

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.





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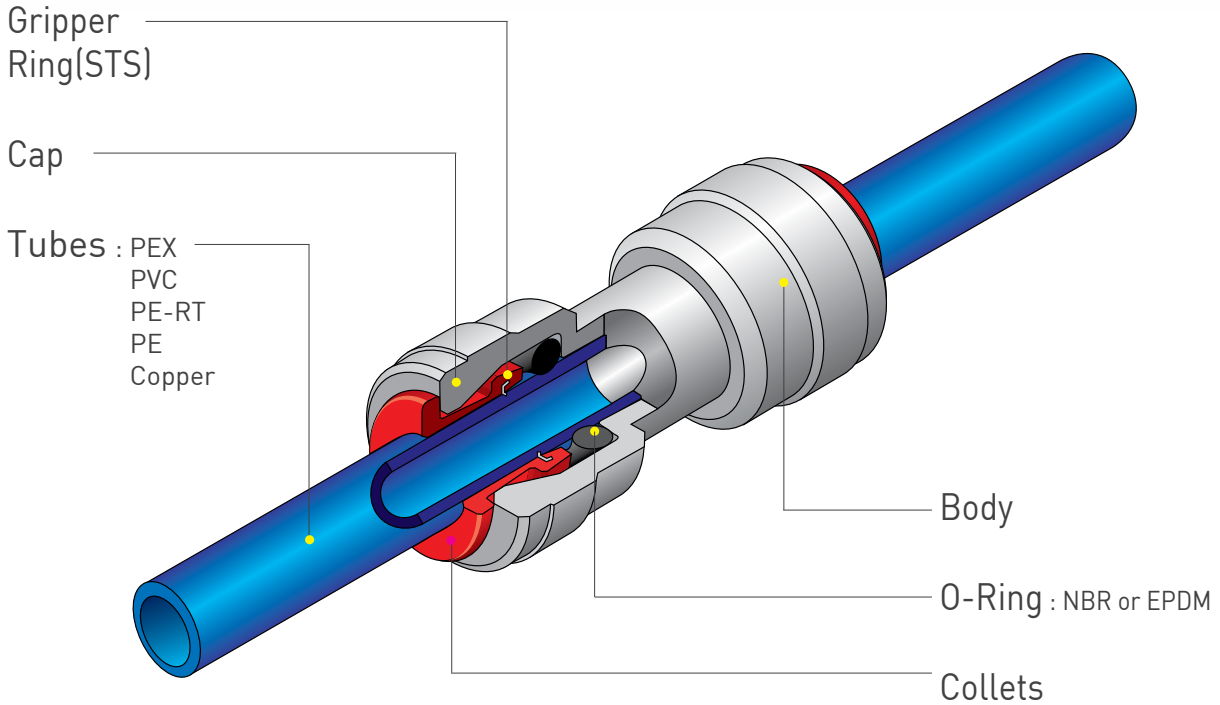
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PUSH-IN TUBE FITTINGS



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

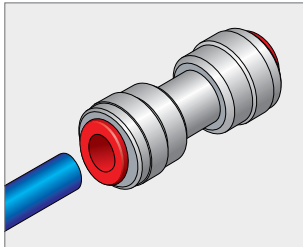
※ For use at higher temperatures or pressures, please contact your DMfit representative for assistance.

Maximum Permissible Torque

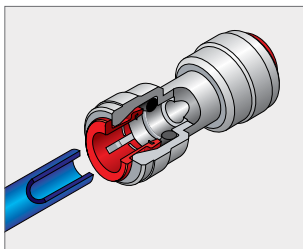
Torque	Thread		1/8", 1/4"		3/8", 1/2"		3/4"	
	Plastic	Steel	Maximum Torque (Nm)	Maximum Torque (Nm)	Maximum Torque (Nm)	Maximum Torque (Nm)	Maximum Torque (Nm)	Maximum Torque (Nm)
Plastic	Maximum Torque (Nm)	1.5	3.0	4.0				
Steel	Maximum Torque (Nm)	7.0-9.0	12.0-14.0	22.0-24.0	28.0-30.0	40.0		

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

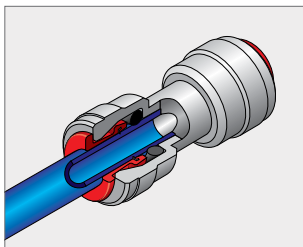
Installing DMfit Fittings



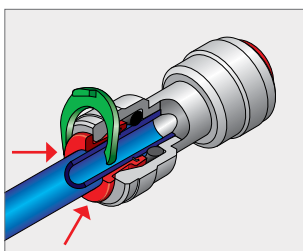
- Cut the part of the tube to be inserted into the fitting to plane the end.
- Make sure to use a clean tube without any foreign material or cracks.



