16	250
APBEU 0605	3/8	5/16	250
APBEU 0606	3/8	3/8	200

PBUC - Power Union Connector (Both)

PART NO.	Power O.D.	Power O.D.	Qty / Box
APBUC 0505	5/16	5/16	250
APBUC 0606	3/8	3/8	250

PSUC - Power Union Connector (Single)

PART NO.	Tube O.D.	Power O.D.	Qty / Box
APSUC 0505	5/16	5/16	300
APSUC 0506	5/16	3/8	250
APSUC 0604	3/8	1/4	250
APSUC 0605	3/8	5/16	200
APSUC 0606	3/8	3/8	200

PMCW - Power Male Connector BSW Thread

PART NO.	Power O.D.	BSW Thread	Qty / Box
APMCW 05 9/16	5/16	9/16-24	350
APMCW 06 9/16	3/8	9/16-24	300

PMCBT - Power Male Connector BSPT(PT) Thread

PART NO.	Power O.D.	BSPT(PT) Thread	Qty / Box
APMCBT 0504	5/16	1/4	400

PSP - Power SPanner (Nylon)

PART NO.	Tube O.D.
NPSP	5/16, 3/8

• Available in metallic spanner

PSFBU - Power Flow Bend Union (Single)

PART NO.	Power O.D.	Tube O.D.	Qty / Box
APSFBU 0505	5/16	5/16	

PBBC - Power BarB Connector

PART NO.	Power O.D.	Tube I.D.	Qty / Box
APBBC 0404	1/4	1/4	400
APBBC 0504	5/16	1/4	400
APBBC 0604	3/8	1/4	250

PSEU - Power Elbow Union (Single)

PART NO.	Tube O.D. (mm)	Power O.D. (mm)	Qty / Box
APSEU 0808M	8	8	250
APSEU 0810M	8	10	250
APSEU 1006M	10	6	300
APSEU 1008M	10	8	250
APSEU 1010M	10	10	250

PSUC - Power Union Connector (Single)

PART NO.	Tube O.D. (mm)	Power O.D. (mm)	Qty / Box
APSUC 0808M	8	8	300
APSUC 0810M	8	10	250
APSUC 1006M	10	6	250
APSUC 1008M	10	8	250
APSUC 1010M	10	10	250

PMCW - Power Male Connector BSW Thread

PART NO.	Power O.D. (mm)	BSW Thread	Qty / Box
APMCW 08 9/16M	8	9/16-24	400
APMCW 10 9/16M	10	9/16-24	350

PMCF - Power Male Connector MFL Thread

PART NO.	Power O.D.	MFL Thread	Qty / Box
APMCF 0504	5/16	1/4	400
APMCF 0506	5/16	3/8	250

- 7/16-20 UNF corresponds to a 1/4 MFL
- 5/8-18 UNF corresponds to a 3/8 MFL

PMCBT - Power Male Connector BSPT(PT) Thread

PART NO.	Power O.D. (mm)	BSPT(PT) Thread	Qty / Box
APMCBT 0804M	8	1/4	400

PBEU - Power Elbow Union (Both)

PART NO.	Power O.D. (mm)	Power O.D. (mm)	Qty / Box
APBEU 0808M	8	8	250
APBEU 1008M	10	8	250
APBEU 1010M	10	10	250

PBUC - Power Union Connector (Both)

PART NO.	Power O.D. (mm)	Power O.D. (mm)	Qty / Box
APBUC 0808M	8	8	250
APBUC 1010M	10	10	250

PMCF - Power Male Connector MFL Thread

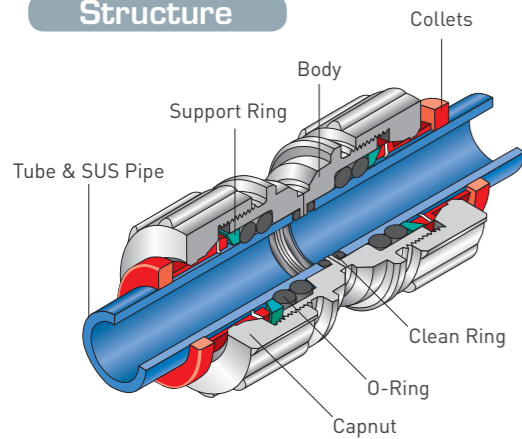
PART NO.	Power O.D. (mm)	MFL Thread	Qty / Box
APMCF 0804M	8	1/4	40
APMCF 0806M	8	3/8	350

- 7/16-20 UNF corresponds to a 1/4 MFL
- 5/8-18 UNF corresponds to a 3/8 MFL

CLEAN FITTINGS (GRAY / INCH)

POLYPROPYLENE FITTINGS (WHITE / INCH)

Structure



■ Features

- Designed to no gap between pipe and clean ring, there is no movement of the pipe.
- This function prevents the containment, and provides to use the clean environments.
- Clean fittings are conducted the same function as power fittings and with EPDM O-rings.

■ Suitable for

- **Water & foods use :** *DMfit*® 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.
- **Function & Quality :** *DMfit*® provides quick and convenient assembly - saving time & expense. Our ISO9001, 14001 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 :** White Polypropylene with food grade EPDM O-rings.



CIMCBT - Clean fitting Male Connector BSPT(PT)Thread



PART NO.	Power O.D.	BSPT(PT) Thread	Qty / Box
ACIMCBT 0504	5/16	1/4	400

CIBEU - Clean fitting Elbow Union (Both)



PART NO.	Power O.D.	Power O.D.	Qty / Box
ACIBEU 0505	5/16	5/16	250
ACIBEU 0605	3/8	5/16	250
ACIBEU 0606	3/8	3/8	250

CIBUC - Clean fitting Union Connector (Both)



PART NO.	Power O.D.	Power O.D.	Qty / Box
ACIBUC 0505	5/16	5/16	250
ACIBUC 0606	3/8	3/8	250

CIMCW - Clean fitting Male Connector BSW Thread



PART NO.	Power O.D.	BSW Thread	Qty / Box
ACIMCW 05 9/16	5/16	9/16-24	400
ACIMCW 06 9/16	3/8	9/16-24	350

CIMCF - Clean fitting Male Connector MFL Thread



PART NO.	Power O.D.	MFL Thread	Qty / Box
ACIMCF 0504	5/16	1/4	400
ACIMCF 0506	5/16	3/8	350

- 7/16-20 UNF corresponds to a 1/4 MFL
- 5/8-18 UNF corresponds to a 3/8 MFL

Working Pressure and Temperature

Pressure	10bar	4bar
Temperature	1 °C (35°F) ~ 20 °C (70°F)	65 °C (150°F)

