



Curb Stops

Regular & Minneapolis Pattern



Table of Contents

	Page		Page
General Information.....	2-3	Inverted Plug Valves - Regular Pattern	
Ball Valves - Regular Pattern		Regular Pattern.....	10
Regular Pattern - Straight.....	4-6	Minneapolis Style.....	10
Di-electric Connections.....	5	Tapered Plug	
Blow-off Valves.....	6	Square Head.....	10
Stop & Drain Ball Valves		Port Angle Curb Valves	
Regular Pattern.....	7	Full Port.....	11
Minneapolis Pattern.....	7	Angle - Plug Style.....	11
Right Open.....	8	Reduced Port.....	11
Ball Valve - Right Open.....	8		
Ball Valves - Minneapolis Pattern			
Ball Valves.....	9		
Di-electric Connections.....	9		

A.Y McDonald Mfg. Co is a world leader in the design and manufacturing of brass water service products. We proudly offer to you our complete line of Curb Stops, designed to meet your every application. For projects that require unique curb stops, contact our factory. Our product professionals would be happy to find a solution for you.

The "Curb Stop" was originally designed as the water shutoff valve between the main utility service line and the private home. Although this is generally still true, the Curb Stop has been utilized in numerous other applications within the water service industry. Today, this critical link in the water service line-up has grown to include many variations in size, shape and end connections.

Outlet Connections



Flare



-22, -33, -44



G & -3G



H & -3H



Q & -3Q



T

Minneapolis Pattern











Minneapolis Pattern Curb Stops have male threads on top that screw onto the female threads machined into the bottom of Minneapolis Pattern Curb Boxes. Threading the Curb Stop in the Curb Box gives a unified valve/box assembly that assures their alignment. The charts below identify size of threads in base casting of Curb Boxes and at top of Curb Stops.



MINNEAPOLIS INVERTED PLUG TYPE CURB STOPS			MINNEAPOLIS BALL VALVE CURB STOPS		
Curb Box Base Tapped	1 1/2"	2"	Curb Box Base Tapped	1 1/2"	2"
Inverted Plug Valve Size	3/4"	1"	Ball Valve Size	3/4", 1" or 1 1/4" x 1 x 1 1/4"	1 1/2", 2" or 1 1/4" x 1 1/2" x 1 1/4"

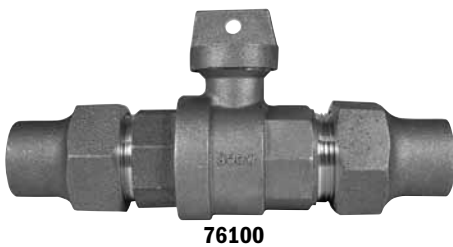
Ball Valves with:

- 360° degree rotation of operating head, replace third digit in model number with a "1". →  Example: 76100 becomes 76110.
- Cap for "Reclaimed Water" change model number by adding "RWC" to end of model number. →  Example: 76100-22 3/4" becomes 76100-22RWC 3/4"
- Tag for "Reclaimed Water" change model number by adding "RWT" to end of model number. →  Example: 76100-22 3/4" becomes 76100-22RWT 3/4"
- Double Lockwing for locking in open and closed position, add W to model # i.e. 76100W - 76100WW → 
- Factory assembled handles, contact factory (see Meter Valves catalog for handle options) → 
- C-903 connections, replace "Q" in model number with "K". Available in 3/4" & 1" sizes only. → 
- Anode, Tracer Wire, or Thaw wire connection add "A" to flared, "T" or "Q" connections. Example 76100 3/4" becomes 76100A 3/4", 76100T 3/4" becomes 76100TA 3/4" or 76100Q 3/4" becomes 76100QA 3/4".
- Cross type connection, contact factory. → 
- Special end-to-end lengths. Contact factory. → 
- British Standard Pipe threads, contact factory.
- Insert stiffeners are required on all flexible plastic connections ("T", -3Q, "Q", -22, & -33) See the Service Fittings section.
- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" only.
- With or without lockwing, add "W" to model number for lockwing: 76100 - 76100W.

Ball Valves - Regular Pattern

Rated for 300 PSIG

A.Y. McDonald Ball Valve Curb Stops maintain their low turning torques and bubble-tight 300 PSIG water pressure rating due to the PTFE coated brass ball that is supported by two blow-out proof EPDM seals. The end piece joint is sealed with an EPDM o-ring and thread locker. McDonald Ball Curb Stops offer positive shut-off from either direction and are available with a wide variety of end connections or Minneapolis Curb Box Threads. A brass 2" square operating head that is easily pinned to existing curb stops is available separately.



