

Service Fittings

Straight Couplings | Branches



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Outlet Connections



Flare



-22, -33, -44



G & -3G



H & -3H



Q & -3Q

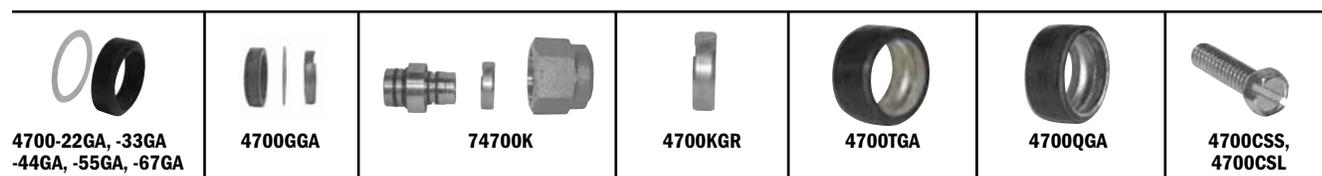


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This catalog shows our basic line of service fittings. Other combinations not shown in this catalog may be available. Contact factory or sales representative for more information.

Flare & Compression - Nut Assemblies

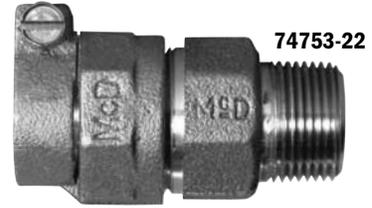
Model #	Outlet Connection	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"
4700	Copper Flare Nut Only	●		●	●	●	●	●
4700A	Copper Flare Nut w/Anode Connecton			●	●			
4700-22	-22 CTS Compression Nut Assembly - Gasket & Anti-Friction Ring	●		●	●	●	●	●
4700-22GA	Gasket & Anti-Friction Ring Only - -22 CTS Series	●		●	●	●	●	●
4700-22RW	-22 CTS Compression Nut Assembly (Reduced Weight) - Gasket & Anti-Friction Ring						●	●
4700-22GARW	Gasket & Anti-Friction Ring Only (Reduced Weight) -22 CTS Series						●	●
4700G	G CTS Compression Nut Assembly - Gasket, Friction & Grip Ring			●	●	●	●	●
4700GGA	Gasket, Friction, & Grip Ring - G CTS Series			●	●	●	●	●
4700H	H CTS Compression Nut Assembly - Gasket, Friction & Grip Ring			●	●			
4700Q	Q CTS Compression Nut Assembly - Gasket & Gripper			●	●	●	●	●
4700QA	QA CTS Compression Anode Nut Assembly - Gasket & Gripper			●	●	●	●	●
4700QGA	Gasket & Gripper Assembly Only - Q CTS Series			●	●	●	●	●
4700T	T CTS Compression Nut Assembly - Gasket & Gripper			●	●	●	●	●
4700TGA	Gasket & Gripper Assembly Only - T CTS Series			●	●	●	●	●
4700TRW	T CTS Compression Nut Assembly (Reduced Weight)- Gasket & Gripper						●	●
4700TRWGA	Gasket & Gripper Assembly Only (Reduced Weight) - T CTS Series						●	●
4700-33	-33 PEP Compression Nut Assembly - Gasket & Anti-Friction Ring			●	●	●	●	●
4700-33GA	Gasket & Anti-Friction Ring -33 PEP Series			●	●	●	●	●
4700-33RW	-33 PEP Compression Nut Assembly (Reduced Weight) - Gasket & Anti-Friction Rlng						●	
4700-3G	-3G PEP Compression Nut Assembly Gasket & Gripper			●	●			
4700-3GGA	Gasket, Friction & Grip Ring - -3G PEP Series			●	●			
4700-3H	-3H PEP Compression Nut Assembly Gasket & Gripper			●	●			
4700-3Q	-3Q PEP Compression Nut Assembly - Gasket & Gripper			●	●			
4700-3QA	-3QA PEP Compression Anode Nut Assembly - Gasket & Gripper			●	●			
4700-3QGA	Gasket, Friction & Grip Ring - -3Q PEP Series			●	●			
4700-44	-44 PVC Compression Nut Assembly - Gasket & Anti-Friction Ring			●	●	●	●	●
4700-44GA	Gasket & Anti-Friction Ring Only - -44 PVC Series			●	●	●	●	●
4700-44RW	-44 PVC Compression Nut Assembly (Reduced Weight) - Gasket & Anti-Friction Ring					●		
4700-44GARW	Gasket & Anti-Friction Ring Only (Reduced Weight) - -44 PVC Series					●		
4700-55	-55 IP Compression Nut Assembly - Gasket & Anti-Friction Ring			●	●		●	●
4700-55GA	Gasket & Anti-Friction Ring Only - -55 IP			●	●			
4700-67	-67 XS Lead Compression Nut Assembly - Gasket & Anti-Friction Ring			●	●		●	●
4700-67GA	Gasket & Anti-Friction Ring Only - -67 XS Lead Series	●	●	●	●	●	●	●
74700K	C903 Compression Nut, Ring, & Seal Assembly, Aluminum Core PE			●	●			
74700KA	C903 Compression, Net, Ring, Seal Assembly, w/Anode Connection, Aluminum Core PE			●	●			
4700KGR	Grip Rlng - C903 Series			●	●			
4700KOKIT	O-rings and Friction Ring - C903 Series			●				
4700CSS	Clamp Screw - Small for Mac-Pac Nuts							
4700CSL	Clamp Screw - Large for Mac-Pac Nuts							



Straight Couplings

One End Male National Pipe Thread

A.Y. McDonald Service Fittings are made in the United States of America and are manufactured to meet or exceed the AWWA C800 (latest revision) standard. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. EPDM rubber gaskets are used in our compression fittings.



Size	Nut	MNPT	74753 Flare x MNPT	74753-22 -22 CTS Compression x MNPT	74753G G CTS Compression x MNPT	74753Q Q CTS Compression x MNPT	74753T T CTS Compression x MNPT
1/2"	1/2"	1/2"	●	●			
1/2" x 3/4"	1/2"	3/4"	●	●			
3/4"	3/4"	3/4"	●	●	●	●	●
3/4" x 1/2"	3/4"	1/2"	●	●	●	●	●
3/4" x 1"	3/4"	1"	●	●	●	●	●
1"	1"	1"	●	●	●	●	●
1" x 3/4"	1"	3/4"	●	●	●	●	●
1 1/4"	1 1/4"	1 1/4"	●	●	●	●	●
1 1/4" x 3/4"	1 1/4"	3/4"	●	●	●	●	●
1 1/4" x 1"	1 1/4"	1"	●	●	●	●	●
1 1/2"	1 1/2"	1 1/2"	●	●	●	●	●
1 1/2" x 1"	1 1/2"	1"	●	●	●	●	●
1 1/2" x 1 1/4"	1 1/2"	1 1/4"	●	●	●	●	●
2"	2"	2"	●	●	●	●	●
2" x 1 1/2"	2"	1 1/2"	●	●	●	●	●
2 1/2"	2 1/2"	2 1/2"	●	●	●	●	●

Size	Nut	MNPT	74753-33 -33 PEP Compression x MNPT	74753-3G -3G PEP Compression x MNPT	74753-3Q -3Q PEP Compression x MNPT	74753-44 -44 PVC Compression x MNPT	74753-55 -55 IP Compression x MNPT
1/2"	1/2"	1/2"				●	
1/2" x 3/4"	1/2"	3/4"				●	
3/4"	3/4"	3/4"	●	●	●	●	●
3/4" x 1"	3/4"	1"	●	●	●	●	●
1"	1"	1"	●	●	●	●	●
1" x 3/4"	1"	3/4"	●	●	●	●	●
1 1/4"	1 1/4"	1 1/4"	●	●	●	●	●
1 1/4" x 1"	1 1/4"	1"	●	●	●	●	●
1 1/4" x 1 1/2"	1 1/4"	1 1/2"	●	●	●	●	●
1 1/2"	1 1/2"	1 1/2"	●	●	●	●	●
1 1/2" x 1"	1 1/2"	1"	●	●	●	●	●
1 1/2" x 1 1/4"	1 1/2"	1 1/4"	●	●	●	●	●
2"	2"	2"	●	●	●	●	●
2" x 1"	2"	1"	●	●	●	●	●

Size	Nut	MNPT	74753-66 -66 Strong Lead Compression x MNPT	74753-67 -67 X Strong Lead Compression x MNPT	74753-68 -68 XX Strong Lead Compression x MNPT
1/2" x 3/4"	1/2"	3/4"		●	●
5/8" x 3/4"	5/8"	3/4"	●	●	●
3/4"	3/4"	3/4"	●	●	●
3/4" x 1"	3/4"	1"		●	●
1"	1"	1"	●	●	●
1 1/4"	1 1/4"	1 1/4"		●	●
1 1/4" x 1"	1 1/4"	1"		●	●
1 1/2"	1 1/2"	1 1/2"		●	●
2"	2"	2"		●	●

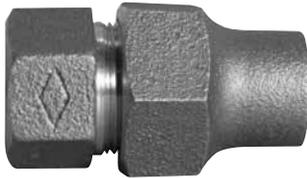
OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" only.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" only.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are **required** on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.

