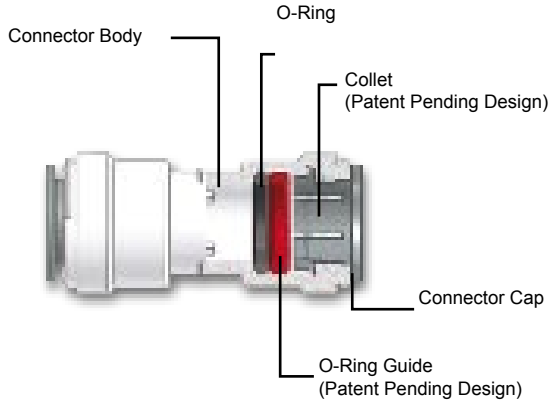
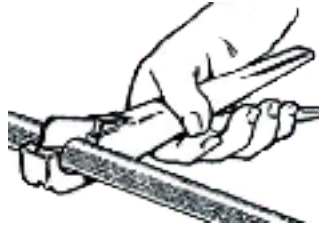


CATALOG USMetrix[®]QC

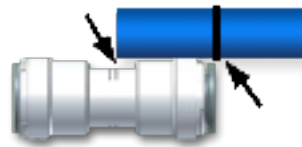
USMetrixQC is a Quick Connect Manifold system for warm and cold running water, and central heating systems.



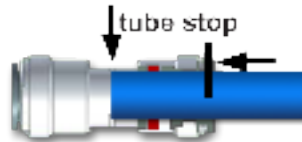
EASY AND QUICK INSTALATION



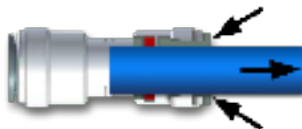
Cut the tubing to length using the Sea Tech tubing cutter or similar. Inspect the outside diameter of the tubing. It must be free of damage, smooth, and clean.



Measure the insertion depth on the tubing end. Sea Tech connectors have an insertion depth line molded onto the outside of the connector bodies.



Make certain to push the tubing completely into the connector until it comes into contact with the internal tubing stop.



To disconnect ensure the system is depressurized before removing connectors. Push the collet in squarely against the face of the fitting. With the collet held in this position, the tubing can be removed. The connectors can then be re-used.

MATERIAL SPECIFICATIONS

material	color	O-Ring
Polysulfone - High Performance Thermal Plastic	Off White	EPDM

FITTING PERFORMANCE RATINGS

100psi@180°F	250psi@75°F
6.8bar@82°C	17.25bar@24°C

THREAD TORQUE VALUES

Size	1/2"
Torque Value	Min. 2.01 Nm Max. 3.02 Nm

TUBING TOLERANCES

Tolerance	+0.004" ~ 0.004" O.D. +.010mm ~ -.010mm O.D.
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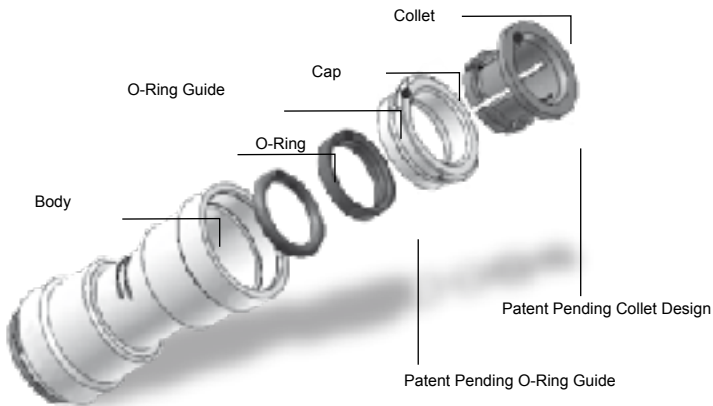
Tubing should be supported at a minimum of 36" to prevent excessive load to the connectors. Do not install tubing supports closer than 3 inches from the connector ends.

CAUTION!