MC - Male Connector NPTF Thread



PART NO.	Tube O.D.	NPTF Thread	Qty / Box
PMC 0402W	1/4	1/8	400
PMC 0404W	1/4	1/4	350
PMC 0406W	1/4	3/8	300
PMC 0407W	1/4	1/2	150
PMC 0502W	5/16	1/8	400
PMC 0504W	5/16	1/4	400
PMC 0506W	5/16	3/8	350
PMC 0602W	3/8	1/8	300
PMC 0604W	3/8	1/4	300
PMC 0606W	3/8	3/8	250
PMC 0607W	3/8	1/2	200
PMC 0706W	1/2	3/8	200
PMC 0707W	1/2	1/2	150
PMC 0807W	5/8	1/2	80
PMC 1009W	7/8	3/4	40

MCB - Male Connector BSP(P) Thread New



PART NO.	Tube O.D.	BSP(P) Thread	Qty / Box
PMCB 0807W	5/8	1/2	100
PMCB 0809W	5/8	3/4	100
PMCB 1009W	7/8	3/4	50

ME - Male Elbow NPTF Thread



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

EU - Elbow Union



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
PEU 0404W	1/4	1/4	350
PEU 0504W	5/16	1/4	300
PEU 0505W	5/16	5/16	300
PEU 0604W	3/8	1/4	200
PEU 0605W	3/8	5/16	200
PEU 0606W	3/8	3/8	200
PEU 0704W	1/2	1/4	150
PEU 0705W	1/2	5/16	150
PEU 0706W	1/2	3/8	150
PEU 0707W	1/2	1/2	150
PEU 1008W	7/8	5/8	50

POLYPROPYLENE FITTINGS (WHITE / INCH)

TES - Tube End Stop

New



PART NO.	Tube O.D.	Qty / Box
PTES 04W	1/4	800
PTES 05W	5/16	600
PTES 06W	3/8	300
PTES 07W	1/2	300
PTES 08W	5/8	100
PTES 10W	7/8	50

PL - PLug



PART NO.	Stem O.D.	Qty / Box
PPL 01W	5/32	1000
PPL 03W	3/16	1000
PPL 04W	1/4	1000
PPL 05W	5/16	700
PPL 06W	3/8	500
PPL 07W	1/2	400
PPL 08W	5/8	200
PPL 10W	7/8	100

SUC - Swivel Union Connector

BSP(P) Thread



PART NO.	Tube O.D.	BSP(P) Thread	Qty / Box
PSUC 0807W	5/8	1/2	50
PSUC 0809W	5/8	3/4	50
PSUC 1009W	7/8	3/4	40

SEU - Swivel Elbow Union

BSP(P) Thread

New



PART NO.	Tube O.D.	BSP(P) Thread	Qty / Box
PSEU 0807W	5/8	1/2	50
PSEU 0809W	5/8	3/4	50

TWD - Two Way Divider



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

KFA - Kitchen Faucet Adapter

NPSM Thread

New



PART NO.	Tube O.D.	NPSM Thread	Qty / Box
PKFA 0407W	1/4	1/2-14	100
PKFA 0607W	3/8	1/2-14	100

• For installing undercounter filters & RO systems



UB - U Bend

New



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
PUB 0404W	1/4	1/4	350
PUB 0505W	5/16	5/16	250
PUB 0606W	3/8	3/8	150
PUB 0707W	1/2	1/2	100
PUB 0808W	5/8	5/8	60
PUB 1010W	7/8	7/8	40

SVA - Stop Valve Adapter

UNEF Thread

New



PART NO.	Tube O.D.	UNEF Thread	Qty / Box
PSVA 04 9/16W	1/4	9/16-24	200
PSVA 06 9/16W	3/8	9/16-24	150

• For an undercounter filter systems



MTU - Male Tee Union

NPTF Thread

New



PART NO.	Tube O.D.	NPTF Thread	Qty / Box
PMTU 0404W	1/4	1/4	300



RD - ReDucer



PART NO.	Tube O.D.	Stem O.D.	Qty / Box
PRD 0405W	1/4	5/16	700
PRD 0406W	1/4	3/8	500
PRD 0408W	1/4	5/8	300
PRD 0506W	5/16	3/8	400
PRD 0507W	5/16	1/2	300
PRD 0607W	3/8	1/2	300

TBC - Tube Barb Connector

New



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

STOP VALVE ADAPTOR _ Hand Tighten

New



PART NO.	TUBE OD	THREAD	BOX Qty
AVA6753CP	1/4"	3/8" x 3/8" Compression	70
AVA6713CP	3/8"	3/8" x 3/8" Compression	70
AVA6753CPB	1/4"	3/8" x 3/8" BSPP	70
AVA6713CPB	3/8"	3/8" x 3/8" BSPP	70

SLIP TEE VALVE

New



Easy connection with your existing water line – Slip connection
Designed to be suitable for Copper, PEX and CPVC pipe.

5" Long

PART NO.	TUBE OD	TUBE OD BRANCH	BOX Qty
AVT67665S	5/8" x 5/8"	1/4"	25
AVT67661S	5/8" x 5/8"	3/8"	25
AVT67445S	7/8" x 7/8"	1/4"	25
AVT67665SM	15mm x 15mm	1/4"	25
AVT67661SM	15mm x 15mm	3/8"	25
AVT67445SM	22mm x 22mm	1/4"	25

FAUCET VALVE ADAPTOR _ Hand Tighten

New



PART NO.	TUBE OD	THREAD	BOX Qty
AVA6754	1/4"	1/2" x 1/2" NPS	50
AVA6714	3/8"	1/2" x 1/2" NPS	50
AVA6754BP	1/4"	1/2" x 1/2" BSPP	50
AVA6714BP	3/8"	1/2" x 1/2" BSPP	50

STOP & FAUCET ADAPTOR VALVES

Lead Free

AV range of Stop & Faucet Valve Adaptor valves and Slip Tee Valves are manufactured in white Polypropylene, reinforced plastic with EPDM O-rings which provides value-added advantages in the installation of water supply line mainly.

AV range of Stop & Faucet Valve Adaptors and Slip Tee Valves are designed for use in drinking water systems, Refrigerators, Ice-Makers, Humidifiers and Water filtration applications, etc.,. Our valves offer greater efficiency than any traditional valves. AV valves have been approved in NSF/ANSI 61 & 372. AV range is 1/4" Turn valves.