Straight Couplings

One End Female National Pipe Thread

74754



A.Y. McDonald Service Fittings are made in the United States of America and are manufactured to meet or exceed the AWWA C800 (latest revision) standard. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water **only**. EPDM rubber gaskets are used in our compression fittings.

Size	Nut	FNPT	74754 Flare x FNPT	74754-22 -22 CTS Compression x FNPT	74754G G CTS Compression x FNPT	74754Q Q CTS Compression x FNPT	74754T T CTS Compression x FNPT
1/2"	1/2"	1/2"	●	●			
1/2" x 3/4"	1/2"	3/4"		●			
3/4"	3/4"	3/4"	●	●	●	●	●
3/4" x 1/2"	3/4"	1/2"	●	●	●	●	●
3/4" x 1"	3/4"	1"	●	●	●	●	●
1"	1"	1"	●	●	●	●	●
1" x 3/4"	1"	3/4"	●	●	●	●	●
1" x 1 1/4"	1"	1 1/4"	●	●	●	●	●
1" x 1 1/2"	1"	1 1/2"		●	●	●	●
1 1/4"	1 1/4"	1 1/4"	●	●	●	●	●
1 1/4" x 3/4"	1 1/4"	3/4"		●	●	●	●
1 1/4" x 1"	1 1/4"	1"		●	●	●	●
1 1/2"	1 1/2"	1 1/2"	●	●	●	●	●
1 1/2" x 1"	1 1/2"	1"		●	●	●	●
1 1/2" x 1 1/4"	1 1/2"	1 1/4"		●	●	●	●
2"	2"	2"	●	●	●	●	●
2" x 1 1/2"	2"	1 1/2"		●			●
2 1/2"	2 1/2"	2 1/2"		●			

Size	Nut	FNPT	74754-33 -33 PEP Compression x FNPT	74754-3G -3G PEP Compression x FNPT	74754-3Q -3Q PEP Compression x FNPT	74754-44 -44 PVC Compression x FNPT	74754-55 -55 IP Compression x FNPT
1/2"	1/2"	1/2"				●	
1/2" x 3/4"	1/2"	3/4"				●	
1/2" x 1"	1/2"	1"				●	
3/4"	3/4"	3/4"	●	●	●	●	●
3/4" x 1"	3/4"	1"	●	●	●	●	●
3/4" x 1 1/2"	3/4"	1 1/2"	●	●	●	●	●
1"	1"	1"	●	●	●	●	●
1" x 3/4"	1"	3/4"	●	●	●	●	●
1" x 1 1/4"	1"	1 1/4"	●	●	●	●	●
1 1/4"	1 1/4"	1 1/4"	●			●	
1 1/4" x 1 1/2"	1 1/4"	1 1/2"	●			●	
1 1/2"	1 1/2"	1 1/2"	●			●	●
1 1/2" x 3/4"	1 1/2"	3/4"				●	
1 1/2" x 1"	1 1/2"	1"				●	
1 1/2" x 1 1/4"	1 1/2"	1 1/4"				●	●
2"	2"	2"	●			●	●
2" x 3/4"	2"	3/4"	●			●	●
2" x 1"	2"	1"	●			●	●

Size	Nut	FNPT	74754-66 -66 Strong Lead Compression x FNPT	74754-67 -67 X Strong Lead Compression x FNPT	74754-68 -68 XX Strong Lead Compression x FNPT
1/2" x 3/4"	1/2"	3/4"			●
5/8" x 3/4"	5/8"	3/4"	●	●	●
5/8" x 1"	5/8"	1"		●	
3/4"	3/4"	3/4"	●	●	●

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" only.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" only.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are required on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.

Straight Couplings

Same Connections on Both Ends

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Size	Nut	MNPT	74758	74758-22	74758G	74758Q	74758T
			Flare x Flare	-22 CTS Compression x -22 CTS Compression	G CTS Compression x G CTS Compression	Q CTS Compression x Q CTS Compression	T CTS Compression x T CTS Compression
1/2"	1/2"	1/2"	●	●			
1/2" x 3/4"	1/2"	3/4"	●	●			
3/4"	3/4"	3/4"	●	●	●	●	●
3/4" x 1"	3/4"	1"	●	●	●	●	●
3/4" x 1 1/4"	3/4"	1 1/4"		●		●	●
1"	1"	1"	●	●	●	●	●
1" x 1 1/4"	1"	1 1/4"		●		●	●
1" x 1 1/2"	1"	1 1/2"		●	●	●	●
1 1/4"	1 1/4"	1 1/4"	●	●	●	●	●
1 1/4" x 1 1/2"	1 1/4"	1 1/2"		●		●	●
1 1/2"	1 1/2"	1 1/2"	●	●	●	●	●
1 1/2" x 2"	1 1/2"	2"		●		●	●
2"	2"	2"	●	●	●	●	●
2" x 1"	2"	1"		●			
2 1/2"	2 1/2"	2 1/2"		●			

Size	Nut	Nut	74758-33	74758-3G	74758-3Q	74758-44	74758-55
			-33 PEP Compression x -33 PEP Compression	-3G PEP Compression x -3G PEP Compression	-3Q PEP Compression x -3Q PEP Compression	-44 PVC Compression x -44 PVC Compression	-55 IP Compression x -55 IP Compression
1/2"	1/2"	1/2"				●	
3/4"	3/4"	3/4"	●	●	●	●	●
3/4" x 1"	3/4"	1"	●	●	●	●	●
3/4" x 2"	3/4"	2"	●			●	●
1"	1"	1"	●	●	●	●	●
1 1/4"	1 1/4"	1 1/4"	●			●	
1 1/2"	1 1/2"	1 1/2"	●			●	●
2"	2"	2"	●			●	●

Size	Nut	Nut	74758-66	74758-67	74758-68
			-66 Strong Lead Compression x -66 Strong Lead Compression	-67 X Strong Lead Compression x -67 X Strong Lead Compression	-68 XX Strong Lead Compression x -68 XX Strong Lead Compression
1/2"	1/2"	1/2"		●	
5/8"	5/8"	5/8"		●	
3/4"	3/4"	3/4"	●	●	●
1"	1"	1"	●	●	
1 1/4"	1 1/4"	1 1/4"		●	

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" **only**.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" **only**.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are **required** on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.

Straight Couplings

One End Flare Nut

74758C-22



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			74758C-22	74758CG	74758CQ	74758CT
Size	Nut	Nut	Flare x -22 CTS Compression	Flare x G CTS Compression	Flare x Q CTS Compression	Flare x T CTS Compression
3/4"	3/4"	3/4"	●			●
3/4" x 1"	3/4"	1"	●	●	●	●
1"	1"	1"	●	●	●	●
1" x 3/4"	1"	3/4"	●	●	●	●
1" x 1 1/4"	1"	1 1/4"	●	●	●	●

			74758C-33	74758C-3G	74758C-3Q	74758C-44
Size	Nut	Nut	Flare x -33 PEP Compression	Flare x -3G PEP Compression	Flare x -3Q PEP Compression	Flare x -44 PVC Compression
3/4"	3/4"	3/4"	●			●
1"	1"	1"	●	●	●	●
1" x 3/4"	1"	3/4"	●	●	●	●
1" x 2"	1"	2"	●			●

			74758C-55	74758C-66	74758C-67	74758C-68
Size	Nut	Nut	Flare x -55 IP Compression	Flare x -66 Strong Lead Compression	Flare x -67 X Strong Lead Compression	Flare x -68 XX Strong Lead Compression
3/4"	3/4"	3/4"	●	●	●	●
3/4" x 1/2"	3/4"	1/2"			●	●
3/4" x 5/8"	3/4"	5/8"		●	●	●
1"	1"	1"	●	●	●	●
1" x 1/2"	1"	1/2"			●	●
1" x 5/8"	1"	5/8"		●	●	●
1" x 3/4"	1"	3/4"	●	●	●	●
1" x 2"	1"	2"	●			●

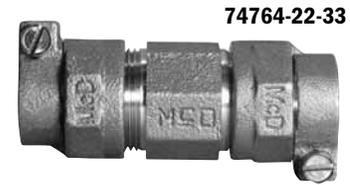
OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" **only**.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" **only**.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are **required** on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.