Model #	Connection	3/4" x 5/8" x 3/4"	3/4"	3/4" x 1" x 3/4"	3/4" x 1" x 1"	1" x 3/4" x 3/4"	1" x 3/4" x 1"	1"	1 1/4" x 1" x 1"	1 1/4" x 1" x 1 1/4"	1 1/4" x 1 1/2" x 1 1/4"	1 1/2"	1 1/2" x 2" x 1 1/2"	2"
76100	Flare	●	●			●	●	●	●	●	●	●		●
76100-22	-22 CTS Compression	●	●			●	●	●	●	●		●		●
76100-22-33	CTS x PEP Compression		●					●						●
76100-22-44	CTS x PVC Compression		●					●						●
76100-22-55	CTS x IP Compression		●					●						●
76100G	G CTS Compression	●	●			●	●	●	●	●		●		●
76100Q	Q CTS Compression	●	●			●	●	●	●	●		●		●
76100Q-3Q	CTS x PEP Compression		●					●						●
76100T	T CTS Compression	●	●			●	●	●	●	●		●		●
76100-33	-33 PEP Compression		●	●	●			●			●		●	●
76100-3G	-3G PEP Compression		●	●	●			●						●
76100-3Q	-3Q PEP Compression		●	●	●			●						●
76100-44	-44 PVC Compression		●	●	●			●			●	●		●
76100-55	-55 IP Compression		●	●	●			●						●

Model #	FNPT x END Connection	3/4" x 5/8" x 3/4"	3/4"	3/4" x 3/4" x 1"	3/4" x 1" x 1"	1" x 3/4" x 3/4"	1" x 3/4" x 1"	1"	1 1/4" x 1" x 1"	1 1/4" x 1" x 1 1/4"	1 1/4" x 1 1/2" x 1 1/4"	1 1/4" x 1 1/2" x 1 1/2"	1 1/2"	2"
76102	Flare	●	●	●		●	●	●	●	●			●	●
76102-22	-22 CTS Compression	●	●	●		●	●	●	●	●			●	●
76102G	G CTS Compression	●	●	●		●	●	●	●	●			●	●
76102Q	Q CTS Compression	●	●	●		●	●	●	●	●			●	●
76102T	T CTS Compression	●	●	●		●	●	●	●	●			●	●
76102-33	-33 PEP Compression	●	●	●	●			●			●		●	●
76102-3G	-3G PEP Compression	●	●	●	●			●						●
76102-3Q	-3Q PEP Compression	●	●	●	●			●						●
76102-44	-44 PVC Compression	●	●	●	●	●		●		●	●	●	●	●
76102-55	-55 IP Compression	●	●	●	●			●						●

*Single size denotes same size inlet, ball and outlet. When multiple sizes are present first inlet connection, second ball, and third outlet connection.

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" only.
- With or without lockwing, add "W" to model number for lockwing: 76100 - 76100W.

Ball Valves - Regular Pattern

Rated for 300 PSIG



76101

A.Y. McDonald Ball Valve Curb Stops maintain their low turning torques and bubble-tight 300 PSIG water pressure rating due to the PTFE coated brass ball that is supported by two blow-out proof EPDM seals. The end piece joint is sealed with an EPDM o-ring and thread locker. McDonald Ball Curb Stops offer positive shut-off from either direction and are available with a wide variety of end connections or Minneapolis Curb Box Threads. A brass 2" square operating head that is easily pinned to existing curb stops is available separately.

- For outlet connection options, see page 2.

Model #	Connection	1/2" x 5/8" x 1/2"	3/4" x 5/8" x 3/4"	3/4"	1" x 3/4" x 3/4"	1" x 3/4" x 1"	1"	1 1/4" x 1" x 1"	1 1/4" x 1" x 1 1/4"	1 1/4" x 1 1/2" x 1 1/4"	1 1/2"	2"	2 1/2" x 2" x 2 1/2"
76101	FNPT	●	●	●	●	●	●	●	●	●	●	●	●



76103-22

Model #	Flare x End Connection	3/4"	1" x 3/4" x 3/4"	1"
76103-22	-22 CTS Compression	●	●	●
76103G	G CTS Compression	●		●
76103Q	Q CTS Compression	●		●
76103T	T CTS Compression	●	●	●
76103-3G	-3G PEP Compression	●		●
76103-3Q	-3Q PEP Compression	●		●