Working Pressure and Temperature

Pressure	12bar	6bar
Temperature	20°C(70°F)	65°C(150°F)

STOP VALVE ADAPTOR _ Hand Tighten



PART NO	TUBE OD	THREAD	BOX Qty
AVA6753CP	1/4"	3/8" x 3/8" Compression	70
AVA6713CP	3/8"	3/8" x 3/8" Compression	70
AVA6753CPB	1/4"	3/8" x 3/8" BSPP	70
AVA6713CPB	3/8"	3/8" x 3/8" BSPP	70

STOP VALVE ADAPTOR _ Brass Shaft



PART NO	TUBE OD	THREAD	BOX Qty
AVA6753BCP	1/4"	3/8" x 3/8" Compression	70
AVA6713BCP	3/8"	3/8" x 3/8" Compression	70
AVA6753BB	1/4"	3/8" x 3/8" BSPP	70
AVA6713BB	3/8"	3/8" x 3/8" BSPP	70



* Conversion adaptor can be threaded to 1/2" x 1/2" NPS/BSPP or 3/8" x 3/8" Compression/BSPP

How to Connect



- ① Shut off your existing Stop valve and disconnect the riser from the valve.
- ② Connect our Stop valve to the water valve.
- ③ Connect the riser to our valve.
- ④ Ensure the Perfect Connection Every Time. Open valves and check for leaks.

FAUCET VALVE ADAPTOR _ Hand Tighten



PART NO	TUBE OD	THREAD	BOX Qty
AVA6754	1/4"	1/2" x 1/2" NPS	50
AVA6714	3/8"	1/2" x 1/2" NPS	50
AVA6754BP	1/4"	1/2" x 1/2" BSPP	50
AVA6714BP	3/8"	1/2" x 1/2" BSPP	50

SLIP TEE VALVE



Easy connection with your existing water line – Slip connection Designed to be suitable for Copper, PEX and CPVC pipe.

5" Long

PART NO	TUBE OD	TUBE OD BRANCH	BOX Qty
AVT67665S	5/8" x 5/8"	1/4"	25
AVT67661S	5/8" x 5/8"	3/8"	25
AVT67445S	7/8" x 7/8"	1/4"	25
AVT67665SM	15mm x 15mm	1/4"	25
AVT67661SM	15mm x 15mm	3/8"	25
AVT67445SM	22mm x 22mm	1/4"	25

Angle Check Valve



PART NO	TUBE OD	THREAD	BOX / QTY
CVA54B	1/4"	1/2" x 1/2" NPS	50
CVA14B	3/8"	1/2" x 1/2" NPS	50
CVA53BB	1/4"	3/8" x 3/8" BSPP	50
CVA13BB	3/8"	3/8" x 3/8" BSPP	50
CVA54BBP	1/4"	1/2" x 1/2" BSPP	50
CVA14BBP	3/8"	1/2" x 1/2" BSPP	50

ICE Maker / Water Supply Kit



PART NO	BAG / QTY	BOX / QTY
DIK-T (Clear)	1	20
DIK-W (White)	1	20
DIK-B (Blue)	1	20

Contains : (1) 25ft 1/4" PE-RT Tubing, (1) 1/4" Stop Valve, (1) 1/4" Female Adaptor



VALVES (WHITE / INCH)

Control Valves

■ Features

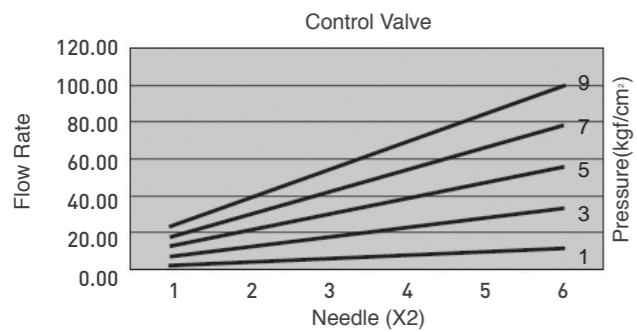
- Highly durable and fatigue resistant.
- Can be used with a variety of chemicals & gases. However, when using other than water or air, please refer to the Chemical Compatibility Tables, or consult our representative.
- Do not apply excessive vibration, torque, shock, or other strong loads on the fittings. The valve body may be damaged or collects may be dislocated.
- Color : Inch Size - White Acetal Copolymer
Metric Size - Black Acetal Copolymer

Working Pressure and Temperature

Pressure	10bar	4bar
Temperature	1°C(35°F) ~ 20°C(70°F)	65°C(150°F)

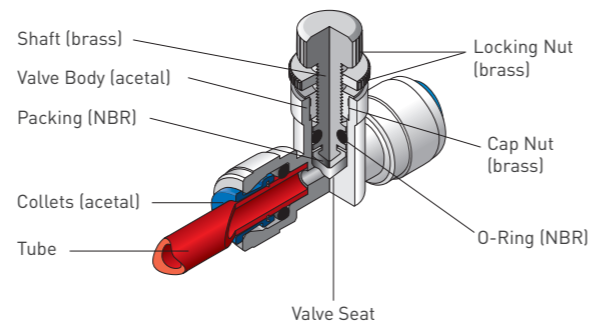


Flow Rate Per Rotation of Valve Stem

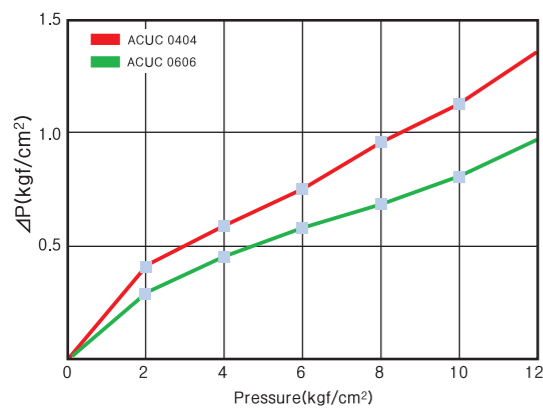
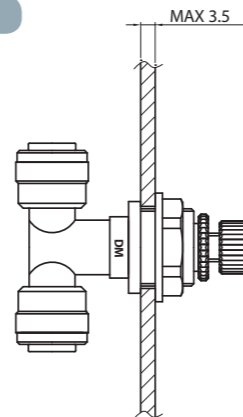


※ Above data may vary depending on the time and temperature variations.