Straight Couplings

Cross Connections

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Size	Nut	Nut	74758-22-33 -22 CTS Compression x -33 PEP Compression	74758-22-44 -22 CTS Compression x -44 PVC Compression	74758-22-55 -22 CTS Compression x -55 IP Compression	74758-22-66 -22 CTS Compression x -66 Strong Lead Compression	74758-22-67 -22 CTS Compression x -67 X Strong Lead Compression
1/2"	1/2"	1/2"		●			
3/4"	3/4"	3/4"	●	●	●	●	●
3/4" x 1/2"	3/4"	1/2"		●			●
3/4" x 5/8"	3/4"	5/8"				●	●
3/4" x 1"	3/4"	1"	●	●	●		●
1"	1"	1"	●	●	●	●	●
1" x 5/8"	1"	5/8"			●		●
1" x 3/4"	1"	3/4"	●	●	●	●	●
1" x 1 1/4"	1"	1 1/4"	●	●			●
1" x 2"	1"	2"	●		●		
1 1/4"	1 1/4"	1 1/4"		●			
1 1/4" x 1"	1 1/4"	1"		●			
1 1/2"	1 1/2"	1 1/2"	●	●	●		●
1 1/2" x 1 1/4"	1 1/2"	1 1/4"	●				●
2"	2"	2"	●	●	●		●

Size	Nut	Nut	74758-22-68 -22 CTS Compression x -68 XX Strong Lead Compression	74758G-22 G CTS Compression x -22 CTS Compression	74758G-33 G CTS Compression x -33 PEP Compression	74758G-3G G CTS Compression x -3G PEP Compression	74758G-3Q G CTS Compression x -3Q PEP Compression
3/4"	3/4"	3/4"	●		●	●	●
3/4" x 1/2"	3/4"	1/2"	●	●			
3/4" x 5/8"	3/4"	5/8"	●				
3/4" x 1"	3/4"	1"	●		●	●	●
1"	1"	1"	●		●	●	●
1" x 5/8"	1"	5/8"	●				
1" x 3/4"	1"	3/4"	●		●	●	●

Size	Nut	Nut	74758G-44 G CTS Compression x -44 PVC Compression	74758G-55 G CTS Compression x -55 IP Compression	74758Q-22 Q CTS Compression x -22 CTS Compression	74758Q-33 Q CTS Compression x -33 PEP Compression	74758Q-3Q Q CTS Compression x -3Q CTS Compression
3/4"	3/4"	3/4"	●	●		●	●
3/4" x 1/2"	3/4"	1/2"	●		●		
3/4" x 1"	3/4"	1"	●	●		●	●
1"	1"	1"	●	●		●	●
1" x 3/4"	1"	3/4"				●	●
1" x 2"	1"	2"				●	
1 1/4"	1 1/4"	1 1/4"	●				
2"	2"	2"	●	●		●	

Size	Nut	Nut	74758Q-44 Q CTS Compression x -44 PVC Compression	74758Q-55 Q CTS Compression x -55 IP Compression	74758Q-67 Q CTS Compression x -67 X Strong Lead Compression	74758T-22 T CTS Compression x -22 CTS Compression	74758T-33 T CTS Compression x -33 PEP Compression
3/4"	3/4"	3/4"	●	●		●	●
3/4" x 1/2"	3/4"	1/2"	●		●	●	
3/4" x 1"	3/4"	1"	●	●		●	
1"	1"	1"	●	●		●	●
1" x 3/4"	1"	3/4"	●	●			●
1" x 2"	1"	2"	●	●			●
1 1/4"	1 1/4"	1 1/4"	●				
2"	2"	2"	●	●		●	●
2" x 1 1/2"	2"	1 1/2"				●	

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" **only**.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" **only**.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are **required** on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.

			74758T-44 T CTS Compression x -44 PVC Compression	74758T-55 T CTS Compression x -55 IP Compression	74758T-67 T CTS Compression x -67 X Strong Lead Compression	74758T-68 T CTS Compression X -68 XX Strong Lead Compression	74758-33-44 33 PEP Compression x -44 PVC Compression
Size	Nut	Nut					
3/4"	3/4"	3/4"	●	●	●		●
3/4" x 1/2"	3/4"	1/2"	●			●	
3/4" x 5/8"	3/4"	5/8"			●	●	
3/4" x 1"	3/4"	1"	●	●			●
3/4" x 2"	3/4"	2"					●
1"	1"	1"	●	●			●
1" x 3/4"	1"	3/4"	●	●			●
1" x 2"	1"	2"	●	●			
1 1/4"	1 1/4"	1 1/4"	●				
1 1/2"	1 1/2"	1 1/2"	●	●			
2"	2"	2"	●	●			

			74758-33-55 -33 PEP Compression x -55 IP Compression	74758-33-66 -33 PEP Compression x -66 Strong Lead Compression	74758-33-67 -33 PEP Compression x -67 X Strong Lead Compression	74758-33-68 -33 PEP Compression x -68 XX Strong Lead Compression	74758-3G-55 -3G PEP Compression x -55 IP Compression
Size	Nut	Nut					
3/4"	3/4"	3/4"	●	●		●	
3/4" x 1/2"	3/4"	1/2"			●	●	
3/4" x 5/8"	3/4"	5/8"		●	●	●	
3/4" x 2"	3/4"	2"	●				
1"	1"	1"	●				
1" x 3/4"	1"	3/4"	●			●	●
1 1/2"	1 1/2"	1 1/2"			●		
2"	2"	2"					

			74758-44-55 -44 PVC Compression x -55 IP Compression
Size	Nut	Nut	
3/4"	3/4"	3/4"	●
1"	1"	1"	●
1" x 3/4"	1"	3/4"	●
2"	2"	2"	●

Di-Electric Unions

Cross Connections - Prevents electricity from passing through the line.

74758DB-22



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			74758DB Flare x Flare	74758DB-22 -22 CTS Compression x -22 CTS Compression	74758DB-22-44 -22 CTS Compression x -44 PVC Compression	74758DB-22-55 -22 CTS Compression x -55 IP Compression	74758DB-22-67 -22 CTS Compression x -67 X Strong Lead Compression
Size	Nut	Nut					
3/4"	3/4"	3/4"	●	●			
1"	1"	1"	●	●	●		
1" x 3/4"	1"	3/4"			●	●	●
1 1/2"	1 1/2"	1 1/2"	●	●			
2"	2"	2"	●	●			

			74758DBG G CTS Compression x G CTS Compression	74758DBQ Q CTS Compression x Q CTS Compression	74758DBT T CTS Compression x T CTS Compression
Size	Nut	Nut			
3/4"	3/4"	3/4"	●	●	●
1"	1"	1"	●	●	●
1 1/2"	1 1/2"	1 1/2"			●
2"	2"	2"			●

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" **only**.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" **only**.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are **required** on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.

