

May 2015



DMfit®



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 ISO 14001

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

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

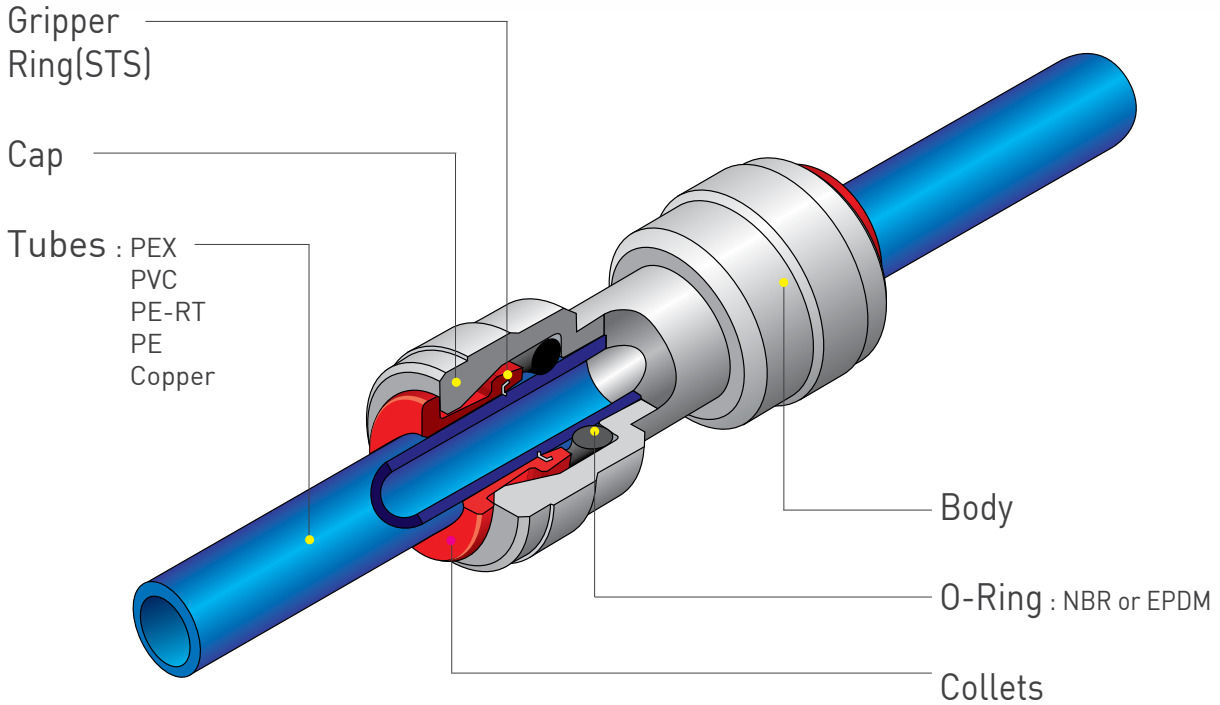
VALVE PRODUCTS

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	SIZE	Small Size						Large Size				28mm	
		5/32"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	7/8"	15mm	16mm		18mm
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	

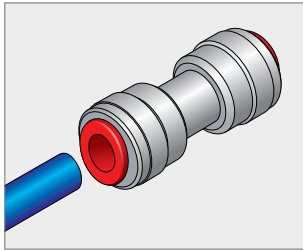
※ For use at higher temperatures or pressures, please contact your DMfit representative for assistance.

Maximum Permissible Torque

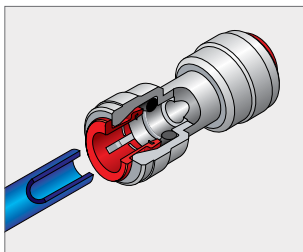
Torque		Thread		1/8", 1/4"		3/8", 1/2"		3/4"	
		1/8", 1/4"	3/8", 1/2"	3/4"					
Plastic	Maximum Torque (Nm)	1.5		3.0		4.0			
		7.0-9.0		12.0-14.0		22.0-24.0		28.0-30.0	
Steel	Maximum Torque (Nm)	7.0-9.0		12.0-14.0		22.0-24.0		28.0-30.0	
		7.0-9.0		12.0-14.0		22.0-24.0		28.0-30.0	

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

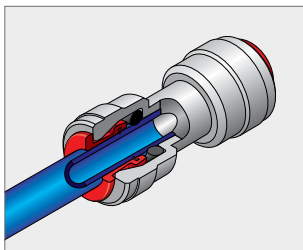
Installing DMfit Fittings



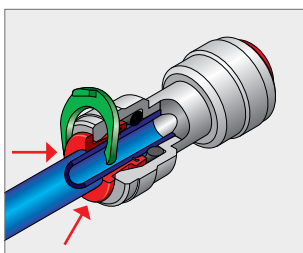
- Cut the part of the tube to be inserted into the fitting to plane the end.
- Make sure to use a clean tube without any foreign material or cracks.