Ball Valves - Di-Electric Connections

A.Y. McDonald Ball Curb Stops with Di-Electric connection maintain their low turning torques and bubble-tight 300 PSIG water pressure rating due to the PTFE coated brass ball that is supported by two blow-out proof EPDM seals. The end piece joint is sealed with EPDM o-ring and thread locker. McDonald Ball Curb Stops offer positive shut-off from either direction and are available with a wide variety of end connections or Minneapolis Curb Box Threads. A brass 2" square operating head that is easily pinned to existing curb stops is available separately. A nylon bushing is available and factory assembled and tested. This nylon bushing is designed to stop the flow of stray electrical current. Many configurations are available, contact factory to design for your requirements.



76100DB-22

Model #	Connection	3/4"	1"	1 1/2"	2"
76100DB	Copper Flare	●	●	●	●
76100DBQ	Q CTS Compression	●	●		
76100DB-22	-22 CTS Compression	●	●	●	●
76100DBQ-44	-44 PVC Compression				●

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" only.
- With or without lockwing, add "W" to model number for lockwing: 76103-22 - 76103W-22.

Ball Valves - Regular Pattern

Rated for 300 PSIG

A.Y. McDonald Ball Valve Curb Stops maintain their low turning torques and bubble-tight 300 PSIG water pressure rating due to the PTFE coated brass ball that is supported by two blow-out proof EPDM seals. The end piece joint is sealed with an EPDM o-ring and thread locker. McDonald Ball Curb Stops offer positive shut-off from either direction and are available with a wide variety of end connections or Minneapolis Curb Box Threads. A brass 2" square operating head that is easily pinned to existing curb stops is available separately.

- For outlet connection options, see page 2.



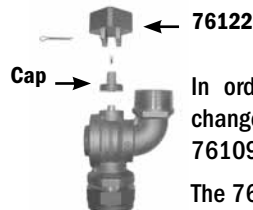
76107-22

Model #	MNPT x Connection	3/4" x 3/4" x 1"	3/4"	1"	1 1/2"	2"
76107	FNPT		●	●	●	●
76107P	MNPT			●		●
76107-22	-22 CTS Compression		●	●	●	●
76107G	G CTS Compression	●	●	●	●	●
76107Q	Q CTS Compression	●	●	●	●	●
76107T	T CTS Compression		●		●	
76107-33	-33 PEP Compression			●		
76107-44	-44 PVC Compression			●		
76107-55	-55 IP Compression					●



76109B

Model #	MNPT x End Connection	1" x 1" x 3/4"	2" x 1 1/2" x 2"
76109B	Copper Flare	●	●
76109BF	FNPT x MNPT		●
76109B-22	-22 CTS Compression		●
76109BG	G CTS Compression		●
76109BQ	Q CTS Compression		●
76109BT	T CTS Compression		●



In order to purchase this item, you must change the model numbers for example: 76109BT to 76109BCAPT.

The 76122 is sold separately.

OPTIONS

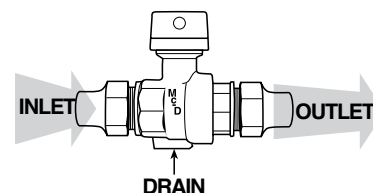
- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" **only**.
- With or without lockwing, add "W" to model number for lockwing: 76107 - 76107W.

Stop & Drain Ball Valves

Rated for 150 PSIG

A.Y. McDonald Stop & Drain Ball Valves maintain their low turning torques and bubble-tight 150 PSIG water pressure rating due to the PTFE coated brass ball that is supported by two blow-out proof EPDM seals. The end piece joint is sealed with an EPDM o-ring and thread locker. McDonald Stop and Drain Ball Curb Stops offer positive shut-off from inlet direction only, and are available with a wide variety of end connections or Minneapolis Curb Box Threads. A brass 2" square operating head that is easily pinned to existing curb stops is available separately.

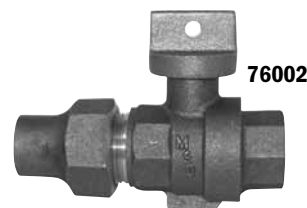
- All Stop & Drain ball valves are directional.
- For outlet connection options, see page 2.