Three Part Unions w/ Internal Pipe Stop

Same Connection on Both Sides

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74759-22

			74759-22	74759G	74759Q	74759T
Size	Nut	Nut	-22 CTS Compression x -22 CTS Compression	G CTS Compression x G CTS Compression	Q CTS Compression x Q CTS Compression	T CTS Compression x T CTS Compression
1/2"	1/2"	1/2"	●			
3/4"	3/4"	3/4"	●	●	●	●
3/4" x 1"	3/4"	1"	●	●	●	●
1"	1"	1"	●	●	●	●
1 1/2"	1 1/2"	1 1/2"	●	●	●	●
2"	2"	2"	●	●	●	●

			74759-33	74759-3G	74759-3Q	74759-44	74759-55
Size	Nut	Nut	-33 PEP Compression x -33 PEP Compression	-3G PEP Compression x -3G PEP Compression	-3Q PEP Compression x -3Q PEP Compression	-44 PVC Compression x -44 PVC Compression	-55 IP Compression x -55 IP Compression
3/4"	3/4"	3/4"	●	●	●	●	●

Tees

Cross Connections

A.Y. McDonald Service Fittings are made in the United States of America and are manufactured to meet or exceed the AWWA C800 (latest revision) standard. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water **only**. EPDM rubber gaskets are used in our compression fittings.



			74760-A	74760-A-22	74760-22-33	74760-22-44	74760-22-55
Size	Both Ends Run	Side Outlet	Flare x Flare x Flare - Assembly Pressure Tested	-22 CTS Compression x -22 CTS Compression x -22 CTS Compression	-22 CTS Compression x -22 CTS Compression x -33 PEP Compression	-22 CTS Compression x -22 CTS Compression x -44 PVC Compression	-22 CTS Compression x -22 CTS Compression x -55 IP Compression
3/4"	3/4"	3/4"			●	●	●
1"	1"	1"			●	●	●
2" x 1"	2"	1"	●	●			

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" **only**.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" **only**.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are **required** on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.

Tees

Same End Connections on all Three Sides

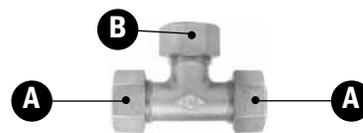


A.Y. McDonald Service Fittings are made in the United States of America and are manufactured to meet or exceed the AWWA C800 (latest revision) standard. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water **only**. EPDM rubber gaskets are used in our compression fittings.

Size	Nut	Female Flare	74760F	74760P	74760	74760-22	74760G	74760G-3G	74760Q
			FNPT x FNPT x FNPT	MNPT x MNPT x MNPT	Flare x Flare x Flare	-22 CTS Compression x -22 CTS Compression x -22 CTS Compression	G CTS Compression x G CTS Compression x G CTS Compression	G CTS Compression x G CTS Compression x -3G PEP Compression	Q CTS Compression x Q CTS Compression x Q CTS Compression
1/2"	1/2"	1/2"			●				
3/4"	3/4"	3/4"	●	●	●	●	●	●	●
3/4" x 1"	3/4"	1"			●	●	●		●
3/4" x 1" x 9"	3/4"	1"		●	●				
1"	1"	1"	●	●	●	●	●		●
1" x 3/4"	1"	3/4"			●	●	●		●
1" x 1 1/4"	1"	1 1/4"			●	●	●		●
1" x 1 1/2"	1"	1 1/2"			●	●	●		●
1 1/4"	1 1/4"	1 1/4"	●		●	●	●		●
1 1/2"	1 1/2"	1 1/2"	●	●	●	●	●		●
1 1/2" x 3/4"	1 1/2"	3/4"	●		●				
1 1/2" x 1"	1 1/2"	1"	●		●				
2"	2"	2"	●	●	●	●	●		●
2" x 3/4"	2"	3/4"	●						
2" x 1"	2"	1"	●						

Size	Both Ends Run	Side Outlet	74760Q-3Q	74760T	74760-33	74760-3G	74760-3Q
			Q CTS Compression x Q CTS Compression x -3Q PEP Compression	T CTS Compression x T CTS Compression x T CTS Compression	-33 PEP Compression x -33 PEP Compression x -33 PEP Compression	-3G PEP Compression x -3G PEP Compression x -3G PEP Compression	-3Q PEP Compression x -3Q PEP Compression x -3Q PEP Compression
3/4"	3/4"	3/4"	●	●	●	●	●
3/4" x 1"	3/4"	1"		●			
1"	1"	1"		●	●	●	●
1" x 3/4"	1"	3/4"		●			
1" x 1 1/4"	1"	1 1/4"		●			
1" x 1 1/2"	1"	1 1/2"		●			
1 1/4"	1 1/4"	1 1/4"		●			
1 1/2"	1 1/2"	1 1/2"		●	●		
2"	2"	2"		●	●		

Size	Both Ends Run	Side Outlet	74760-44	74760-55
			-44 PVC Compression x -44 PVC Compression x -44 PVC Compression	-55 IP Compression x -55 IP Compression x -55 IP Compression
3/4"	3/4"	3/4"	●	●
1"	1"	1"	●	●
1 1/2"	1 1/2"	1 1/2"	●	
2"	2"	2"	●	



KEY TO SIZES	
A	B
3/4"	1"

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" **only**.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" **only**.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are **required** on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.

Tees

A.Y. McDonald Service Fittings are made in the United States of America and are manufactured to meet or exceed the AWWA C800 (latest revision) standard. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water **only**. EPDM rubber gaskets are used in our compression fittings.



74762



74763-22



74764-22

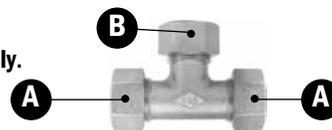
			74762	74762-22	74762G	74762Q	74762T
Size	Ends Run	Both Side Outlet	Flare x Flare x MNPT	-22 CTS Compression x -22 CTS Compression x MNPT	G CTS Compression x G CTS Compression x MNPT	Q CTS Compression x Q CTS Compression x MNPT	T CTS Compression x T CTS Compression x MNPT
3/4"	3/4"	3/4"	●	●	●	●	●
3/4" x 1"	3/4"	1"	●	●	●	●	●
1"	1"	1"	●	●	●	●	●

			74763F	74763	74763-22	74763G	74763Q	74763T
Size	Ends Run	Both Side Outlet	MNPT x MNPT x FNPT	MNPT x MNPT x Flare	MNPT x MNPT x -22 CTS Compression	MNPT x MNPT x G CTS Compression	MNPT x MNPT x Q CTS Compression	MNPT x MNPT x T CTS Compression
3/4"	3/4"	3/4"		●				
3/4" x 1"	3/4"	1"		●	●	●	●	●
3/4" x 1" x 9"	3/4"	1"	● 9" end to end	● 9" end to end	● 9" end to end	● 9" end to end	● 9" end to end	● 9" end to end
1"	1"	1"		●	●	●	●	●
1" x 1 1/4"	1"	1 1/4"		●	●	●	●	●
1" x 1 1/2"	1"	1 1/2"			●	●	●	●

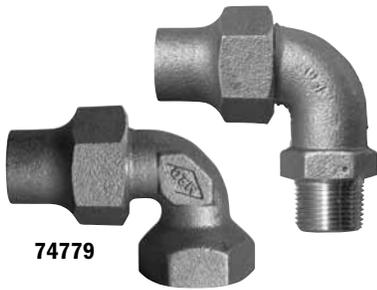
			74764-22	74764G	74764Q	74764T
Size	Ends Run	Both Side Outlet	-22 CTS Compression x -22 CTS Compression x FNPT	G CTS Compression x G CTS Compression x FNPT	Q CTS Compression x Q CTS Compression x FNPT	T CTS Compression x T CTS Compression x FNPT
3/4"	3/4"	3/4"	●	●	●	●
3/4" x 1"	3/4"	1"	●	●	●	●
1"	1"	1"	●	●	●	●
1 1/4"	1 1/4"	1 1/4"	●	●	●	●
1 1/2" x 3/4"	1 1/2"	3/4"	●	●	●	●
1 1/2" x 1"	1 1/2"	1"	●	●	●	●
2" x 3/4"	2"	3/4"	●	●	●	●
2" x 1"	2"	1"	●	●	●	●

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" **only**.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" **only**.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are **required** on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.