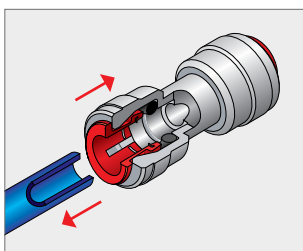
- When inserting the tube, remove any obstructions before fully inserting the tube. Make sure the tube is fully inserted.
- Inserting the tube into the fitting only takes moderate force. The tube or fitting should not be scratched or damaged in the process, as this is the main cause for water leaks later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



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



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



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

Terms and Conditions

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

⚠ Warnings and Precautions

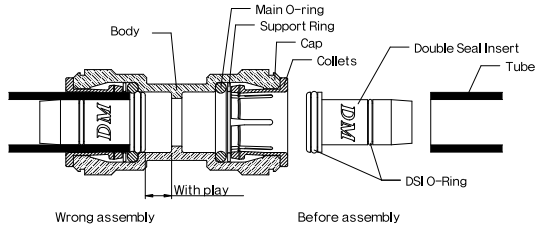
- ① Fittings are not recommended for use with liquids other than water and food or beverage products. Where fittings may be used with other chemicals contact DMT for advice.
- ② Do not disassemble or modify the individual product, as this may cause a product malfunction, leak, or failure and voids the product warranty.
- ③ Do not over-stress the fitting by rotation, twist, bending, shock, fatigue, or other excess force. This may damage the fitting and cause malfunction, leak, or failure and voids the product warranty.
- ④ Do not use the product where ambient temperature or fluid temperature may exceed 65°C (150°F) in domestic environment Food & Drink, Industrial Pneumatic. This may damage the fitting and cause malfunction, leak, or failure.
- ⑤ Do not use pipe dope or other liquid thread sealers. Use only Teflon tape to seal threaded connections.
- ⑥ If your plumbed line is used as an electrical ground, you must use a jumper wire to provide continuity across plastic fittings and tubing.
- ⑦ Never press collets toward the body unless attempting to separate tubing from a fitting in an unpressurized line. The use of the DMfit® 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

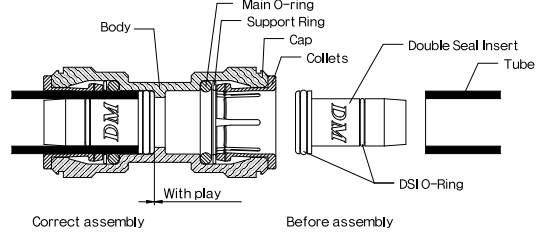
- **Acetal** : Also known as POM. Highly durable and resistant to fatigue and creep. It has high resistance to a wide range of organic & inorganic chemicals and detergents. Not recommended for use with strong acids or repeated exposure to strong oxidizers.
- **Polypropylene** : Has excellent chemical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

PUSH-IN TUBE FITTINGS

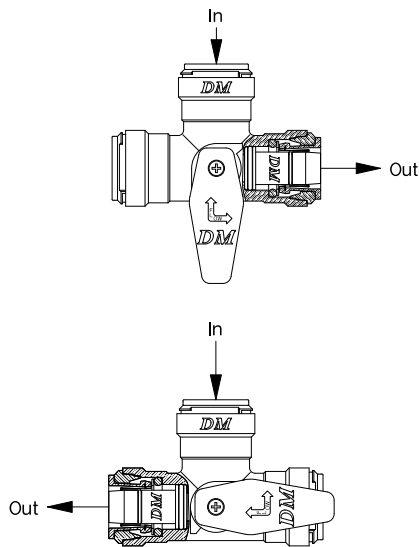
Poor DSI assembly



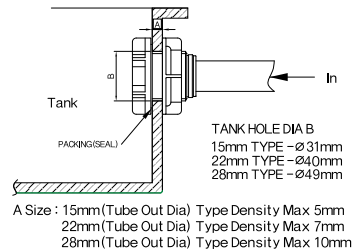
Good DSI assembly



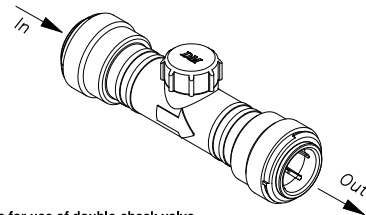
Three way valve to control direction of water flow.