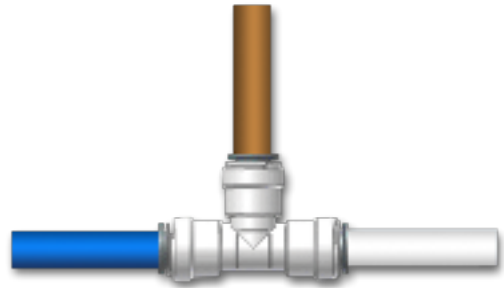
Do not use with explosive gases, petroleum products or other fuels.

EXCELLENT ZERO-LEAK CONNECTIONS

The new quick connect systems are very reliable and durable, due to the special design of the o-ring systems and their reliable accessories.



CONNECT TO MULTIPLE MATERIALS!



The quick connect systems we offer can be applied with other tubing systems, made from such materials as: PEX, LDPE, PE, MDPE and HDPE

ROTATES UNDER PRESSURE!



Unique construction protects the tubing's connectors, which allows the problem free installation of the system in places where there is high vibration, or where the water system requires flexibility during work time under pressure.

QUALITY & RELIABLE FUNCTION

The USMetrixQC quick connect system was created with many years reliable service life in mind. The system's products are designed and manufactured in Polysulfone, a high performance, resistant thermal plastic material. All products possess the certificates of quality NSF-61, NSF-14, CSA B137.5, and ASTM, and comply with the standards of the Uniform Plumbing Code [U.P. Code]. Accordingly, the dimensions are given in inches. The USMetrixQC quick connect system can be easily and quickly installed without the use of any specialist tools. You simply have to cut the plastic or copper tubing and snap the fitting in place for a zero-leak connection.

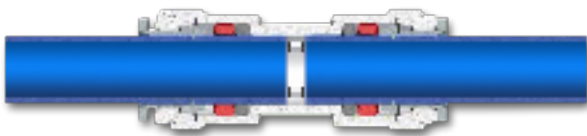
Tubing Performance Rating

Operating Pressure: Vacuum to 250psi

Max Temperature :82OC @ 6.9 bar / 24OC @ 17.5 bar

The system consists of elbows, extensions and tees, which prevent small, useless pieces of the previously cut tubing from getting into the system.

HIGHEST FLOW



The perfectly smooth insides of USMetrixQC connectors ensure an increase of nearly 30% in the water flow rate, and prevent the build-up of contaminants inside the tubing.

CREATE MINI-MANIFOLDS!




USMetrixQC quick connectors are used for tubing with a diameter of 16mm. Matching and fitting USMetrixQC quick connectors is very easy – you only have to insert the end of the tubing into the connector without the need of special tools. It is also possible to connect directly all the connectors with each other, which improves the connections of a complicated installation.

Cat. no.	 size
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TEE		
	QC3523-10	16mm x 16mm x 16mm
TEE MIP		
	QC3530-1008	16mm x 1/2" MIP x 16mm
ELBOW 90°		
	QC3517-10	16mm x 16mm
STACKABLE TEE		
	QC3533-10	stack x 16mm x 16mm
DROP EAR ELBOW FIP		
	QC3521-1008	16mm x 1/2" FIP
CONNECTOR		
	QC3515-10	16mm x 16mm
ELBOW 90° FIP		
	QC3520-1008	16mm x 1/2" FIP
	QC3520-1012	16mm x 3/4" FIP
CONNECTOR-FIP		

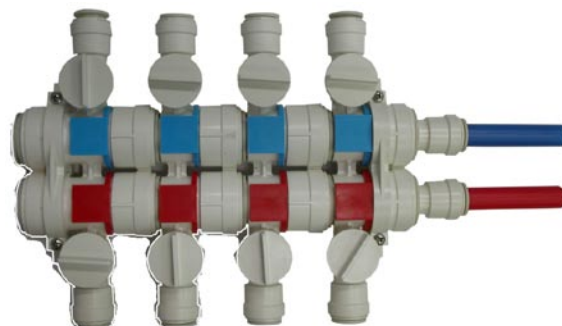
	QC3510-1008	16mm x 1/2" FIP
	QC3510-1012	16mm x 3/4" FIP
ELBOW 90° MIP		
	QC3519-1008	16mmx1/2" MIP
CONNECTOR-MIP		
	QC3501-1008	16mm x 1/2" MIP
	QC3510-1012	16mm x 3/4" MIP
STACKABLE VALVE		
	QC3543-10	stack x16mm
COLLET CLIP		
	QC3547-10	16mm
O-RING ASSEMBLY		
	QC159-35	16mm
STEM (BRASS) MIP		
	QCM1612	16mm x 1/2" MIP
	QCM1634	16mm x 3/4" MIP
	QCM161	16mm x 1" MIP
	QCM2812	28,45mm x 1/2" MIP
	QCM2834	28,45mm x 3/4" MIP
	QCM281	28,45mm x 1" MIP