KEY TO SIZES	
A	B
3/4"	1"



Elbows - 1/4 Bend

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			74779MF	74779M	74779M-22	74779MG	74779MQ	74779MT
Size	Nut	MNPT	FNPT x MNPT	Flare x MNPT	-22 CTS Compression x MNPT	G CTS Compression x MNPT	Q CTS Compression x MNPT	T CTS Compression
3/4"	3/4"	3/4"		●	●	●	●	●
1"	1"	1"		●	●	●	●	●
1" x 3/4"	1"	3/4"		●	●	●	●	●
1 1/4" x 1"	1 1/4"	1"		●	●	●	●	●
1 1/2"	1 1/2"	1 1/2"		●	●	●	●	●
2"	2"	2"	●	●	●	●	●	●

			74779M-33	74779M-3G	74779M-3Q	74779M-44	74779M-55
Size	Nut	MNPT	-33 PEP Compression x MNPT	-3G PEP Compression x MNPT	-3Q PEP Compression x MNPT	-44 PVC Compression x MNPT	-55 IP Compression x MNPT
3/4"	3/4"	3/4"	●	●	●	●	●
1"	1"	1"	●	●	●	●	●
1 1/2"	1 1/2"	1 1/2"				●	●
2"	2"	2"	●			●	●

			74779	74779-22	74779G	74779Q	74779T
Size	Nut	FNPT	Flare x FNPT	-22 CTS Compression x FNPT	G CTS Compression x FNPT	Q CTS Compression x FNPT	T CTS Compression x FNPT
3/4"	3/4"	3/4"	●	●	●	●	●
3/4" x 1"	3/4"	1"	●	●	●	●	●
3/4" x 1 1/4"	3/4"	1 1/4"		●	●	●	●
1"	1"	1"	●	●	●	●	●
1" x 3/4"	1"	3/4"		●	●	●	●
1" x 1 1/4"	1"	3/4"	●	●	●	●	●
1 1/2"	1 1/2"	1 1/2"	●	●	●	●	●
2"	2"	2"	●	●	●	●	●

			74779-33	74779-3G	74779-3Q	74779-44	74779-55
Size	Nut	MNPT	-33 PEP Compression x FNPT	-3G PEP Compression x FNPT	-3Q PEP Compression x FNPT	-44 PVC Compression x FNPT	-55 IP Compression x FNPT
3/4"	3/4"	3/4"	●	●	●	●	●
1 1/2"	1 1/2"	1 1/2"				●	●
2"	2"	2"				●	●

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" **only**.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" **only**.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are **required** on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.

Elbows - 1/4 Bend

A.Y. McDonald Service Fittings are made in the United States of America and are manufactured to meet or exceed the AWWA C800 (latest revision) standard. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water **only**. EPDM rubber gaskets are used in our compression fittings.



			74761	74761-22	74761-22-33	74761-22-44	74761-22-55	74761G
Size	Nut	Nut	Flare x Flare	-22 CTS Compression x -22 CTS Compression	-22 CTS Compression x -33 PEP Compression	-22 CTS Compression x -44 PVC Compression	-22 CTS Compression x -55 IP Compression	G CTS Compression x G CTS Compression
3/4"	3/4"	3/4"	●	●	●	●	●	●
3/4" x 1"	3/4"	1"	●	●				●
1"	1"	1"	●	●				●
1 1/4"	1 1/4"	1 1/4"	●	●				●
1 1/2"	1 1/2"	1 1/2"	●	●				●
2"	2"	2"	●	●				●

			74761G-3G	74761Q	74761Q-3Q	74761T	74761T-33
Size	Nut	Nut	G CTS Compression x -3G PEP Compression	Q CTS Compression x Q CTS Compression	Q CTS Compression x -3Q PEP Compression	T CTS Compression x T Compression	T CTS Compression x -33 PEP Compression
3/4"	3/4"	3/4"	●	●	●	●	●
3/4" x 1"	3/4"	1"		●		●	
1"	1"	1"		●		●	
1 1/4"	1 1/4"	1 1/4"		●		●	
1 1/2"	1 1/2"	1 1/2"		●		●	
2"	2"	2"		●		●	

			74761T-44	74761T-55	74761-33	74761-3G	74761-3Q
Size	Nut	Nut	T CTS Compression x -44 PVC Compression	T CTS Compression x -55 IP Compression	-33 PEP Compression x -33 PEP Compression	-3G PEP Compression x -3G PEP Compression	-3Q PEP Compression x -3Q PEP Compression
3/4"	3/4"	3/4"	●	●	●	●	●
1"	1"	1"			●	●	●
1 1/2"	1 1/2"	1 1/2"			●		
2"	2"	2"			●		

			74761-44	74761-44-55	74761-55
Size	Nut	Nut	-44 PVC Compression x -44 PVC Compression	-44 PVC Compression x -55 IP Compression	-55 IP Compression x -55 IP Compression
3/4"	3/4"	3/4"	●	●	●
1"	1"	1"	●	●	●
1 1/4"	1 1/4"	1 1/4"	●		
1 1/2"	1 1/2"	1 1/2"	●		●
2"	2"	2"	●	●	●

Elbows - 1/8 Bend

			74747	74747-22	74747G	74747Q	74747T
Size	Nut	FNPT	Flare x FNPT	-22 CTS Compression x FNPT	G CTS Compression x FNPT	Q CTS Compression x FNPT	T CTS Compression x FNPT
3/4"	3/4"	3/4"	●	●	●	●	●
3/4" x 1"	3/4"	1"	●	●	●	●	●
1"	1"	1"	●	●			●
1" x 1 1/4"	1"	1 1/4"	●				

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" **only**.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" **only**.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are **required** on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.

Straight Couplings



74755

A.Y. McDonald Service Fittings are made in the United States of America and are manufactured to meet or exceed the AWWA C800 (latest revision) standard. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water **only**. EPDM rubber gaskets are used in our compression fittings.

The 74755 series fittings are designed to cover any A.Y. McDonald flare end to a different size or end connection.

- Note: 4755GSKT Copper gasket included with all 4755 connections.

Size	Nut	Female Flare	74755F FNPT x Female Flare	74755M MNPT x Female Flare	74755 Flare x Female Flare	74755-22 -22 CTS Compression x Female Flare	74755G G CTS Compression x Female Flare	74755Q Q CTS Compression x Female Flare
1/2"	1/2"	1/2"	●					
1/2" x 3/4"	1/2"	3/4"		●	●	●		
3/4"	3/4"	3/4"	●	●		●		●
3/4" x 1/2"	3/4"	1/2"	●		●	●	●	●
3/4" x 1"	3/4"	1"			●	●	●	●
1"	1"	1"	●	●		●	●	●
1" x 3/4"	1"	3/4"	●		●	●	●	●
1" x 1 1/4"	1"	1 1/4"	●		●	●	●	●
1" x 1 1/2"	1"	1 1/2"	●		●	●		
1" x 2"	1"	2"	●		●	●		
1 1/4"	1 1/4"	1 1/4"	●					
1 1/4" x 1"	1 1/4"	1"	●		●	●	●	●
1 1/4" x 1 1/2"	1 1/4"	1 1/2"	●		●	●		
1 1/4" x 2"	1 1/4"	2"	●		●	●	●	●
1 1/2"	1 1/2"	1 1/2"	●	●		●	●	●
1 1/2" x 2"	1 1/2"	2"	●		●	●	●	●
2"	2"	2"	●	●		●	●	●
2" x 1 1/2"	2"	1 1/2"	●					

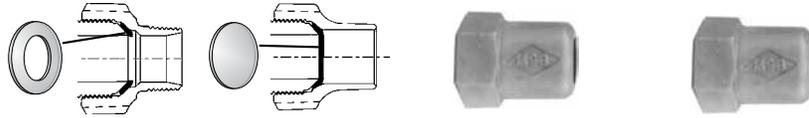
Size	Nut	Female Flare	74755T T CTS Compression x Female Flare	74755-33 -33 PEP Compression x Female Flare	74755-3G -3G PEP Compression x Female Flare	74755-3Q -3Q PEP Compression x Female Flare	74755-44 -44 PVC Compression x Female Flare	74755-55 -55 IP Compression x Female Flare
3/4"	3/4"	3/4"	●	●	●	●	●	●
3/4" x 1/2"	3/4"	1/2"	●					
3/4" x 1"	3/4"	1"	●					
1"	1"	1"	●	●	●	●	●	●
1" x 3/4"	1"	3/4"	●					
1" x 1 1/4"	1"	1 1/4"	●					
1" x 1 1/2"	1"	1 1/2"	●					
1" x 2"	1"	2"	●				●	
1 1/4" x 1"	1 1/4"	1"	●					
1 1/4" x 1 1/2"	1 1/4"	1 1/2"	●					
1 1/4" x 2"	1 1/4"	2"	●					
1 1/2"	1 1/2"	1 1/2"	●					
1 1/2" x 2"	1 1/2"	2"	●					
2"	2"	2"	●					

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" **only**.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" **only**.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are **required** on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.