Structure



Assembly



CUC - Control valve Union Connector



PART NO.	Tube O.D.	Tube O.D.	Qty / 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)	Qty / Box
ACUC 0606M	6	6	200
ACUC 1010M	10	10	150

CEU - Control valve Elbow Union



PART NO.	Tube O.D.	Tube O.D.	Qty / 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)	Qty / Box
ACEU 0606M	6	6	250
ACEU 1010M	10	10	150

CFA - Control valve Female Adapter



PART NO.	Tube O.D.	NPTF Thread	Qty / Box
ACFA 0404	1/4	1/4	250
ACFA 0606	3/8	3/8	150

PART NO.	Tube O.D. (mm)	BSP(T) Thread	Qty / Box
ACFA 0604M	6	1/4	200
ACFA 1006M	10	3/8	150

CMC - Control valve Male Connector



PART NO.	Tube O.D.	NPTF Thread	Qty / Box
ACMC 0404	1/4	1/4	250
ACMC 0606	3/8	3/8	150

PART NO.	Tube O.D. (mm)	BSP(T) Thread	Qty / Box
ACMC 0604M	6	1/4	250
ACMC 1006M	10	3/8	150

BCUC-Bulkhead Control valve union Connector



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
ABCUC 0404	1/4	1/4	200
ABCUC 0606	3/8	3/8	120

PART NO.	Tube O.D. (mm)	Tube O.D. (mm)	Qty / Box
ABCUC 0606M	6	6	150
ABCUC 1010M	10	10	120

BCFA-Bulkhead Control valve Female Adapter



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
ABCFA 0404	1/4	1/4	200
ABCFA 0606	3/8	3/8	120

PART NO.	Tube O.D. (mm)	Tube O.D. (mm)	Qty / Box
ABCFA 0604M	6	1/4	150
ABCFA 1010M	10	3/8	120

BCEU-Bulkhead Control valve Elbow Union



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
ABCEU 0404	1/4	1/4	200
ABCEU 0606	3/8	3/8	120

PART NO.	Tube O.D. (mm)	Tube O.D. (mm)	Qty / Box
ABCEU 0606M	6	6	150
ABCEU 1010M	10	10	120

BCMC-Bulkhead Control valve Male Connector



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
ABCMC 0404	1/4	1/4	200
ABCMC 0606	3/8	3/8	120

PART NO.	Tube O.D. (mm)	Tube O.D. (mm)	Qty / Box
ABCMC 0604M	6	1/4	150
ABCMC 1010M	10	3/8	120

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.

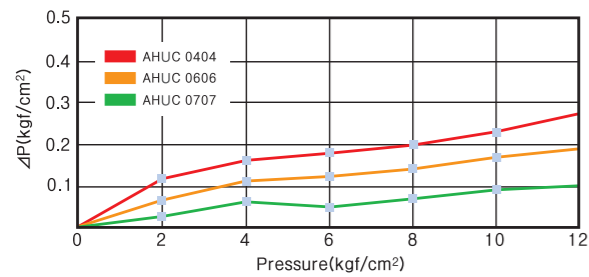
- Do not apply excessive vibration, torque, shock, or other strong loads on the fittings. The valve body may be damaged, or the

collets may be dislocated.

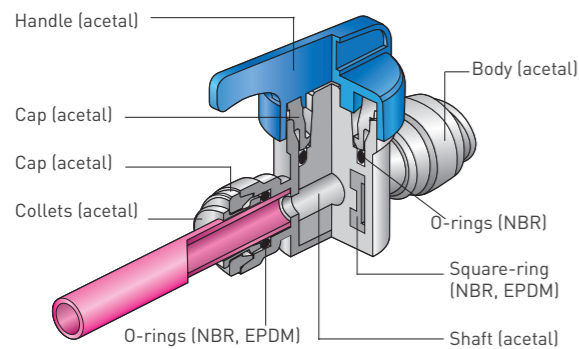
- Easy quarter-turn operation for opening and closing.
- Partial flow control is possible (high, medium, low).
- Ruggedly designed for durability.
- Color : Inch Size - White, Metric Size - Black
- Max. Handle Torque : 0.2 N-M

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(PT) Thread	Qty / Box
AHFAUC 1007M	10	1/2	100

Hand Valves

HUCS - Hand valve Union Connector (Short handle)



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
AHUCS 0606	3/8	3/8	100

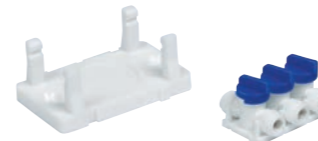
* Order sizes with short handle are available by customer's demand.

HWM - Hand Washing Machine valve



PART NO.	Tube O.D.	BSP(PT) Thread	Thread Size	Qty / Box
AHWM 0809	5/8	3/4	M3.0XP3.5	20

MCLP - Mounting Clip



PART NO.	Size	Qty / Box
AMCLP06	3/8	200

TWV - Three Way Valve



PART NO.	Tube O.D.	Tube O.D.	Tube O.D.	Qty / Box
ATWV 080808	5/8	5/8	5/8	20

HVEU - Hand Valve Elbow Union connector



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
AHVEU 0608	3/8	5/8	50

HBC - Hand Barb Connector



PART NO.	Tube O.D.	Tube I.D.	Qty / Box
AHBC 0807	5/8	1/2	100
AHBC 1007	7/8	1/2	60
AHBC 1009	7/8	3/4	60

VALVES (BLACK / METRIC)

Hand Valves

HMC - Hand valve Male Connector



PART NO.	Tube O.D. (mm)	BSP(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.	Qty / Box
Large Size	AHUC 16M06	15	3/8	40
	AHUC 16M07	15	1/2	40
	AHUC 16M08	15	5/8	50

HFA - Hand valve Female Adapter



Fitting Size	PART NO.	Tube O.D. (mm)	BSP(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

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

PART NO.	Tube O.D. (mm)	Tube O.D. (mm)	Tube O.D. (mm)	Qty / Box
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



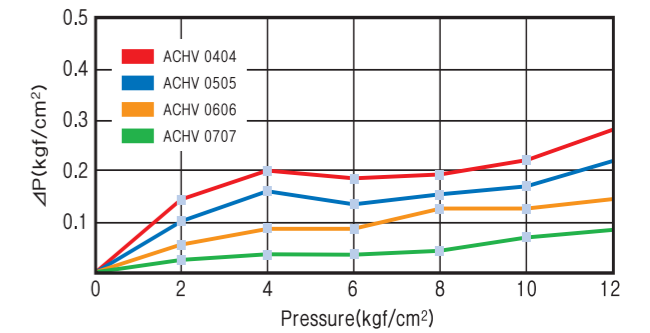
PART NO.	Tube O.D.(mm)	Tube O.D.(mm)	Qty / Box
AHSV 1515M	15	15	80
AHSV 2115M	21	15	60
AHSV 2215M	22	15	60