STEM (BRASS) FIP		
	QCF1612	16mm x 1/2" FIP
	QCF1634	16mm x 3/4" FIP
	QCF161	16mm x 1" GW
	QCF2812	28,45mm x 1/2" FIP
	QCF2834	28,45mm x 3/4" FIP
	QCF281	28,45mm x 1" FIP

CONE SEAL		
	QCF161-08	

MANIFOLDS AND ACCESSORIES

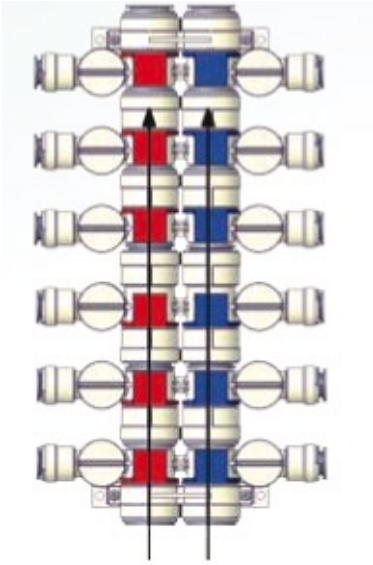
SINGLE UNION BODY		
	QC3589-1810	
SINGLE STEM BODY, LEFT		
	QC3591-1810	
DUAL STEM BODY		
	QC3584-1810	
DUAL UNION BODY		
	QC3583-1810	



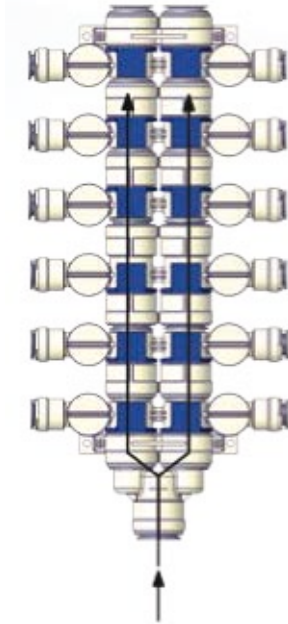
DIVIDER PLUG		
	QC3582-18	
LABEL PLATE RED		
	QC3586-18	
LABEL PLATE COLD		
	QC3587-18	
DUAL SIDE MOUNTING KIT		
	QC3580-18	
SINGLE SIDE MOUNTING KIT		
	QCB1	
END PLUG		
	QC3546-18	