Couplings for use w/ Copper Flare Outlets

A.Y. McDonald Service Fittings are made in the United States of America and are manufactured to meet or exceed the AWWA C800 (latest revision) standard. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water **only**. EPDM rubber gaskets are used in our compression fittings.



			4755GSKT	6125	6130CC	6130CE
	Female Flare	End	Copper Gasket for 4755 Connection	Solid Copper Disc	Female Flare x Copper Tube Compression Coupling	Female Flare x CTS PE Compression Coupling includes Stiffener
Size						
1/2"	1/2"	1/2"	●			
3/4"	3/4"	3/4"	●	●	●	●
1"	1"	1"	●	●	●	●
1 1/4"	1 1/4"	1 1/4"	●			
1 1/2"	1 1/2"	1 1/2"	●			
2"	2"	2"	●			

Di-Electric Unions

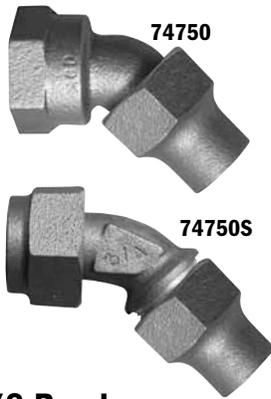
A.Y. McDonald Service Fittings are made in the United States of America and are manufactured to meet or exceed the AWWA C800 (latest revision) standard. Our service fittings are rated to withstand the same pressures as the tubing it is being used on. They are designed and tested for cold potable water **ONLY**. EPDM rubber gaskets used with our compression fittings.



			74755DB	74755DB-22	74755DBQ	74755DBT
	Nut	Female Flare	Flare x Female Flare	-22 CTS Compression x Female Flare	Q CTS Compression x Female Flare	T CTS Compression x Female Flare
Size						
3/4"	3/4"	3/4"	●	●	●	●
1"	1"	1"	●	●	●	●
1 1/2"	1 1/2"	1 1/2"	●	●	●	●
2"	2"	2"	●	●	●	●

OPTIONS

- Insert stiffeners are **required** on all flexible plastic connections. See page 23.



Couplings for use w/ Copper Flare Outlets

A.Y. McDonald Service Fittings are made in the United States of America and are manufactured to meet or exceed the AWWA C800 (latest revision) standard. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water **only**. EPDM rubber gaskets are used in our compression fittings.

1/8 Bend

			74750	74750-22	74750G	74750Q	74750T
Size	Female Flare	Nut	Fixed Female Flare x Flare	Fixed Female Flare x -22 CTS Compression	Fixed Female Flare x G CTS Compression	Fixed Female Flare x Q CTS Compression	Fixed Female Flare x T CTS Compression
3/4"	3/4"	3/4"	●	●	●	●	●
1"	1"	1"	●	●			●

			74750S	74750S-22	74750SG	74750SQ	74750ST	74750S-44
Size	Swivel Female Flare	Nut	Swivel Female Flare x Flare	Swivel Female Flare x -22 CTS Compression	Swivel Female Flare x G CTS Compression	Swivel Female Flare x Q CTS Compression	Swivel Female Flare x T CTS Compression	Swivel Female Flare x -44 PVC Compression
3/4"	3/4"	3/4"	●	●	●	●	●	
1"	1"	1"	●	●	●	●	●	
1½"	1½"	1½"	●	●	●	●	●	●
2"	2"	2"	●	●	●	●	●	●

1/4 Bend

			74776	74776-22	74776G	74776Q	74776T
Size	Female Flare	Nut	Fixed Female Flare x Flare	Fixed Female Flare x -22 CTS Compression	Fixed Female Flare x G CTS Compression	Fixed Female Flare x Q CTS Compression	Fixed Female Flare x T CTS Compression
3/4"	3/4"	3/4"	●	●	●	●	●
1"	1"	1"	●	●	●	●	●
1¼"	1¼"	1¼"	●	●			●



1/4 Bend w/ Swivel

			74776S	74776S-22	74776SG	74776SQ	74776ST
Size	Swivel Female Flare	Nut	Swivel Female Flare x Flare	Swivel Female Flare x -22 CTS Compression	Swivel Female Flare x G CTS Compression	Swivel Female Flare x Q CTS Compression	Swivel Female Flare x T CTS Compression
3/4"	3/4"	3/4"	●	●	●	●	●
1"	1"	1"	●	●	●	●	●
1¼" x 1"	1¼"	1"	●	●	●	●	●
1½"	1½"	1½"	●	●	●	●	●
2"	2"	2"	●	●	●	●	●



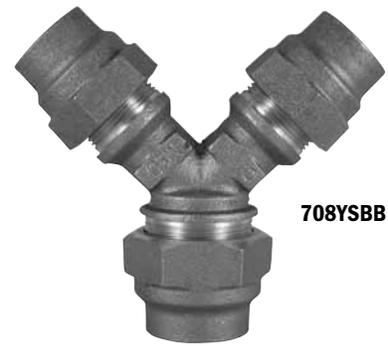
			74776S-33	74776S-3G	74776S-3Q	74776S-44	74776S-55
Size	Swivel Female Flare	Nut	Swivel Female Flare x -33 PEP Compression	Swivel Female Flare x -3G PEP Compression	Swivel Female Flare x -3Q PEP Compression	Swivel Female Flare x -44 PVC Compression	Swivel Female Flare x -55 IP Compression
1"	1"	1"	●	●	●	●	●
1½"	1½"	1½"				●	
2"	2"	2"	●			●	

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" **only**.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" **only**.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are **required** on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.

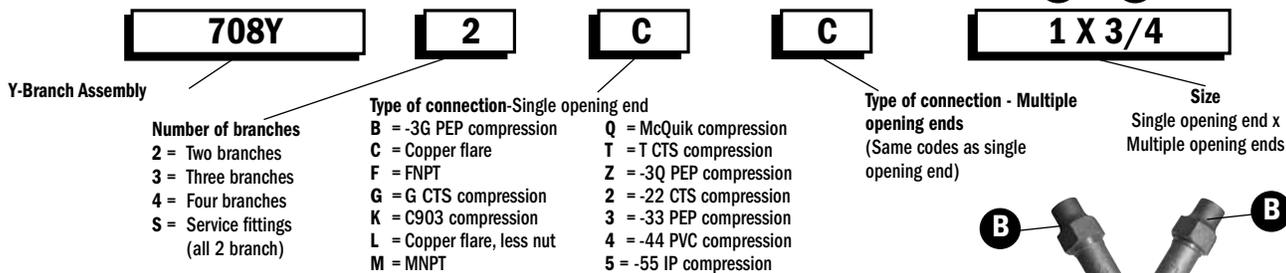
Y-Branches

A.Y. McDonald Service Fittings are made in the United States of America and are manufactured to meet or exceed the AWWA C800 (latest revision) standard. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water **only**. EPDM rubber gaskets are used in our compression fittings.