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



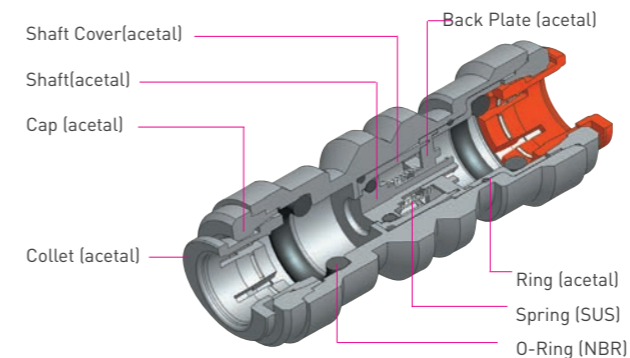
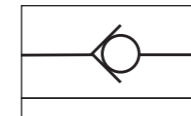
■ Features

- 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 Copolymer
Metric Size - Black Acetal Copolymer

Working Pressure and Temperature

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

Check Valve Sign



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/cm² - 980cc/min

VALVES (GRAY / INCH)

Stop Valves



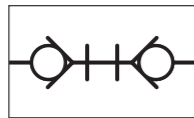
Features

- As a one touch fitting, it is often used where tubing facility is frequently changed.
- Stop fitting allows flow in both directions from the Check Valve in instances when they are connected with Tube. By disconnection the middle of valve, stopping the fluid in both sides, it maintains the faculties and the safe.
- Flows in both directions by connection.
- Stops flow in both directions by separation where pulling to the open position.
- Easy to assemble with the nut.

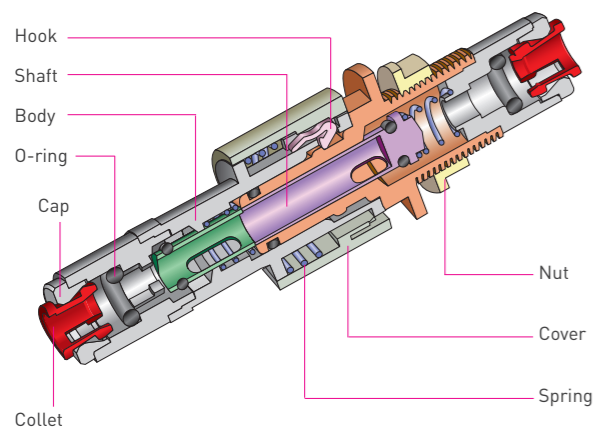
Working Pressure and Temperature

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

Stop Valve Sign



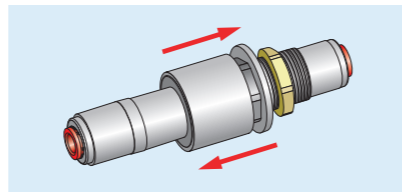
Structure



Flowing

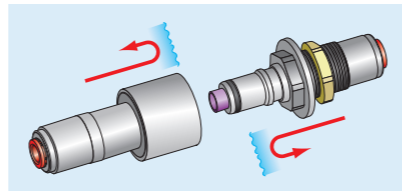
Connector

- Flows in both directions by connection.



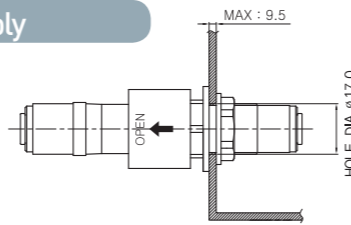
Disconnector

- Stop flows in both directions by separation where pulling to the open position.



Assembly

- Just keep the direction marked on Body.



STVUC-Stop Valve Union Connector



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
ASTVUC 0404	1/4	1/4	5

STVBU-Stop Valve Bulkhead Union



PART NO.	Tube O.D.	Tube O.D.	Thread Size	Qty / Box
ASTVBU 0404	1/4	1/4	M16XP1	5

STVBUE-Stop Valve Bulkhead Union Elbow



PART NO.	Tube O.D.	Tube O.D.	Thread Size	Qty / Box
ASTVBUE 0404	1/4	1/4	M16XP1	5

BSTMCS-Stop Valve Male Connector



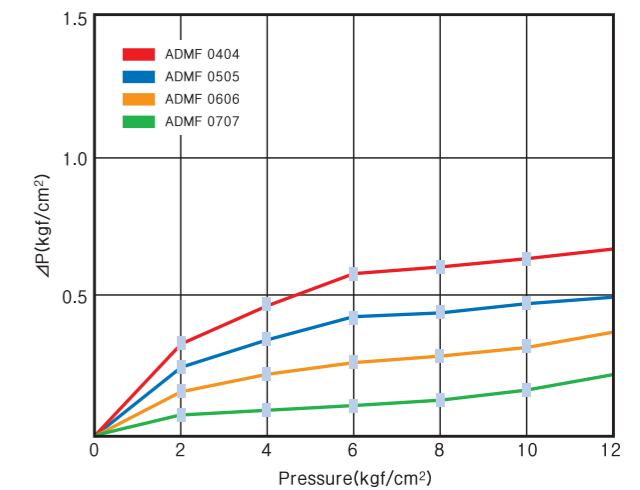
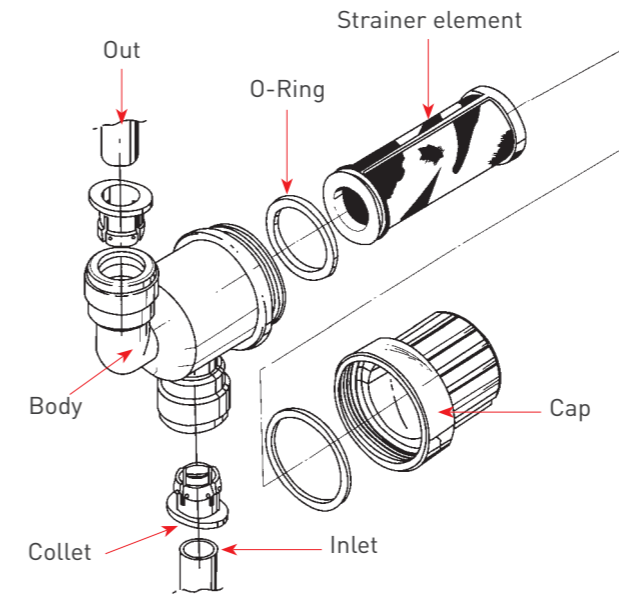
- Various sizes are available by the request of customers.
- Please contact the local representative office for more information.