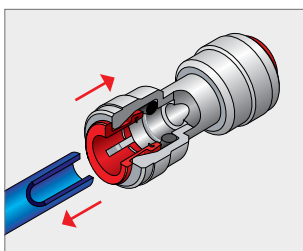
- When inserting the tube, remove any obstructions before fully inserting the tube. Make sure the tube is fully inserted.
- Inserting the tube into the fitting only takes moderate force. The tube or fitting should not be scratched or damaged in the process, as this is the main cause for water leaks later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

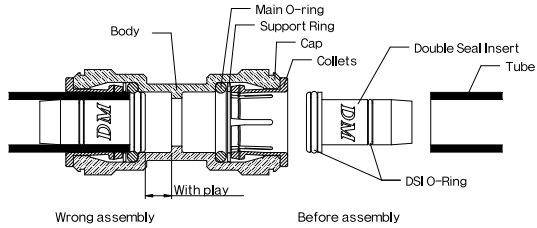
- ① Fittings are not recommended for use with liquids other than water and food or beverage products. Where fittings may be used with other chemicals contact DMT for advice.
- ② Do not disassemble or modify the individual product, as this may cause a product malfunction, leak, or failure and voids the 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. page 4)

Material Characteristics

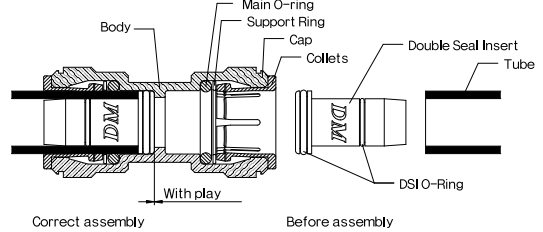
- **Acetal** : Also known as POM. Highly durable and resistant to fatigue and creep. It has high resistance to a wide range of organic & inorganic chemicals and detergents. Not recommended for use with strong acids or repeated exposure to strong oxidizers.
- **Polypropylene** : Has excellent chemical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

PUSH-IN TUBE FITTINGS

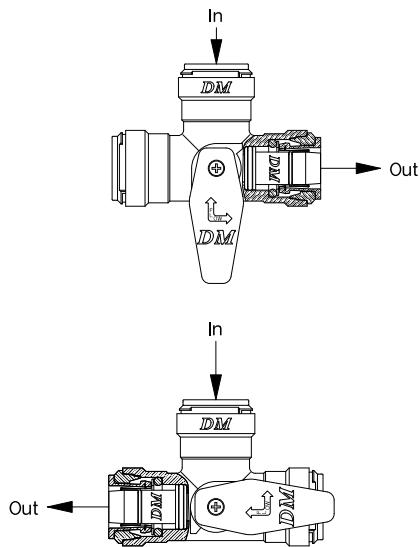
Poor DSI assembly



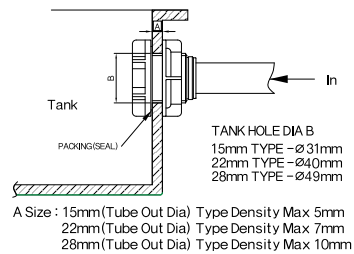
Good DSI assembly



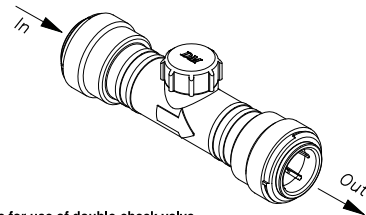
Three way valve to control direction of water flow.



Example of tank connector assembly

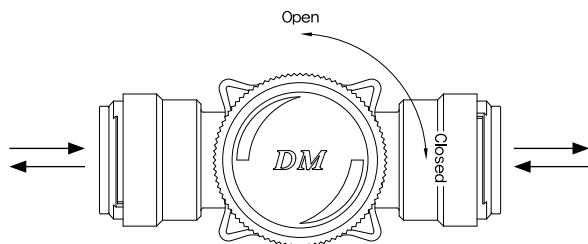


Checking force of a double check valve

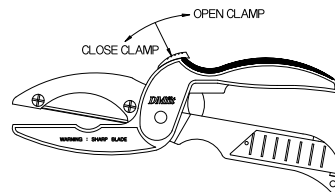


- ※ Notice for use of double-check valve
- In case of reverse pressure, the valve will withstand temporary pressure spikes of up to 10bar.

