CLOW VALVE CO.

clowvalve.com

MEDALLION HYDRANT

AWWA C502 • UL LISTED • FM APPROVED
NSF 61/372 CERTIFIED • 250 PSI WORKING PRESSURE
10-YEAR LIMITED WARRANTY

Clow Valve, A Division of McWane, Inc.

For Generations

MEDALLION HYDRANT

FIRE PROTECTION

The Clow Medallion hydrant was designed and built to provide unsurpassed fire protection. Utilizing computer-developed data, Clow engineers painstakingly sculpted interior surfaces to provide the smoothest possible waterway, resulting in the lowest possible loss of head through the hydrant.

The result? More water to the nozzles faster. With the Clow Medallion, it's performance that counts.

MAINTENANCE

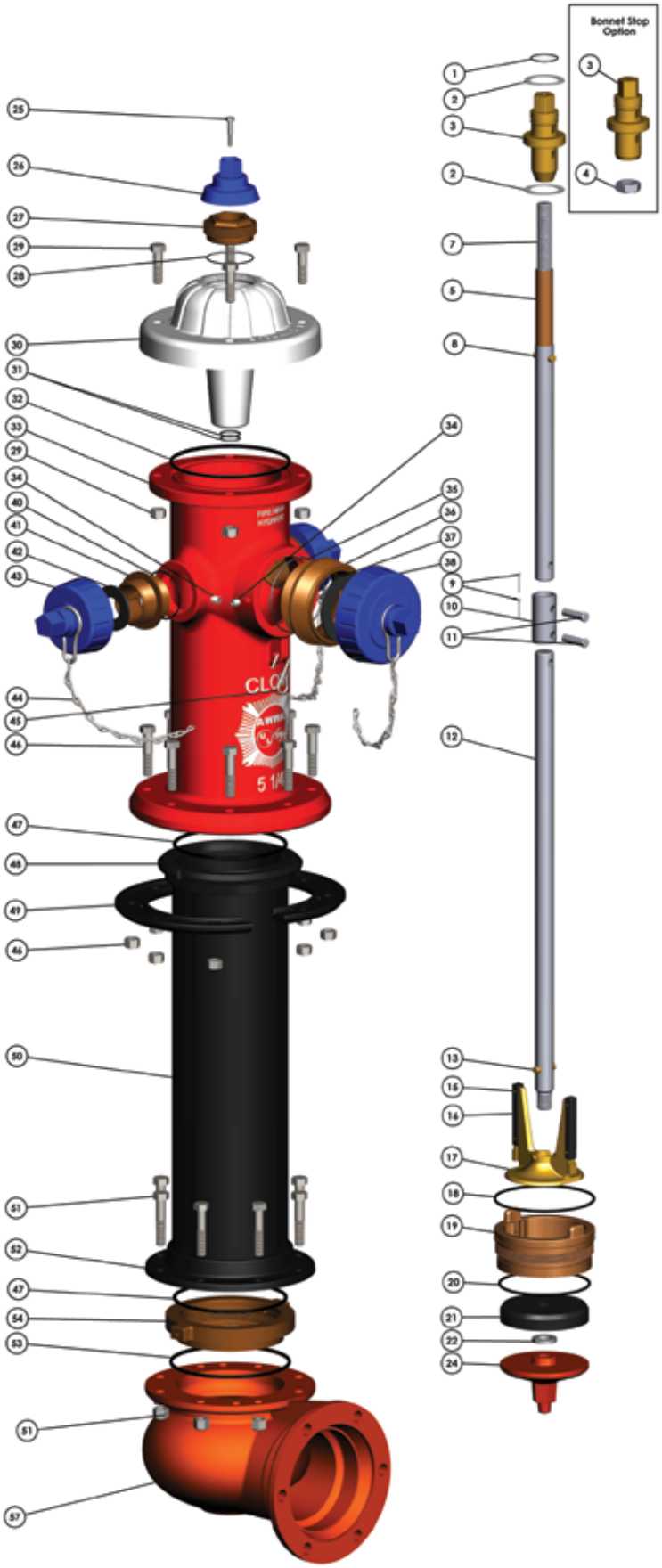
Extraordinary steps are taken in both the design and manufacturing process to ensure that the Clow Medallion can be routinely serviced and repaired easily. All working parts are readily accessible from the top of the hydrant and are built from the highest-quality materials.

10-YEAR LIMITED WARRANTY

The Clow Medallion carries a 10-year limited warranty on materials and workmanship. The hydrant also equals or exceeds all applicable American Water Works Association (AWWA) requirements. It has been listed by Underwriters Laboratories (UL) and is approved by Factory Mutual Approvals (FM).