Ways to connect the manifold system

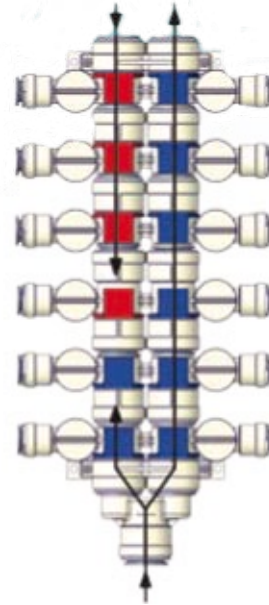
way 1



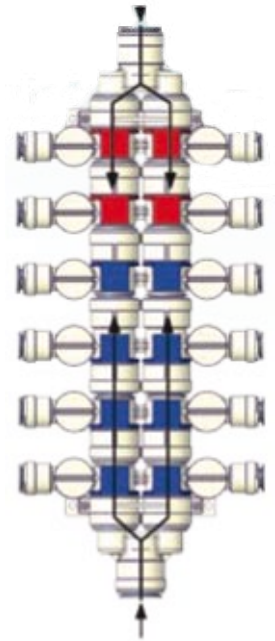
way 2



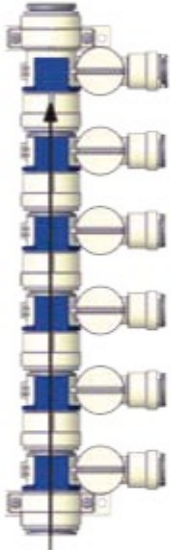
way 3



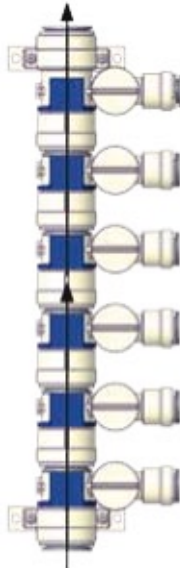
way 4



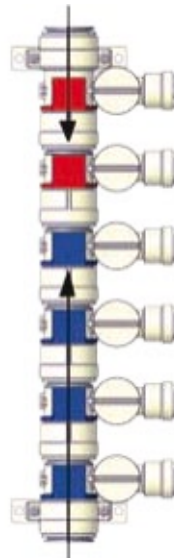
way 5



way 6



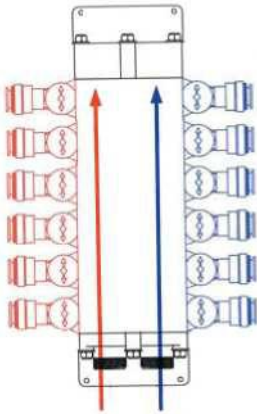
way 7



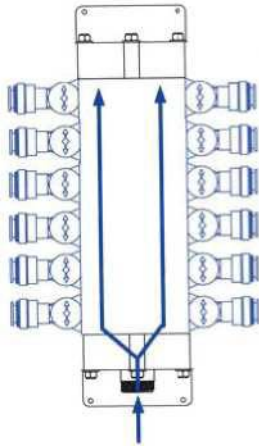
EXAMPLES OF HOW MANIFOLD SYSTEMS CAN BE CREATED

Manifolds work in a similar fashion to a transformer. The main water supply lines bring water into the manifold and individual distribution lines move water out to each fixture. All outlets have a built in valve which allows you to stop the water flow to any single fixture without shutting down the entire water system.

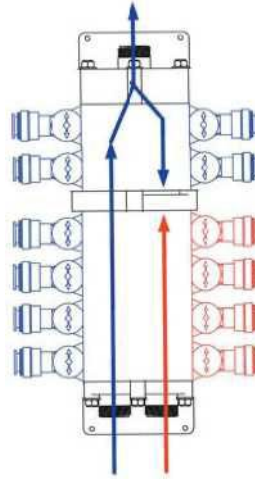
2 Inlets-MIP



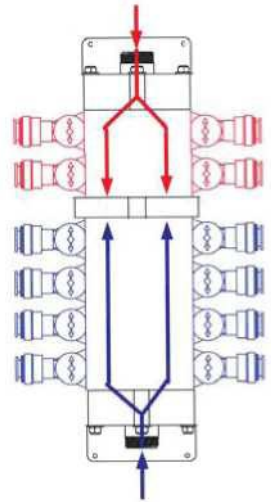
2 Inlets-MIP



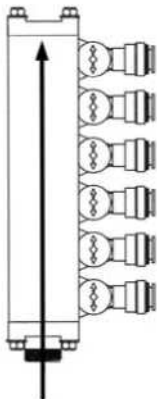
2 Inlets-MIP
1 Outlet-MIP



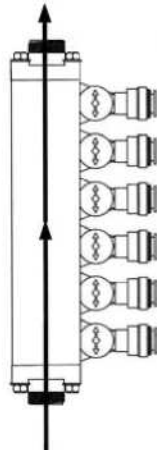
2 Inlets - MIP



1 Quick Connect In-
let MIP,
Use Hot or Cold



2 Quick Connect In-
lets Use Hot or Cold
MIP



2 Quick Connect In-
lets Use Hot or Cold
MIP