Example of tank connector assembly

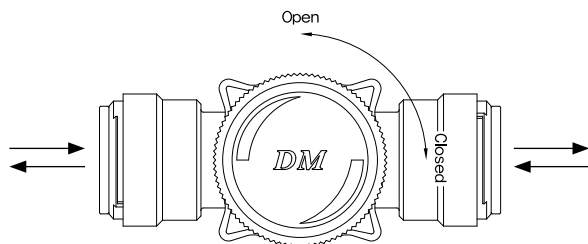


Checking force of a double check valve

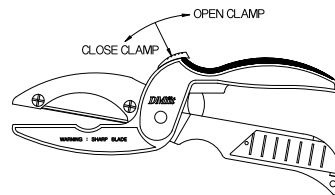


- ※ Notice for use of double-check valve
- In case of reverse pressure, the valve will withstand temporary pressure spikes of up to 10bar.

Hand valve connector

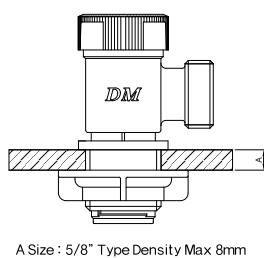


Hose cutter

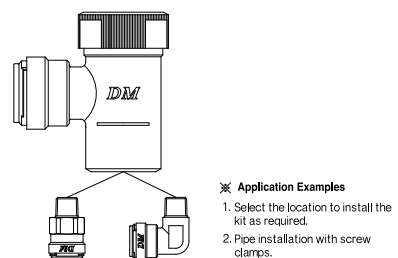


- ※ Notice for using the hose cutter
1. Be careful when using the cutter, as the blade is very sharp.
 2. When the cutter is not in use, put it in "lock" position.

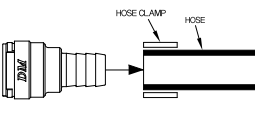
Example of Hand Wash Machine assembly



Example of Hand Valve Female Adapter assembly



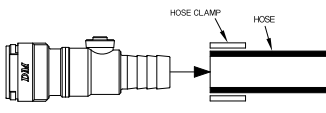
Usage and Features I



※ **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.

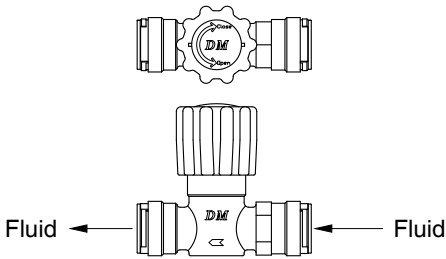
Usage and Features II



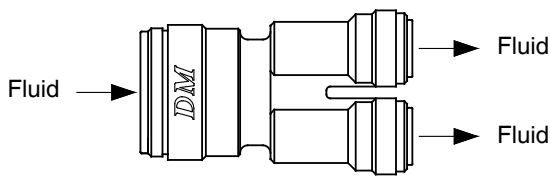
※ **Application Examples**

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.

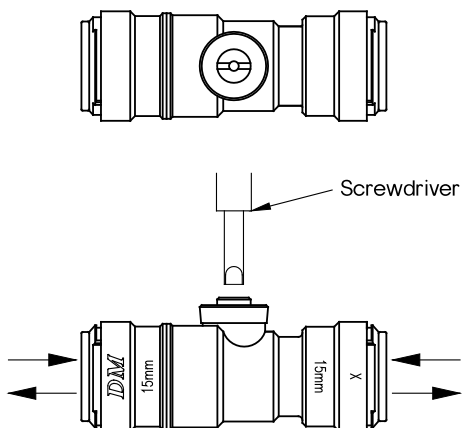
THC-Throttle Hand Valve Connector



FWC-Four Way Connector

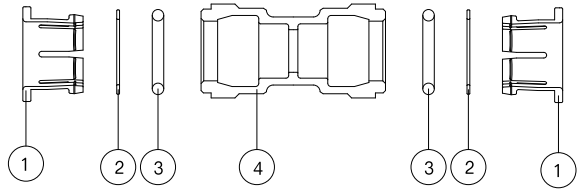


HSV-Hand Stop Valve



DMfit Fitting Standard Anatomy

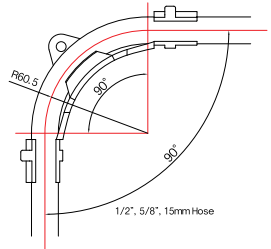
● All diagrams are based on the UC0808 product.