Hand valve connector

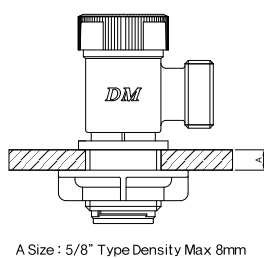


Hose cutter

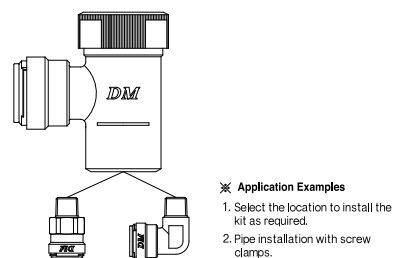


- ※ Notice for using the hose cutter
1. Be careful when using the cutter, as the blade is very sharp.
 2. When the cutter is not in use, put it in "lock" position.

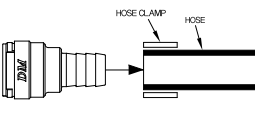
Example of Hand Wash Machine assembly



Example of Hand Valve Female Adapter assembly



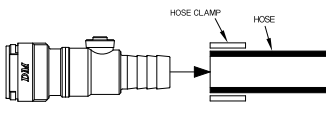
Usage and Features I



※ **Application Examples**

1. Use connected with a hose.
2. Fix the hose clamp to make sure the connector does not disengage from the hose.
3. When connecting braided hoses, use a pressed metal connector on the connecting end.

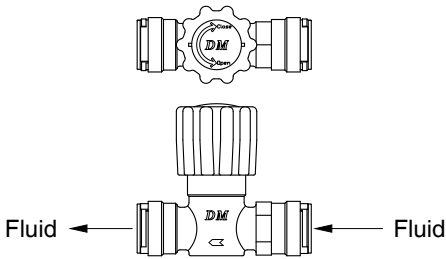
Usage and Features II



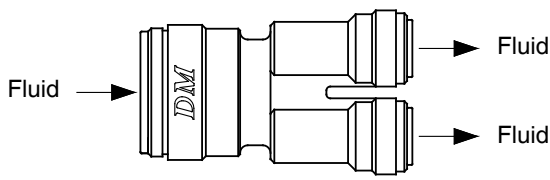
※ **Application Examples**

1. Use connected with a hose.
2. Fix the hose clamp to make sure the connector does not disengage from the hose.
3. When connecting braided hoses, use a pressed metal connector on the connecting end.
4. Water flow can be blocked with the stop valve.

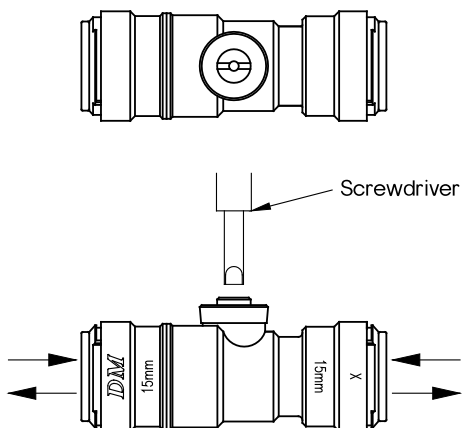
THC-Throttle Hand Valve Connector



FWC-Four Way Connector

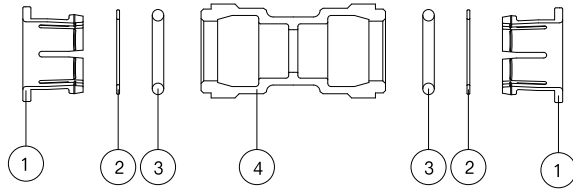


HSV-Hand Stop Valve



DMfit Fitting Standard Anatomy

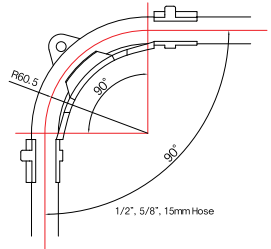
● All diagrams are based on the UC0808 product.