FILTER STRAINERS



Features

- A rugged and durable filter strainer, available in 100 mesh (standard) with optional 150 or 200 mesh replaceable elements.
- **DMfit** Compatible with DMfit tube and fittings, as well as standard-sized tubing from a variety of other manufacturers.
- Color options: gray, white, or black.
- The detachable CAP and BODY allow for easy servicing and cleaning.
- Can be used with a variety of chemicals and gases. However, when using with 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 to the filter. The filter body may be damaged or collets may be dislocated.



Working Pressure and Temperature

Size	1/4"	5/16"	3/8"	1/2"
Parameter	6mm	8mm	10mm	12mm
Pressure	170psi			
Temperature	Air -20°C(-4°F) ~ 65°C(150°F) Liquid			

※ Maximum pressure values are based on use at room temperature.

※ Consult your DMT representative when using at continuous elevated temperature and pressure

Inch Size (Standard-100Mesh)

PART NO.	INLET	OUTLET	Qty / Box
ADM 0404	1/4	1/4	50
ADM 0505	5/16	5/16	50
ADM 0606	3/8	3/8	50
ADM 0707	1/2	1/2	40

Filter Materials and Mesh Size

Screen Mesh	Standard	Special Order
	100 Mesh	150 Mesh
Material	SUS	

※ Standard models are provided with 100 mesh screen elements.

※ Other meshes is available by special order.

Metric Size (Standard-100Mesh)

PART NO.	INLET (mm)	OUTLET (mm)	Qty / Box
ADM 0606M	6	6	50
ADM 0808M	8	8	50
ADM 1010M	10	10	50
ADM 1212M	12	12	40

BRASS FITTINGS



Suitable for

- With our one touch fittings for the hydraulic tube, it is possible to connect, disconnect and repair tubes quickly, more conveniently and safely.
- Since we have various sizes and functions the fittings can be applied to all tubes with wide scope of application.
- Our oval collets are specifically designed to conveniently remove tubes, but still provide a strong connection.
- The body was manufactured to have a hexagonal on the middle section to make more tightening as it can.
- Color : Body - Brass and Cr-plated
Collets - White

Working Pressure and Temperature

Pressure	12bar	6bar
Temperature	1°C (35°F) ~ 20°C (70°F)	65°C (150°F)

BUN - Brass Union



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
BUN 0808	5/8	5/8	
BUN 1010	7/8	7/8	
PART NO.	Tube O.D. (mm)	Tube O.D. (mm)	Qty / Box
BUN 1515M	15	15	
BUN 1616M	16	16	
BUN 1818M	18	18	
BUN 2222M	22	22	

BFAB - Brass Female Adapter

BSP(P) Thread



PART NO.	Tube O.D.	BSP(P) Thread	Qty / Box
BFAB 0807	5/8	1/2	
BFAB 1009	7/8	3/4	
BFAB 1011	7/8	1	
PART NO.	Tube O.D. (mm)	BSP(P) Thread	Qty / Box
BFAB 1507M	15	1/2	
BFAB 1607M	16	1/2	
BFAB 2209M	22	3/4	
BFAB 2211M	22	1	

BFA - Brass Female Adapter

BSPT(PT) Thread



PART NO.	Tube O.D.	BSPT(PT) Thread	Qty / Box
BFA 0807	5/8	1/2	
BFA 1009	7/8	3/4	
BFA 1011	7/8	1	
PART NO.	Tube O.D. (mm)	BSPT(PT) Thread	Qty / Box
BFA 1507M	15	1/2	
BFA 1607M	16	1/2	
BFA 2209M	22	3/4	
BFA 2211M	22	1	

BMCB - Brass Male Connector

BSP(P) Thread



PART NO.	Stem O.D. (mm)	BSP(P) Thread	Qty / Box
BMCB 1007M	10	1/2	
BMCB 1207M	12	1/2	
BMCB 1509M	15	3/4	
BMCB 2209M	22	3/4	
BMCB 2211M	22	1	
BMCB 2811M	28	1	
BMCT 1207M	12	1/2	
BMCT 1507M	15	1/2	
BMCT 2209M	22	3/4	
BMCT 2811M	28	1	

BMSAB - Brass Male Stem Adapter

BSP(P) Thread



PART NO.	Stem O.D. (mm)	BSP(P) Thread	Qty / Box
BMSAB 1507M	15	1/2	
BMSAB 2209M	22	3/4	
BMSAB 1507M	15	1/2	
BMSAB 2209M	22	3/4	
BMSAB 2811M	28	1	
BFSAB 1507M	15	1/2	
BFSAB 2209M	22	3/4	
BMSAT 1507M	15	1/2	
BMSAT 2209M	22	3/4	
BMSAT 2811M	28	1	

BDC - Brass Drain Cock



PART NO.	Stem O.D. (mm)	Tube I.D. (mm)	Qty / Box
BDC 15M	15	13.8	

BFEB - Brass Flange Elbow

BSP(P) Thread



PART NO.	Tube O.D. (mm)	BSP(P) Thread	Qty / Box
BFEB 1507M	15	1/2	
BFEB 2209M	22	3/4	

CARTRIDGES



Half cartridges

- Half-cartridges are available in Acetal, Brass and Stainless Steel.
- They provide to simplify your application's size and shapes.
- In addition, they give you more cost effectiveness comparing to Fittings.
- Easy installation, Shorten time to assemble.
- Two O-rings make more completed sealing (Refer to Cavity Dimension).