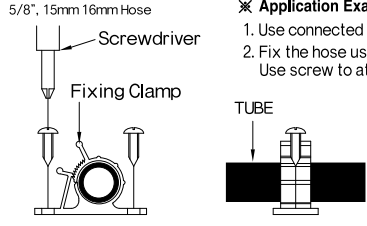
No.	Part Name	Material	Q'ty	Remark
1	Collets	Acetal	2	
2	Support Ring	Acetal	2	
3	O-ring	NBR	2	
4	Body	Acetal	1	

■ 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.

POLYPROPYLENE 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.
- **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.

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



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

New

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

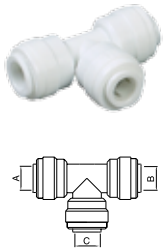
EU - Elbow Union



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)

TU - Tee Union



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

TTU - Tube Tee Union connector



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

New

FAB - Female Adapter

BSP(P) Thread (Cone Type)

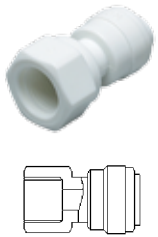


PART NO.	Tube O.D.	BSP(P) Thread	Qty / Box
PFAB 0406CW	1/4	3/8	250
PFAB 0407CW	1/4	1/2	200
PFAB 0506CW	5/16	3/8	200
PFAB 0507CW	5/16	1/2	200
PFAB 0606CW	3/8	3/8	200
PFAB 0607CW	3/8	1/2	200
PFAB 0608CW	3/8	5/8	150
PFAB 0708CW	1/2	5/8	150

New

FA - Female Adapter

NPTF Thread



PART NO.	Tube O.D.	NPTF Thread	Qty / Box
PFA 0402W	1/4	1/8	400
PFA 0404W	1/4	1/4	400
PFA 0502W	5/16	1/8	300
PFA 0504W	5/16	1/4	300
PFA 0602W	3/8	1/8	300
PFA 0604W	3/8	1/4	300
PFA 0807W	5/8	1/2	100
PFA 0809W	5/8	3/4	100
PFA 1009W	7/8	3/4	50
PFA 1011W	7/8	1	40

New

FAB - Female Adapter

BSP(P) Thread (Flat Type)



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

New

FAUF - Female Adapter

UNF Thread (Cone Type)



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

New

FAU - Female Adapter

UNS Thread (Cone Type)



PART NO.	Tube O.D.	UNS Thread	Qty / Box
PFAU 04 7/16CW	1/4	7/16 - 24	400
PFAU 05 7/16CW	5/16	7/16 - 24	350
PFAU 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
PFAUF 04 7/16VW	1/4	7/16 - 20	400
PFAUF 05 7/16VW	5/16	7/16 - 20	300
PFAUF 06 7/16VW	3/8	7/16 - 20	300
PFAUF 06 5/8VW	3/8	5/8 - 18	350

New

FAUN - Female Adapter

UN Thread (V - Type)



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

New

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

HA - Hub Adapter



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

New

DA - Drain Adapter



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

New

SA - Stem Adapter



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

BU - Bulkhead Union



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

New

SABT - Stem Adapter



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

New

CR - CRoss



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

New

THWD - THree Way Divider



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

New

UC - Union Connector



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
			Qty / Box
PUC 0101W	5/32	5/32	500
PUC 0303W	3/16	3/16	500
PUC 0404W	1/4	1/4	350
PUC 0501W	5/16	5/32	400
PUC 0503W	5/16	3/16	400
PUC 0504W	5/16	1/4	300
PUC 0505W	5/16	5/16	300
PUC 0603W	3/8	3/16	300
PUC 0604W	3/8	1/4	250
PUC 0605W	3/8	5/16	250
PUC 0606W	3/8	3/8	250
PUC 0705W	1/2	5/16	200
PUC 0706W	1/2	3/8	200
PUC 0707W	1/2	1/2	150
PUC 067.5W	3/8	7.5 (mm)	250
PUC 0807W	5/8	1/2	100
PUC 0808W	5/8	5/8	100
PUC 1008W	7/8	5/8	50
PUC 1010W	7/8	7/8	50

TEU - Tube Elbow Union



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



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



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



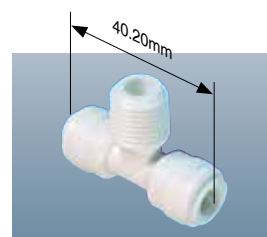
MTU - Male Tee Union

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



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

New

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

New

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

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

New

POLYPROPYLENE 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.
- **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.