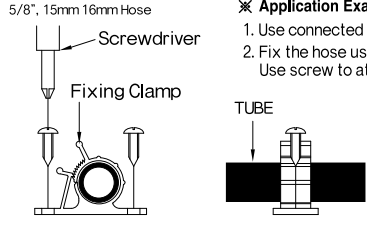
No.	Part Name	Material	Q'ty	Remark
1	Collets	Acetal	2	
2	Support Ring	Acetal	2	
3	O-ring	NBR	2	
4	Body	Acetal	1	

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

Flow Bend Clamp Assembly and Application Features



How to Connect the Locking Tube Locking



※ **Application Examples**

1. Use connected with a hose.
2. Fix the hose using the fixing clamp. Use screw to attach the product to a wall.

ACETAL FITTINGS (WHITE / 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 :** White Acetal Copolymer

MC - Male Connector



PART NO.	Tube O.D.	NPTF Thread	
		NPTF Thread	Qty / 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	400
AMC 0404W	1/4	1/4	350
AMC 0406W	1/4	3/8	300
AMC 0407W	1/4	1/2	150
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	250
AMC 0607W	3/8	1/2	200
AMC 0706W	1/2	3/8	200
AMC 0707W	1/2	1/2	150
AMC 0806W	5/8	3/8	80
AMC 0807W	5/8	1/2	80
AMC 1009W	7/8	3/4	40
AMC 1011W	7/8	1	40

MCB - Male Connector



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

ME - Male Elbow



PART NO.	Tube O.D.	NPTF Thread	
		NPTF Thread	Qty / Box
AME 0302W	3/16	1/8	500
AME 0402W	1/4	1/8	500
AME 0404W	1/4	1/4	350
AME 0406W	1/4	3/8	300
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
AME 0806W	5/8	3/8	80
AME 0807W	5/8	1/2	40

EU - Elbow Union



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
AEU 0303W	3/16	3/16	700
AEU 0404W	1/4	1/4	350
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	300
AEU 0603W	3/8	3/16	200
AEU 0604W	3/8	1/4	200
AEU 0605W	3/8	5/16	200
AEU 0606W	3/8	3/8	200
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
AEU 0808W	5/8	5/8	100
AEU 1008W	7/8	5/8	50
AEU 1010W	7/8	7/8	50

TU - Tee Union



PART NO.	Tube O.D. (A)	Tube O.D. (B)	Tube O.D. (C)	Qty / Box
ATU 010101W	5/32	5/32	5/32	350
ATU 030303W	3/16	3/16	3/16	350
ATU 040404W	1/4	1/4	1/4	300
ATU 050505W	5/16	5/16	5/16	200
ATU 060604W	3/8	3/8	1/4	150
ATU 060606W	3/8	3/8	3/8	150
ATU 070706W	1/2	1/2	3/8	100
ATU 070707W	1/2	1/2	1/2	100
ATU 080804W	5/8	5/8	1/4	50
ATU 080807W	5/8	5/8	1/2	50
ATU 080808W	5/8	5/8	5/8	40
ATU 080810W	5/8	5/8	7/8	40
ATU 100810W	7/8	5/8	7/8	30
ATU 101008W	7/8	7/8	5/8	30
ATU 100808W	7/8	5/8	5/8	40
ATU 101010W	7/8	7/8	7/8	30

TU - Tube Tee Union connector



PART NO.	Tube O.D.	Tube O.D.	Stem O.D.	Qty / Box
ATTU 080808W	5/8	5/8	5/8	50

FAB - Female Adapter

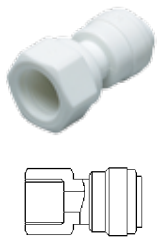
BSP(P) Thread (Cone Type)



PART NO.	Tube O.D.	BSP(P) Thread	Qty / Box
AFAB 0406CW	1/4	3/8	250
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
AFAB 0708CW	1/2	5/8	150

FA - Female Adapter

NPTF Thread



PART NO.	Tube O.D.	NPTF Thread	Qty / Box
AFA 0402W	1/4	1/8	400
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
AFA 0807W	5/8	1/2	100
AFA 0809W	5/8	3/4	100
AFA 1009W	7/8	3/4	50
AFA 1011W	7/8	1	40

FAB - Female Adapter

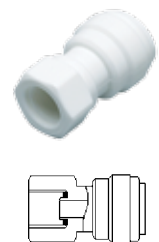
BSP(P) Thread (Flat Type)



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

FAUF - Female Adapter

UNF Thread (Cone Type)