708YSBB

To order Y-Branch Assemblies: Model No. 08Y2CC 1 x 3/4 means:



Y-Branch Assembly

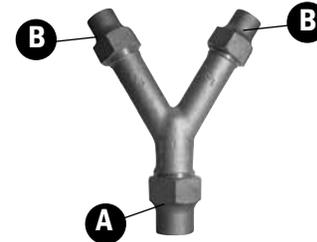
Number of branches
 2 = Two branches
 3 = Three branches
 4 = Four branches
 S = Service fittings
 (all 2 branch)

Type of connection - Single opening end

B = -3G PEP compression
 C = Copper flare
 F = FNPT
 G = G CTS compression
 K = C903 compression
 L = Copper flare, less nut
 M = MNPT
 Q = McQuik compression
 T = T CTS compression
 Z = -3Q PEP compression
 2 = -22 CTS compression
 3 = -33 PEP compression
 4 = -44 PVC compression
 5 = -55 IP compression

Type of connection - Multiple opening ends
 (Same codes as single opening end)

Size
 Single opening end x
 Multiple opening ends



Size	708YSCC		708YS22		708YSGG		708YSQQ		708YSTT	
	Single End	Multiple Ends	Flare x Flare	-22 CTS Compression x -22 CTS Compression	G CTS Compression x G CTS Compression	Q CTS Compression x Q CTS Compression	T CTS Compression x T CTS Compression			
1" x 3/4"	1"	3/4"	●	●	●	●	●			
1 1/4" x 1"	1 1/4"	1"		●	●	●	●			
1 1/2" x 1"	1 1/2"	1"		●	●	●	●			
2" x 1"	2"	1"		●	●	●	●			

Size	708YS33		708YSBB		708YSZZ		708YS44		708YS55	
	Single End	Multiple Ends	-33 PEP Compression x -33 PEP Compression	-3G PEP Compression x -3G PEP Compression	-3Q PEP Compression x -3Q PEP Compression	-44 PVC Compression x -44 PVC Compression	-55 IP Compression x -55 IP Compression			
1" x 3/4"	1"	3/4"	●	●	●	●	●			

Size	708YSMC		708YSM2		708YSMG		708YSMQ		708YSMT	
	Single End	Multiple Ends	MNPT x Flare	MNPT x -22 CTS Compression	MNPT x G CTS Compression	MNPT x Q CTS Compression	MNPT x T CTS Compression			
1" x 3/4"	1"	3/4"	●	●	●	●	●			

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" **only**.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" **only**.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are **required** on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.

Y-Branches



Size	Single End	Multiple Ends	708Y2MC	708Y2CC	708Y2M2	708Y2MG
			MNPT x Flare	Flare x Flare	MNPT x -22 CTS Compression	MNPT x G CTS Compression
1" x 3/4"	1"	3/4"		●		
1" x 1"	1"	1"		●		
1 1/4" x 3/4"	1 1/4"	3/4"		●		
1 1/4" x 1"	1 1/4"	1"		●		
1 1/2" x 1"	1 1/2"	1"	●	●	●	●
2" x 1"	2"	1"	●	●	●	●



Size	Single End	Multiple Ends	708Y2MQ	708Y2MT	708Y3MC	708Y3CC
			MNPT x Q CTS Compression	Flare x T CTS Compression	MNPT x Flare	Flare x Flare
1 1/2" x 3/4"	1 1/2"	3/4"	●	●	●	●
1 1/2" x 1"	1 1/2"	1"	●	●	●	●
2" x 1"	2"	1"	●	●	●	●



Size	Single End	Multiple Ends	708Y4CC	708Y422	708Y4GG	708Y4QQ	708Y4TT
			Flare x Flare	-22 CTS Compression x -22 CTS Compression	G CTS Compression x G CTS Compression	Q CTS Compression x Q CTS Compression	T CTS Compression x T CTS Compression
2" x 3/4"	2"	3/4"	●	●	●	●	●
2" x 1"	2"	1"	●	●	●	●	●



Size	Single End	Multiple Ends	708Y4MC	708Y4M2	708Y4MG	708Y4MQ	708Y4MT
			MNPT x Flare	MNPT x -22 CTS Compression	MNPT x G CTS Compression	MNPT x Q CTS Compression	MNPT x T CTS Compression
2" x 3/4"	2"	3/4"	●	●	●	●	●
2" x 1"	2"	1"	●	●	●	●	●



Size	Single End	Multiple Ends	74765
			FNPT x FNPT
2" x 1"	2"	1"	●

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" **only**.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" **only**.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are **required** on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.

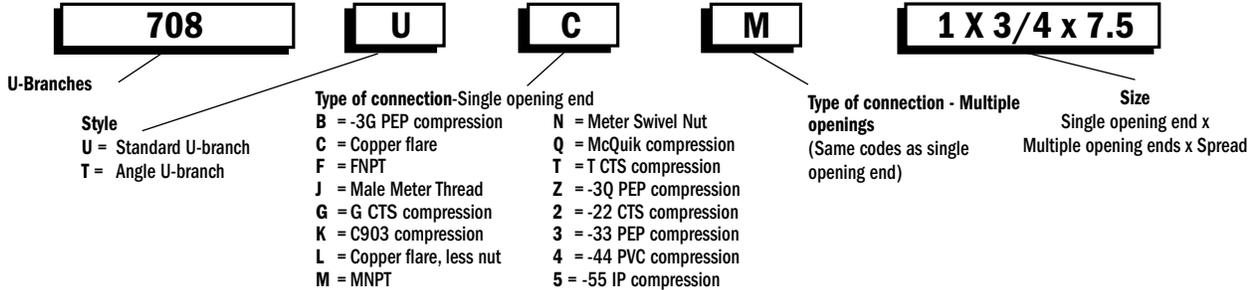
U-Branches

A.Y. McDonald Service Fittings are made in the United States of America and are manufactured to meet or exceed the AWWA C800 (latest revision) standard. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. EPDM rubber gaskets are used in our compression fittings.

- U-branches available with valve assembled - contact factory.



To order U-Branch Assemblies: Model No. 08UCM 1 x 3/4 x 7.5 means:



Size	Single End	Multiple Ends	Spread	708UFF	708UFM	708UMM	708UCM	708U2M	708UGM
				FNPT x FNPT	FNPT x MNPT	MNPT x MNPT	Flare x MNPT	-22 CTS Compression x MNPT	G CTS Compression x MNPT
1" x 3/4" x 6.5"	1"	3/4"	6.5"		●		●	●	●
1" x 3/4" x 7.5"	1"	3/4"	7.5"	●	●	●	●	●	●
1" x 3/4" x 14" ▲	1"	3/4"	14"		●	●	●	●	●
1" x 1" x 7.5"	1"	1"	7.5"		●	●	●	●	●
1" x 1" x 14" ▲	1"	1"	14"		●	●	●	●	●
1" x 1" x 18"	1"	1"	18"	●	●	●	●	●	●
1 1/2" x 3/4" x 7.5"	1 1/2"	3/4"	7.5"		●	●	●	●	●
1 1/2" x 1" x 9"	1 1/2"	1"	9"		●	●	●	●	●
1 1/2" x 1" x 12" ▲	1 1/2"	1"	12"			●			●
2" x 1" x 9"	2"	1"	9"			●			

Size	Single End	Multiple Ends	Spread	708UQM	708UTM	708U3M	708UBM
				Q CTS Compression x MNPT	T CTS Compression x MNPT	-33 PEP Compression x MNPT	-3G PEP Compression x MNPT
1" x 3/4" x 6.5"	1"	3/4"	6.5"	●	●		
1" x 3/4" x 7.5"	1"	3/4"	7.5"	●	●	●	●
1" x 3/4" x 14" ▲	1"	3/4"	14"	●	●		
1" x 1" x 7.5"	1"	1"	7.5"	●	●		
1" x 1" x 18"	1"	1"	18"	●	●		
1 1/2" x 3/4" x 7.5"	1 1/2"	3/4"	7.5"	●	●		
1 1/2" x 1" x 9"	1 1/2"	1"	9"	●	●		

Size	Single End	Multiple Ends	Spread	708UZM	708U4M	708U5M	708UJN
				-3Q PEP Compression x MNPT	-44 PVC Compression x MNPT	-55 IP Compression x MNPT	Male Meter Thread x Meter Swivel Nuts
1" x 3/4" x 7.5"	1"	3/4"	7.5"	●	●	●	
1" x 1" x 8" ▲	1"	1"	8"				●
1 1/4" x 1" x 9"	1 1/4"	1"	9"		●		
1 1/2" x 3/4" x 7.5"	1 1/2"	3/4"	7.5"		●	●	

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" only.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" only.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are **required** on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.