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



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

New

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

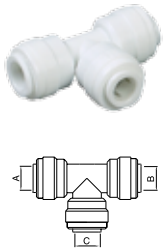
EU - Elbow Union



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)

TU - Tee Union



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

TTU - Tube Tee Union connector



PART NO.	Tube O.D.	Tube O.D.	Stem O.D.	Qty / Box
PTTU 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
PFAB 0406CW	1/4	3/8	250
PFAB 0407CW	1/4	1/2	200
PFAB 0506CW	5/16	3/8	200
PFAB 0507CW	5/16	1/2	200
PFAB 0606CW	3/8	3/8	200
PFAB 0607CW	3/8	1/2	200
PFAB 0608CW	3/8	5/8	150
PFAB 0708CW	1/2	5/8	150

FA - Female Adapter



NPTF Thread

PART NO.	Tube O.D.	NPTF Thread	Qty / Box
PFA 0402W	1/4	1/8	400
PFA 0404W	1/4	1/4	400
PFA 0502W	5/16	1/8	300
PFA 0504W	5/16	1/4	300
PFA 0602W	3/8	1/8	300
PFA 0604W	3/8	1/4	300
PFA 0807W	5/8	1/2	100
PFA 0809W	5/8	3/4	100
PFA 1009W	7/8	3/4	50
PFA 1011W	7/8	1	40

FAB - Female Adapter



BSP(P) Thread (Flat Type)

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

FAUF - Female Adapter



UNF Thread (Cone Type)

PART NO.	Tube O.D.	UNF Thread	Qty / Box
PFAUF 04 7/16CW	1/4	7/16 - 20	400
PFAUF 05 7/16CW	5/16	7/16 - 20	350
PFAUF 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
PFAU 04 7/16CW	1/4	7/16 - 24	400
PFAU 05 7/16CW	5/16	7/16 - 24	350
PFAU 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
PFAUF 04 7/16VW	1/4	7/16 - 20	400
PFAUF 05 7/16VW	5/16	7/16 - 20	300
PFAUF 06 7/16VW	3/8	7/16 - 20	300
PFAUF 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
PFAUN 05 1/2VW	5/16	1/2 - 16	350
PFAUN 06 1/2VW	3/8	1/2 - 16	200
PFAUN 07 1/2VW	1/2	1/2 - 16	150

HA - Hub Adapter



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

New

DA - Drain Adapter



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

New

SA - Stem Adapter



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

BU - Bulkhead Union



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

New

SABT - Stem Adapter



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

New

CR - CRoss



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

New

THWD - THree Way Divider



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

New

UC - Union Connector



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
			Qty / Box
PUC 0101W	5/32	5/32	500
PUC 0303W	3/16	3/16	500
PUC 0404W	1/4	1/4	350
PUC 0501W	5/16	5/32	400
PUC 0503W	5/16	3/16	400
PUC 0504W	5/16	1/4	300
PUC 0505W	5/16	5/16	300
PUC 0603W	3/8	3/16	300
PUC 0604W	3/8	1/4	250
PUC 0605W	3/8	5/16	250
PUC 0606W	3/8	3/8	250
PUC 0705W	1/2	5/16	200
PUC 0706W	1/2	3/8	200
PUC 0707W	1/2	1/2	150
PUC 067.5W	3/8	7.5 (mm)	250
PUC 0807W	5/8	1/2	100
PUC 0808W	5/8	5/8	100
PUC 1008W	7/8	5/8	50
PUC 1010W	7/8	7/8	50

TEU - Tube Elbow Union



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



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



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



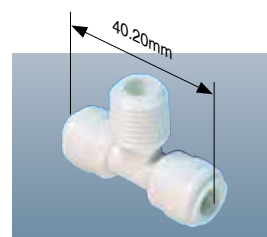
MTU - Male Tee Union

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



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

New

STOP VALVE ADAPTOR _ Hand Tighen



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

New

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

FAUCET VALVE ADAPTOR _ Hand Tighen



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

New

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

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

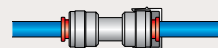
EFCAP - Easy Fitting CAP



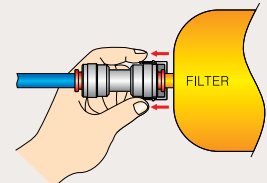
PART NO.	Tube O.D.	Qty / Box
AEFCAP 04	1/4	1000

- 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.

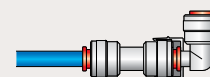
• FITTING + TUBE



• 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