PART NO.	Tube O.D.	UNF Thread	Qty / Box
AFAUF 04 7/16CW	1/4	7/16 - 20	400
AFAUF 05 7/16CW	5/16	7/16 - 20	350
AFAUF 06 7/16CW	3/8	7/16 - 20	300

FAU - Female Adapter

UNS Thread (Cone Type)



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

FAUF - Female Adapter

UNF Thread (V - Type)



PART NO.	Tube O.D.	UNF Thread	Qty / Box
AFAUF 04 7/16VW	1/4	7/16 - 20	400
AFAUF 05 7/16VW	5/16	7/16 - 20	300
AFAUF 06 7/16VW	3/8	7/16 - 20	300
AFAUF 06 5/8VW	3/8	5/8 - 18	350

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

FAUN - Female Adapter

UN Thread (V - Type)



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

ACETAL FITTINGS (WHITE / INCH)

HA - Hub Adapter



NPSH Thread

PART NO.	Tube O.D.	NPSH Thread	Qty / Box
AHA 1011W	7/8	1	400

DA - Drain Adapter



NPSH Thread

PART NO.	Tube O.D.	NPSH Thread	Qty / Box
ADA 0809W	5/8	3/4	50

SA - Stem Adapter



NPTF Thread

PART NO.	Stem O.D.	NPTF Thread	Qty / 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	300
ASA 0606W	3/8	3/8	300
ASA 0706W	1/2	3/8	250
ASA 0707W	1/2	1/2	150

BU - Bulkhead Union



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

SABT - Stem Adapter



BSPT(PT) Thread

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

CR - CRoss



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

THWD - THree Way Divider



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

UC - Union Connector



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
AUC 0101W	5/32	5/32	500
AUC 0303W	3/16	3/16	500
AUC 0404W	1/4	1/4	350
AUC 0501W	5/16	5/32	400
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
AUC 067.5W	3/8	7.5 (mm)	250
AUC 0807W	5/8	1/2	100
AUC 0808W	5/8	5/8	100
AUC 1008W	7/8	5/8	50
AUC 1010W	7/8	7/8	50

TEU - Tube Elbow Union



PART NO.	Tube O.D.	Stem O.D.	Qty / Box
ATEU 0101W	5/32	5/32	800
ATEU 0303W	3/16	3/16	600
ATEU 0306W	3/16	3/8	500
ATEU 0404W	1/4	1/4	500
ATEU 0406W	1/4	3/8	400
ATEU 0505W	5/16	5/16	350
ATEU 0506W	5/16	3/8	350
ATEU 0606W	3/8	3/8	250
ATEU 0607W	3/8	1/2	200
ATEU 0707W	1/2	1/2	150
ATEU 0808W	5/8	5/8	50
ATEU 1010W	7/8	7/8	50

TES - Tube End Stop



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

PL - PLug



PART NO.	Stem O.D.	Qty / 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
APL 08W	5/8	200
APL 10W	7/8	100

SUC - Swivel Union Connector

BSP(P) Thread



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

SEU - Swivel Elbow Union

BSP(P) Thread



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

TWD - Two Way Divider



PART NO.	Tube in	Tube out	Qty / 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

KFA - Kitchen Faucet Adapter

NPSM Thread



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

- For installing undercounter filters & RO systems



UB - U Bend



PART NO.	Tube O.D.	Tube O.D.	Qty / 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
AUB 0808W	5/8	5/8	60
AUB 1010W	7/8	7/8	40

SVA - Stop Valve Adapter

UNEf Thread



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

- For an undercounter filter systems

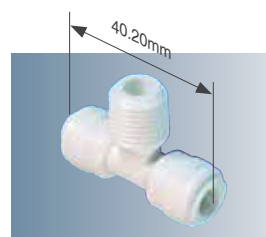


MTU - Male Tee Union

NPTF Thread



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



ACETAL FITTINGS (WHITE / INCH)

BBC - BarB Connector



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

RD - ReDucer

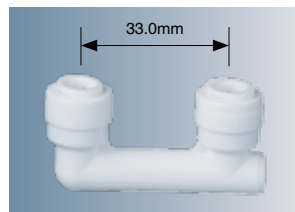


PART NO.	Tube O.D.	Stem O.D.	Qty / Box
ARD 0104W	5/32	1/4	800
ARD 0305W	3/16	5/16	700
ARD 0306W	3/16	3/8	600
ARD 0405W	1/4	5/16	700
ARD 0406W	1/4	3/8	500
ARD 0408W	1/4	5/8	300
ARD 0506W	5/16	3/8	400
ARD 0507W	5/16	1/2	300
ARD 0607W	3/8	1/2	300

FC - Filter Connector



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



EL - EnLarger



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

BFU - Both Female Union



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

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.