76001



76001C



76002

Model #	Connection	3/4"	1"	1 1/4" x 1 1/2" x 1 1/4"	1 1/2"	2"
76001	FNPT	●	●	●	●	●
76001C	FNPT	●	●		●	●

Model #	FNPT x End Connection	3/4"	1"
76002	Flare	●	
76002-22	-22 CTS Compression	●	●
76002G	G CTS Compression	●	●
76002Q	Q CTS Compression	●	●
76002T	T CTS Compression	●	●

Minneapolis Style



76004

Model #	Connection	3/4"	1"	1 1/4" x 1 1/2" x 1 1/4"	1 1/2"	1 1/2" x 2" x 1 1/2"	2"
76004	Flare	●	●		●		●
76004-22	-22 CTS Compression	●	●		●		●
76004G	G CTS Compression	●	●		●		●
76004Q	Q CTS Compression	●	●		●		●
76004QC	Q CTS Compression	●	●		●		●
76004T	T CTS Compression	●	●		●		●
76004-33	-33 PEP Compression					●	●
76004-44	-44 PVC Compression				●		●
76005	FNPT	●	●	●	●		●
76006-44	-44 PVC Compression				●		●

OPTIONS

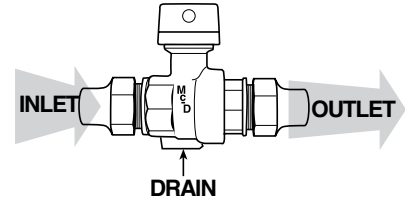
- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" only.

Stop & Drain Ball Valves - Right Open

Rated for 150 PSI

A.Y. McDonald Stop & Drain Ball Valves maintain their low turning torques and bubble-tight 150 PSIG water pressure rating due to the PTFE coated brass ball that is supported by two blow-out proof EPDM seals. The end piece joint is sealed with an EPDM o-ring and thread locker. McDonald Stop and Drain Ball Curb Stops offer positive shut-off from inlet direction only, and are available with a wide variety of end connections or Minneapolis Curb Box Threads. A brass 2" square operating head that is easily pinned to existing curb stops is available separately.

- All Stop & Drain ball valves are directional.
- For outlet connection options, see page 2.



76070-22

Model #	Connection	3/4"	1"	1 1/4" x 1 1/2" x 1 1/4"	1 1/2"	2"
76070	Flare				●	●
76070NE	Flare - New England	●	●			
76070-22	-22 CTS Compression	●	●		●	●
76070G	G CTS Compression	●	●		●	●
76070Q	Q CTS Compression	●	●		●	●
76070T	T CTS Compression	●	●		●	●
76071	FNPT	●	●	●	●	●

Ball Valves - Right Open



76170-22

Model #	Connection	3/4"	1"	1 1/4" x 1" x 1 1/4"	1 1/2"	2"
76170	Flare			●	●	●
76170NE	Flare - New England	●	●			
76170-22	-22 CTS Compression	●	●		●	●
76170G	G CTS Compression	●	●		●	●
76170Q	Q CTS Compression	●	●		●	●
76170T	T CTS Compression	●	●		●	●
76171	FNPT	●	●	●	●	●

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" only.

Ball Valves - Minneapolis Pattern

Rated for 300 PSIG



76104Q



76106

A.Y. McDonald Ball Valve Curb Stops maintain their low turning torques and bubble-tight 300 PSIG water pressure rating due to the PTFE coated brass ball that is supported by two blow-out proof EPDM seals. The end piece joint is sealed with an EPDM o-ring and thread locker. McDonald Ball Curb Stops offer positive shut-off from either direction and are available with a wide variety of end connections or Minneapolis Curb Box Threads. A brass 2" square operating head that is easily pinned to existing curb stops is available separately.

- For outlet connection options, see page 2.

Model #	Connection	3/4"	3/4" x 1" x 1"	1" x 3/4" x 3/4"	1" x 3/4" x 1"	1"	1 1/4" x 1" x 1"	1 1/4" x 1" x 1 1/4"	1 1/4" x 1 1/2" x 1 1/4"	1 1/2"	1 1/2" x 2" 1 1/2"	2"
76104	Flare	●		●	●	●	●	●	●	●		●
76104-22	-22 CTS Compression	●		●	●	●	●	●		●		●
76104-22-33	CTS x PEP Compression					●						
76104-22-44	CTS x PVC Compression	●				●						
76104G	G CTS Compression	●		●	●	●		●		●		●
76104Q	Q CTS Compression	●		●	●	●		●		●		●
76104T	T CTS Compression	●		●	●	●	●	●		●		●
76104-33	-33 PEP Compression	●	●			●			●		●	●
76104-33-44	PEP x PVC Compression					●						
76104-3G	-3G PEP Compression	●				●						
76104-3Q	-3Q PEP Compression	●				●						
76104-44	-44 PVC Compression	●	●			●			●	●		●
76104-55	-55 IP Compression	●	●			●						●