AC - Acetal Cartridge



Inch size	PART NO.	Tube O.D.	Qty / Box
ACETAL CARTRIDGE O-RING NBR	ACU 01	5/32	2000
	ACU 03	3/16	2000
	ACP 04	1/4	1000
	ACP 05	5/16	1000
	ACP 06	3/8	700
	ACP 07	1/2	500

Metric size	PART NO.	Tube O.D. (mm)	Qty / Box
ACETAL CARTRIDGE O-RING NBR	ACU 04M	4	2000
	ACU 05M	5	2000
	ACP 06M	6	1000
	ACP 08M	8	1000
	ACP 10M	10	700
	ACP 12M	12	500

BC - Brass Cartridge



Inch size	PART NO.	Tube O.D.	Qty / 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

Metric size	PART NO.	Tube O.D. (mm)	Qty / 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
	BC 15M	15	500
	BC 22M	22	300

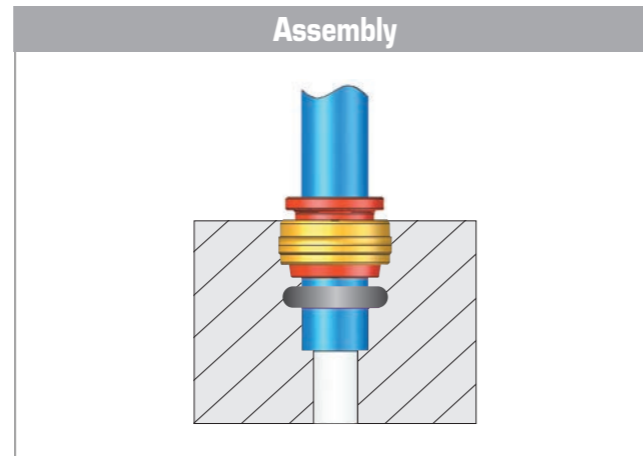
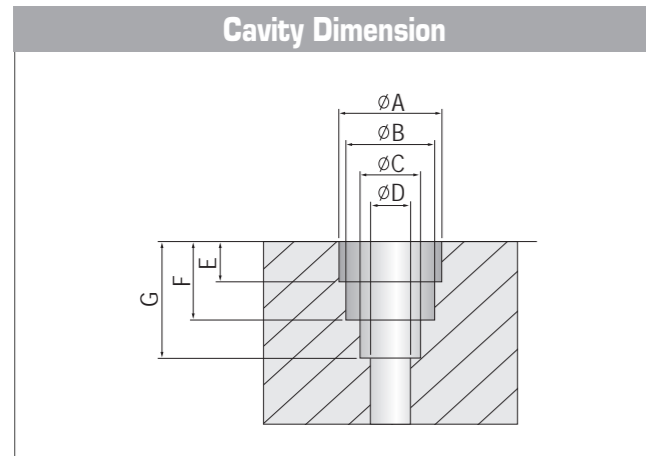
SC - Stainless Steel Cartridge



Inch size	PART NO.	Tube O.D.	Qty / 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)	Qty / 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
	SC 15M	15	500
	SC 22M	22	300

CARTRIDGES



Inch Sizes

(Unit: inch)

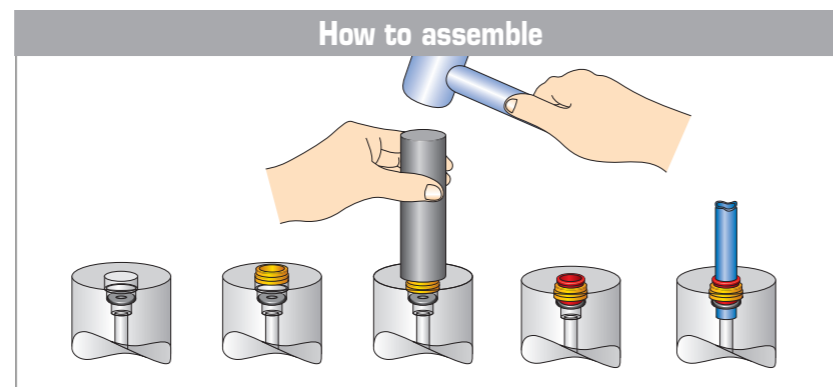
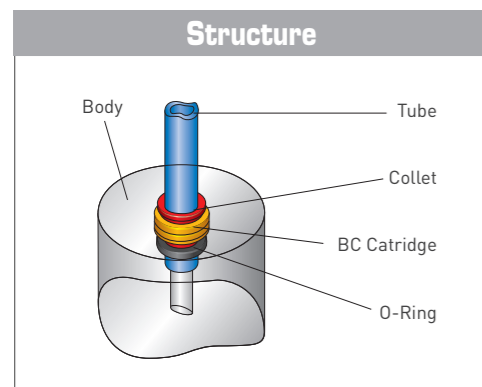
Size (Inch)	$\phi A \pm 0.002''$	$\phi B \pm 0.002''$	$\phi C \pm 0.002''$	$\phi D \pm 0.002''$	$\phi E \pm 0.01''/-0$	$\phi F1 \pm 0.006''$	$\phi F2 \pm 0.006''$	$\phi G1 \pm 0.006''$	$\phi G2 \pm 0.006''$
5/32	0.490	0.317	0.161	0.098	0.181	0.370	0.462	0.502	0.594
3/16	0.470	0.344	0.197	0.126	0.181	0.370	0.462	0.502	0.594
1/4	0.528	0.421	0.257	0.169	0.181	0.373	0.477	0.545	0.653
5/16	0.542	0.465	0.323	0.217	0.213	0.413	0.508	0.615	0.709
3/8	0.630	0.563	0.382	0.250	0.268	0.472	0.574	0.719	0.822
1/2	0.775	0.661	0.508	0.374	0.303	0.525	0.629	0.827	0.945

Metric Sizes

(Unit: mm)

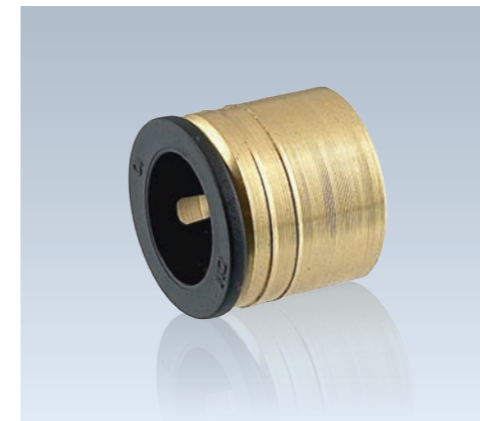
Size (mm)	$\phi A \pm 0.05$	$\phi B \pm 0.05$	$\phi C \pm 0.05$	$\phi D \pm 0.05$	$\phi E \pm 0.25/-0$	$\phi F1 \pm 0.15$	$\phi F2 \pm 0.15$	$\phi G1 \pm 0.15$	$\phi G2 \pm 0.15$
4	12.44	8.05	4.20	2.50	4.59	9.39	11.73	12.75	15.08
5	11.93	8.73	5.20	3.50	4.59	9.39	11.73	12.75	15.08
6	13.41	10.69	6.20	4.00	4.59	9.47	12.22	13.84	16.59
8	13.76	11.81	8.20	6.00	5.41	10.50	12.90	15.63	18.00
10	16.00	14.30	10.20	7.00	6.80	11.98	14.28	18.27	20.87
12	19.68	16.78	12.20	9.00	7.69	13.33	16.27	21.00	24.00
15	22.90	20.20	15.20	12.00	9.00	17.20	20.00	26.30	26.30
22	31.05	27.60	22.20	19.20	10.90	21.10	24.30	31.30	31.30

※ Double O-rings half cartridges : Columns F2 and G2



- Caution
- Tap softly with special tool standing for inserting cartridge into the Cavity. (Use the tool with flat base if you don't have any special tool for an insert cartridges)
- Please check up the breakaway a cartridge from the Cavity with pulling gently the tube inserted.