▲ Assembled and tested

Angle U-Branches



Size	Single End	Multiple Ends	Spread	708TFM	708TMM	708TCM	708T2M	708TTM
				FNPT x MNPT	MNPT x MNPT	Flare x MNPT	-22 CTS Compression x MNPT	T CTS Compression x MNPT
1" x 3/4" x 6.5"	1"	3/4"	6.5"	●		●	●	●
1½" x 1" x 12" ▲	1½"	1"	12"		●			

Miscellaneous



Size	Lead	Nut	73202	73205	73207
			X Stong Lead Flange x FNPT	X Stong Lead Flange x Flare	X Stong Lead Flange x MNPT
1/2"	1/2"	1/2"	●		
5/8"	5/8"	5/8"	●	●	
3/4"	3/4"	3/4"	●	●	●
1"	1"	1"	●	●	



Size	End	End	74756	74660
			Flare x Flare Two-part union w/ "wedding ring"	Fixed Flare x Barbed Copper Flare to Polyethylene Insert Coupling 4755G gasket included
3/4"	3/4"	3/4"	●	●
1"	1"	1"	●	●
1¼"	1¼"	1¼"	●	
1½"	1½"	1½"	●	
2"	2"	2"	●	●

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" **only**.
- For C903 tube - Replace "Q" with "K". On "Q" Series options only 3/4" x 1" **only**.
- For valve or fitting less flare nut add "L" to end of model number.
- CTS Anode (QA) & Flare Anode (A) - Replace "Q" with QA or add "A" to flare.
- Insert stiffeners are **required** on all flexible plastic connections. See page 23.
- See page 15 for Flare conversion adapters.

▲ Assembled and tested

Flaring & Re-rounding TOOL INSTRUCTIONS

WARNING - THE FOLLOWING INSTRUCTIONS MUST BE READ AND FOLLOWED AT ALL TIMES.
IMPORTANT - ALWAYS WEAR SAFETY GOGGLES WHEN WORKING WITH THIS TOOL.

Re-rounding

Sizes Available -
3/4", 1", 1 1/4", 1 1/2", 2"



1. Cut copper tubing with appropriate wheel-type cutter. Be sure cut is square.
2. De-burr inside of cut tube (some cutters are equipped with de-burring tool).
3. Insert tapered end of tool into copper tubing.
4. Hit the tool end with soft face brass hammer to drive it into tube (steel hammers are not recommended). Drive only to within 1/2" of flare part of tool.

Flaring

Sizes Available -
3/4", 1", 1 1/4", 1 1/2", 2"

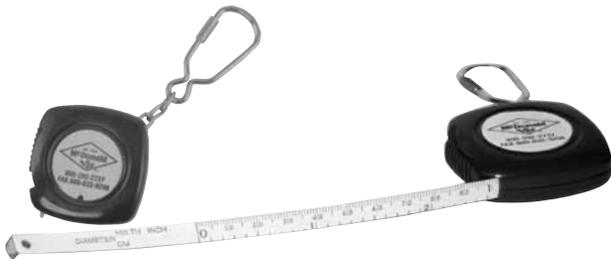


1. Cut copper tubing with appropriate wheel-type cutter.
2. De-burr inside of cut tube (some cutters are equipped with de-burring tool).
3. Put flared tube nut onto tubing.
4. Grease shoulder and shank of tool (use potable grease).
5. Insert tapered end of tool into copper tubing.
6. Drive tool into copper tube using soft face brass hammer (steel hammers are not recommended).
7. Rotate tool continuously and slide tube nut up to flare after each series of driving flare tool into tube.
8. Continue to flare tube until flare is snug inside tube nut. Tube nut should still spin freely by hand.
9. If tube cracks, or flare is unusable, re-cut tube and start over.

THESE ARE ONLY COMMON INSTRUCTIONS FOR RE-ROUNDING AND FLARING COPPER TUBING.
THE MANUFACTURER DOES NOT GUARANTEE, AND IS NOT RESPONSIBLE FOR ANY LOSS OR DAMAGE AS A RESULT OF THESE INSTRUCTIONS.

4770 Tape Measure with O.D. Scale

Side One - O.D. Scale · Side Two - Inches/Metric
1 3/4" x 1 3/4" x 7/16" - 79" - 200cm



Wrench on Brass Valves & Fittings



Do NOT use a pipe wrench with serrated jaws



Use a wrench with smooth jaws

Abbreviations / Definitions

AWWA	American Water Works Association Standard Thread / Corporation Cock, this thread has a steeper taper than Male National Pipe Threads
CTS Suffix -22, T or Q	Copper Tube Size, copper tube (type K or L) or copper tube size polyethylene (ASTM D2737 SDR 9) or Polybutylene (ASTM D2666 SDR 9), insert stiffeners are required when using polyethylene or polybutylene.
FFLR	Female Copper Flared Connection Thread / inside thread, includes copper gasket.
FLR	Flared end with nut, for use with copper tube
FNPT	Female National Pipe Thread / inside tapered thread
IP Suffix -55	Iron Pipe / Galvanized Iron Pipe (not threaded)
IPS or PEP Suffix -33	I.D. based polyethylene pipe, for use with polyethylene (ASTM D2239 SDR 7) or Polybutylene (ASTM D 2662 SDR 7), insert stiffeners are required when using polyethylene or polybutylene.
MFLR	Male Copper Flared Connection Thread / outside thread.
MNPT	Male National Pipe Thread / outside tapered thread
PE	Polyethylene
PVC Suffix -44	Polyvinyl Chloride, ridged plastic pipe, Schedule 40 or 80 only (ASTM D1785)

NOTE: Materials meet or exceed A.W.W.A. standard C-800.

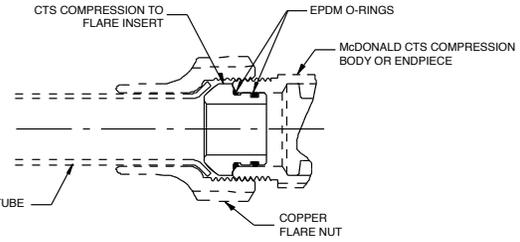
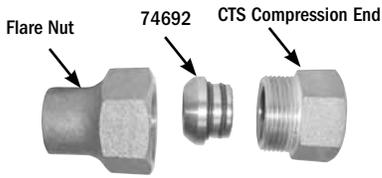
74692 - 74693



74692 - 3/4", 1", 1 1/4"
Converts 3/4" & 1" CTS compression to 3/4" or 1" Flare

74692CPL - 1 1/2"
Converts 3/4" & 1" CTS compression to 3/4" or 1" Flare

74692PEP - 3/4"
Converts 3/4" & 1" CTS compression to 3/4" or 1" Flare



74693 - 3/4", 1"
CTS Compression Plug
Plugs 3/4" & 1" CTS



Insert Stiffeners

Insert Stiffeners required on all flexible plastic connections
Materials meet or exceed AWWA standard C800

6131T - PLASTIC
For copper tube size polyethylene



Sizes: 3/4", 1"
POLYETHYLENE - ASTM D2737 SDR 9 - TUBE SIZE
PEX TUBING - ASTM F876 - SDR 9 - CSA B137.5
POLYBUTYLENE - ASTM D2666 SDR 9 - TUBE SIZE - CLASS 250

6133T - STAINLESS STEEL
For copper tube size polyethylene



Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"

6136 - STAINLESS STEEL
For ID PEP SDR7 controlled



Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"
POLYBUTYLENE - ASTM D2662 SDR 7 - or
POLYETHYLENE - ASTM D2239 SDR 7 - PIPE SIZE

6137 - STAINLESS STEEL
For OD controlled PEP SDR9



Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"
POLYETHYLENE - ASTM D3035 SDR 9 - OD CONTROLLED - PIPE SIZE

6138 - STAINLESS STEEL
For OD controlled PEP SDR11



Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"
POLYETHYLENE - ASTM D3035 SDR 11 - OD CONTROLLED - PIPE SIZE



A.Y. McDonald Mfg. Co. is a leading manufacturer of Waterworks Brass, Plumbing Valves, Pumps and Water Systems, and High Pressure Gas Valves and Meter Bars. The Company has distinguished itself with a proud tradition of quality and reliability since its founding in 1856.

The mission of A.Y. McDonald Mfg. Co., in the words of our founder, is “to make good products and sell them honestly.” We, the stockholders and employees, accomplish this by extending the McDonald family culture through excellent customer service and by focusing on our customers’ needs.



WARNING: It is unlawful in CALIFORNIA & VERMONT (effective 1/1/2010); MARYLAND (effective 1/1/2012); LOUISIANA (effective 1/1/2013) and the UNITED STATES OF AMERICA (effective 1/4/2014) to use any product in the installation or repair of any public water system or any plumbing in a facility or system that provides water for human consumption if the wetted surface area of the product has a weighted average lead content greater than 0.25%. This prohibition does not extend to service saddles used in California, Louisiana or under USA Public Law 111-380.