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

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

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

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

HTC - Hand Tube Cutter

(Nylon)



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

PSP - Power SPanner

(Nylon)



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

- Available in metallic spanner

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.

Hook



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

TLC - Tube Locking Clamp

(Nylon)



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

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

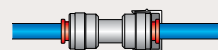
EFCAP - Easy Fitting CAP



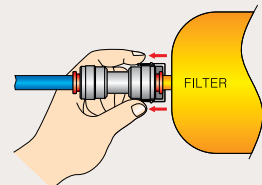
PART NO.	Tube O.D.	Qty / Box
AEFCAP 04	1/4	1000

- 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.

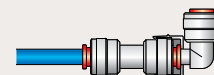
• FITTING + TUBE



• FITTING + FILTER



• FITTING + STEM FITTING



CHEMICAL COMPATIBILITY TABLES

DMfi[®] has excellent resistance to exposure to organic compounds, industrial chemicals, and gases.

■ Resistance of chemical characteristics for plastic resins & elastomers.

Description (% , °C)	Brass	SUS	Resin		Rubber	
			Acetal	PP	NBR	EPDM
Caustic soda(10%, 20°C)	△	△	◎	○	○	◎
Gasoline	○	○	◎	△	◎	×
Formic acid(25%, 20°C)	×	△	×	◎	○	◎
Air	◎	◎	◎	◎	◎	◎
Mineral oil	○	○	◎	○	◎	×
Grease	○	◎	◎	△	◎	×
Sodium silicate	○	-	◎	◎	◎	◎
Glycerin	○	◎	◎	◎	◎	◎
Ozone	○	○	△	△	○	◎
Animal 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	-	-	○	×	◎	×
Soda ash(Sodium carbonate)	○	△	◎	◎	◎	◎
Calcium hydroxide	△	△	◎	○	◎	◎
Hydrogen	△	◎	◎	◎	◎	◎
Mercury	×	-	-	◎	◎	◎
Steam(150°C)	○	-	△	×	×	◎
Sodium cyanide	×	-	-	-	◎	◎
Vegetable oil	-	-	○	○	◎	◎
Silicone greases	-	-	◎	△	◎	◎
Silicone oil	-	-	◎	△	◎	◎
Acetone	◎	△	○	△	×	◎
Sulfurous acid gas	-	-	△	○	○	◎
Ammonia	△	◎	○	○	◎	◎
Liquefied petroleum gas(LPG)	◎	◎	◎	○	◎	×
Ethyl alcohol(Ethanol)	◎	○	◎	○	◎	◎
Lye solution	-	-	◎	○	○	◎
Hydrochloric acid(10%, 20°C)	×	×	○	◎	-	-
Hydrochloric acid(20%, 20°C)	×	×	△	○	-	-
Hydrochloric acid(20%, 80°C)	×	×	×	×	×	△
Hydrochloric acid(38%, 20°C)	×	×	△	○	○	◎
Ammonium chloride	×	△	○	◎	◎	◎
Calcium chloride	○	△	◎	◎	◎	◎
Naphtha	△	○	◎	△	△	×
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	×	○	○	◎	◎	◎
Potassium sulfate	○	△	○	◎	◎	◎
Hydrogen sulfide	△	△	○	◎	×	◎

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

■ Resistance of chemical characteristics for Tube.

Name of chemical	Polyethylene	Remarks	Name of chemicals	Polyethylene	Remarks
Air	◎		Hexane	△	
Alcohol	◎		Hydrogen gas	◎	
Ammonia gas	◎		Lighting gas	△	
Ammonia liquid	○	high temperature△	Mercury	◎	
Beer	◎		Methanol (Methyl Alcohol)	◎	
Benzene	△		Milk	◎	
Bromine liquid	×		Molasses	◎	
Carbon dioxide gas	○		Nickel salts	◎	
Caustic soda	○		Oils, essential	△	
Diesel fuel	△		Propane gas	△	
Ethyl alcohol	○	high temperature△	Spindle Oil	△	
Fluor gas, dry	×		Water, high-purity	◎	
Fuel Oil	△				

※ : Very acceptable, ○: Acceptable, △: Slightly unacceptable, ×: Very unacceptable

※ Differences in data can exist due to extended duration and elevated temperature (Standard data reflects use at ambient temperature.)

※ Consult our representative when using unsuitable liquids.

GLOBAL SALES