FULL CARTRIDGES

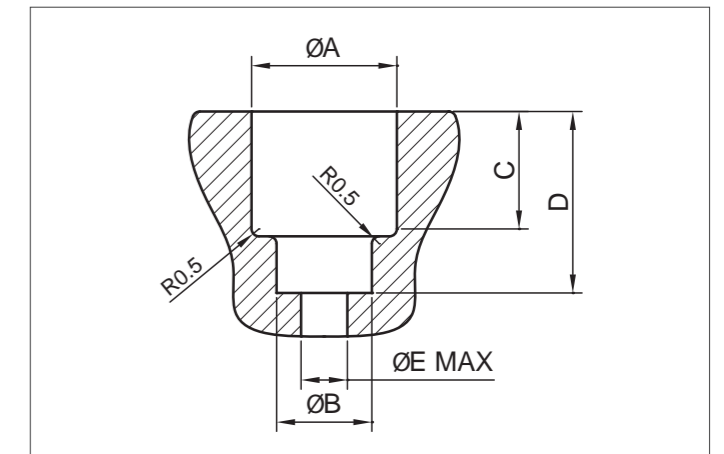
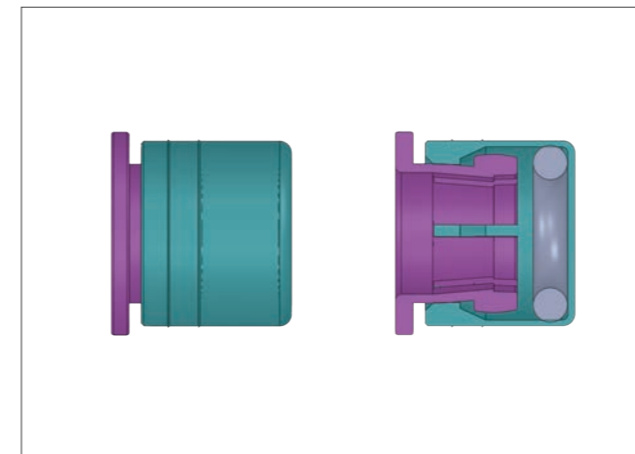


■ Features

DM full cartridges are designed to provide a saving cost and effective way to connect tubes perfectly into metallic products.
The cartridge is supplied with NBR O-ring and collet.
The cartridge are good for compressed air applications.

Please do check if your application is required an additional bonding on.
Please do refer to our plastic cartridges shown on pages 45 to 46 of this catalogue if you need to install connections into plastic products.

■ Cavity Dimensions



Metric Sizes



Size(mm)	$\phi A \pm 0.05$	$\phi B \pm 0.05$	$\phi C \pm 0.25$	$D \pm 0.15$	$\phi E MAX$
FC04M	9.12	4.20	9.30	12.65	2.75
FC05M	9.82	5.20	9.90	13.25	3.50
FC06M	11.78	6.20	11.30	15.67	4.00
FC08M	12.88	8.20	11.05	16.18	6.00
FC10M	15.38	10.20	12.40	18.69	7.00
FC12M	17.88	12.20	13.80	21.47	9.00

※ All dimensions in Metric.

ACCESSORIES

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



FBC - Flow Bend Clip



PART NO.	Tube O.D.	Qty / Box
AFBC 05	5/16	300
AFBC 06	3/8	200
AFBC 07	1/2	150

PART NO.	Tube O.D. (mm)	Qty / Box
AFBC 06M	6	400
AFBC 08M	8	300
AFBC 10M	10	200
AFBC 12M	12	150

PART NO.	Tube O.D.	Qty / Box
NFBC 08	1/2(12mm) to 5/8(15mm)	100

- FBC 08 is made from Nylon 66.
- Provides a simple method for smooth 90 degree tube bend without twist.
- Can be built into the equipment or walls with screws.

SP - Spanner



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

PSP - Power SPanner

(Nylon)



PART NO.	Tube O.D.
NPSP	5/16, 3/8

- Available in metallic spanner

Hook



PART NO.	Size (mm)	Qty / Box
AHOOK	19.5	

RA - Release Aid



PART NO.	Tube O.D.	Qty / Box
ARA 06	3/8	700
ARA 07	1/2	700
ARA 08	5/8	600
ARA 10	7/8	500

PART NO.	Tube O.D. (mm)	Qty / Box
ARA 10M	10	700
ARA 12M	12	700
ARA 12M	12	600
ARA 15M	15	600
ARA 16M	16	600
ARA 18M	18	500
ARA 22M	22	500
ARA 28M	28	500

HTC - Hand Tube Cutter

(Nylon)



PART NO.	Tube O.D. (Minimum)	Tube O.D. (Inch) (Maximum)
NHTC 08	5/32(4mm)	5/8 (16mm)

TC - Tube Cutter



PART NO.	Tube O.D.	Qty / Box
TC	MAX. DIA 1/2" or 13mm	40

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

TLC - Tube Locking Clamp

(Nylon)



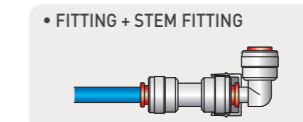
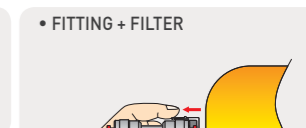
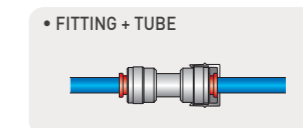
PART NO.	Tube O.D.	Qty / Box
NTLC 08	5/8(16mm)	200

EFCAP - Easy Fitting CAP



PART NO.	Tube O.D.	Qty / Box
AFCAP 04	1/4	1000

- Fittings need to be separated from the Tank and The Filter, Especially under the pressure It can offer a solution : EASY and Quick Separation by Using The Cap.



GLOBAL SALES



Head Office & Factory

143B-3L 27, Namdongdong-ro, 77beon-gil, Namdong-gu, Incheon, KOREA

TEL : +82-32-812-7311~3 FAX : +82-32-812-7314

www.dmfit.com, global@dmfit.com