Model #	FNPT x End Connection	3/4"	3/4" x 3/4" x 1"	3/4" x 1" x 1"	1" x 3/4" x 3/4"	1" x 3/4" x 1"	1"	1" x 1" x 1 1/4"	1 1/4" x 1" x 1"	1 1/4" x 1" x 1 1/4"	1 1/4" x 1 1/2" x 1 1/4"	1 1/2"	1 1/2" x 2" 1 1/2"	2"
76106	Flare	●			●	●	●		●	●	●	●		●
76106-22	-22 CTS Compression	●			●	●	●		●	●		●		●
76106G	G CTS Compression	●			●	●	●		●	●		●		●
76106Q	Q CTS Compression	●			●	●	●	●	●	●		●		●
76106T	T CTS Compression	●			●	●	●		●	●		●		●
76106-33	-33 PEP Compression	●	●	●			●				●		●	●
76106-3G	-3G PEP Compression	●					●							
76106-3Q	-3Q PEP Compression	●					●							
76106-44	-44 PVC Compression	●	●	●			●				●	●		●
76106-55	-55 IP Compression	●	●	●			●							●
76105	FNPT	●					●				●	●		●
76108-22	-22 CTS x Flare	●					●					●		●
76109	MNPT	●					●					●		●

*Single size denotes same size inlet, ball and outlet. When multiple sizes are present first inlet connection, second ball, and third outlet connection.

Ball Valves - Di-Electric Connections

A.Y. McDonald Ball Curb Stops with Di-Electric connection maintain their low turning torques and bubble-tight 300 PSIG water pressure rating due to the PTFE coated brass ball that is supported by two blow-out proof EPDM seals. The end piece joint is sealed with EPDM o-ring and thread locker. McDonald Ball Curb Stops offer positive shut-off from either direction and are available with a wide variety of end connections or Minneapolis Curb Box Threads. A brass 2" square operating head that is easily pinned to existing curb stops is available separately. A nylon bushing is available and factory assembled and tested. This nylon bushing is designed to stop the flow of stray electrical current. Many configurations are available, contact factory to design for your requirements.



Model #	Connection	3/4"	1"
76104DBQ	Q CTS Compression	●	●

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" only.

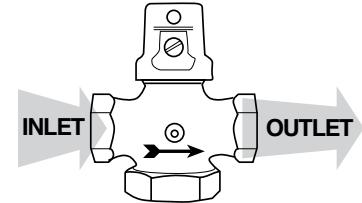
Inverted Plug Valves - Regular Pattern

Pressure ratings are: 100 PSIG for 3/4", 1" and 80 PSIG for 1 1/4", 1 1/2", 2"

Inverted Plug style valves have the large diameter of the plug at the bottom of the valve. The plug is held in position by the bottom cap which also contains a treated leather gasket. A channel is cast into the Inlet side of the valve body to allow water at the main pressure to go under the plug, exerting an upward pressure on the plug which reseats it after cycling.

To cycle the valve, hit down on the top of the plug or rod. This forces the plug down slightly, breaking the plug away from the body taper, thus lowering the turning torque momentarily (the leather gasket in the bottom cap absorbs the blow). Water pressure from the main then reseats the plug. The valve must be placed on a brick or other solid foundation to properly support the valve when it is hit to lower turning torque. Most styles of end connections are available as well as Minneapolis Pattern Curb Box Threads.

- All valves are directional
- For outlet connection options, see page 2.



74713

Model #	Connection	3/4"	1"
73061	FNPT	●	●
74711	Flare x FNPT	●	●
74713	Flare	●	●
74713-22	-22 CTS Compression	●	●
74713G	G CTS Compression	●	●
74713Q	Q CTS Compression	●	●
74713T	Q CTS Compression	●	●

Minneapolis Style



74717

Model #	Connection	3/4"	1"
73081	FNPT	●	●
74717	Flare	●	●
74717-22	-22 CTS Compression	●	●
74717G	G CTS Compression	●	●
74717Q	Q CTS Compression	●	●
74717T	Q CTS Compression	●	●

Tapered Plug



79802W



79711W

Model #	Connection	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
79711W	FNPT - Square Head		●	●	●	●		
79802W	FNPT - Square Head	●	●	●	●	●	●	●

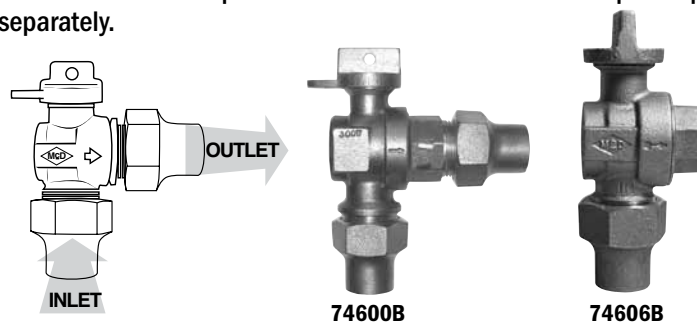
OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1"

Full Port Angle - Curb Valves

A.Y. McDonald Ball Valve Curb Stops maintain their low turning torques and bubble-tight 300 PSIG water pressure rating due to the PTFE coated brass ball that is supported by two blow-out proof EPDM seals. McDonald Ball Curb Stops offer positive shut-off from either direction and are available with a wide variety of end connections or Minneapolis Curb Box Threads. A brass 2" square operating head that is easily pinned to existing curb stops is available separately.

- 360° turn available, contact factory.
- Operating head includes lockwing.



Model #	Connection	3/4"	1"
74600B	Copper Flare	●	●
74600B-22	-22 CTS Compression	●	●
74600BT	T CTS Compression	●	●

Model #	FNPT x End Connection	3/4"	1"	1 1/2" x 1" x 1"	2"
74604BF	FNPT	●	●		●
74606B	Copper Flare	●	●		
74606B-22	-22 CTS Compression	●	●		●▲
74606BG	G CTS Compression	●	●		●
74606BQ	Q CTS Compression	●	●		●
74606BT	T CTS Compression	●	●		●
74606B-44	-44 PVC Compression				●
74606B-DPF	Double Purpose		●	●	

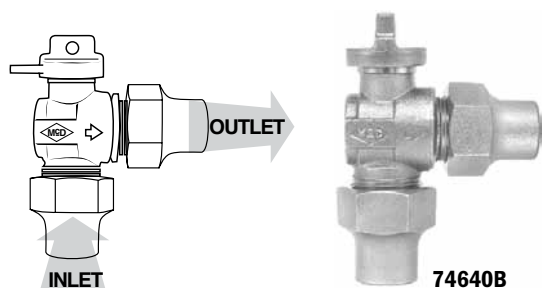
Model #	FNPT x End Connection	3/4"	1"
74608B	Flare	●	●
74608B-22	-22 CTS Compression	●	●
74608BT	T CTS Compression	●	●

▲ Assembled w/ male adapter water tight

Angle Curb Valves - Plug Style

- All plug valves are directional and operate 90° open/close.

Model #	FNPT x End Connection	3/4"	1"
74604F	FNPT	●	
74606	Copper Flare	●	●
74606-22	-22 CTS Compression	●	●
74606G	G CTS Compression	●	●
74606Q	Q CTS Compression	●	



Reduced Port Angle - Curb Valves

- 360° turn available, contact factory.
- Operating head includes lockwing.

Model #	FNPT x End Connection	3/4"	1" x 3/4"	1"	1 1/4"
74640B	Copper Flare	●	●	●	
74640B-22	-22 CTS Compression	●	●	●	
74640BG	G CTS Compression	●		●	
74640BQ	Q CTS Compression	●		●	
74640BT	T CTS Compression	●	●	●	
74644BF	FNPT	●	●	●	●
74646B	Copper Flare	●	●	●	
74646B-22	-22 CTS Compression	●	●	●	

Model #	FNPT x End Connection	3/4"	1" x 3/4"	1"
74646BT	T CTS Compression	●	●	●
74646B-33	-33 PEP Compression	●		
74646B-44	-44 PVC Compression	●		
74646B-55	-55 IP Compression	●		
74648B	FNPT	●		●
74648B-22	-22 CTS Compression	●		●
74648BT	T CTS Compression	●		●

OPTIONS

- For Handyloc - Replace "Q" or "-3Q" with "H" or "-3H" in 3/4" & 1" only.



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.