MEDALLION HYDRANT PARTS ASSEMBLY

ITEM NO.	DESCRIPTION	MATERIAL	QTY.
1	Operating Nut O-Ring	Rubber	1
2	Thrust Bearing	Plastic	2
3	Operating Nut	Copper Alloy	1
4	Bonnet Stop	Zinc Plated Steel	1
5	Upper Stem Sleeve	Copper Alloy	1
7	Upper Stem	Steel	1
8	Pin	Stainless Steel	1
9	Cotter Pin	Stainless Steel	2
10	Safety Stem Coupling	Stainless Steel	1
11	Safety Coupling Pin	Stainless Steel	2
12	Lower Stem	Steel	1
13	Pin	Stainless Steel	1
15	Pin	Stainless Steel	4
16	Drain Valve Facing	Plastic	2
17	Upper Valve Plate	Copper Alloy	1
18	Seat Ring Upper O-Ring	Rubber	1
19	Seat Ring	Copper Alloy	1
20	Seat Ring Lower O-Ring	Rubber	1
21	Main Valve Seat	Rubber	1
22	Lock Washer	Stainless Steel	1
24	Lower Valve Plate	Cast Iron	1
25	Hex Head Bolt	Stainless Steel	1
26	Weather Cap	Cast Iron	1
27	Thrust Nut	Copper Alloy	1
28	Thrust Nut O-Ring	Rubber	1
29	Hex Head Bolt & Nut	Stainless Steel	4
30	Bonnet	Cast Iron	1
31	Stem O-Ring	Rubber	2
32	Bonnet O-Ring	Rubber	1
33	Nozzle Section	Cast Iron	1
34	Set Screw	Stainless Steel	3
35	Pumper O-Ring	Rubber	1
36	Pumper Nozzle	Copper Alloy	1
37	Pumper Nozzle Gasket	Rubber	1
38	Pumper Cap	Cast Iron	1
40	Hose O-Ring	Rubber	2
41	Hose Nozzle	Copper Alloy	2
42	Hose Nozzle Gasket	Rubber	2
43	Hose Nozzle Cap	Cast Iron	2
44	Nozzle Cap Chain	Zinc Plated Steel	3
45	Chain “S” Hook	Zinc Plated Steel	1
46	Hex Head Bolt & Nut	Stainless Steel	8
47	Barrel O-Ring	Rubber	2
48	Barrel Upper Flange	Ductile Iron	1
49	Safety Flange	Cast Iron	2
50	Barrel	Ductile Iron	1
51	Hex Head Bolt & Lock Nut	Stainless Steel	8
52	Barrel Lower Flange	Ductile Iron	1
53	Drain Ring O-Ring	Rubber	1
54	Drain Ring	Copper Alloy	1
57	Shoe	Ductile Iron	1



ENGINEERING FEATURES

MOISTURE PROTECTION
Durable cast iron weather cap combines with one piece copper alloy operating nut and O-rings to provide reliable, corrosion-resistant operation under all weather conditions.

LUBRICATION RESERVOIR
O-ring sealed reservoir may be filled easily without disassembly.

TGIC
Coating provides a longer-lasting, more durable finish.

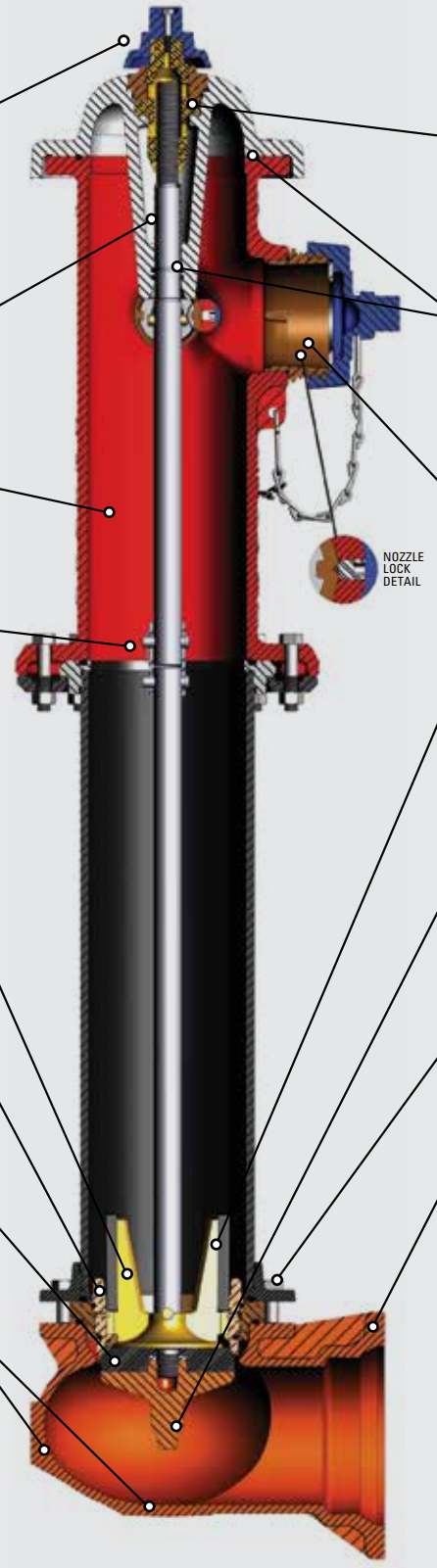
STAINLESS STEEL SAFETY STEM COUPLING SYSTEM
Breakaway parts shear cleanly below the top of the barrel, reducing nozzle section damage or opening of the main valve.

COPPER ALLOY UPPER VALVE PLATE
Designed for strength and durability.

COPPER ALLOY TO COPPER ALLOY
Copper alloy seat ring threads into copper alloy drain ring for corrosion-resistant protection.

COMPRESSION SEATING
High-durometer rubber valve closes with the water pressure for a positive seal.

PADS
Pads on hydrant shoe give large surface areas for standing and blocking hydrant.



ANTI-FRICTION
Thrust bearings above and below the copper alloy thrust collar provide low-torque operation even at 250 PSI working pressure.

BONNET SEALS
Standard O-rings secure mating flanges and sealing throughout the Medallion. All O-rings are dependable and easy to replace.

COPPER ALLOY NOZZLES
Mechanically locked, corrosion-resistant, field-replaceable copper alloy nozzles have O-ring seals for water-tight connections.

DRAIN VALVE
Plastic valve facing provides tight, life-long seal. Copper alloy seat ring has 360 degree drain channel. Double ports flush with each use.

LOWER VALVE PLATE
Bottoms out in the ductile iron shoe. Prevents seat from falling below the seat ring.

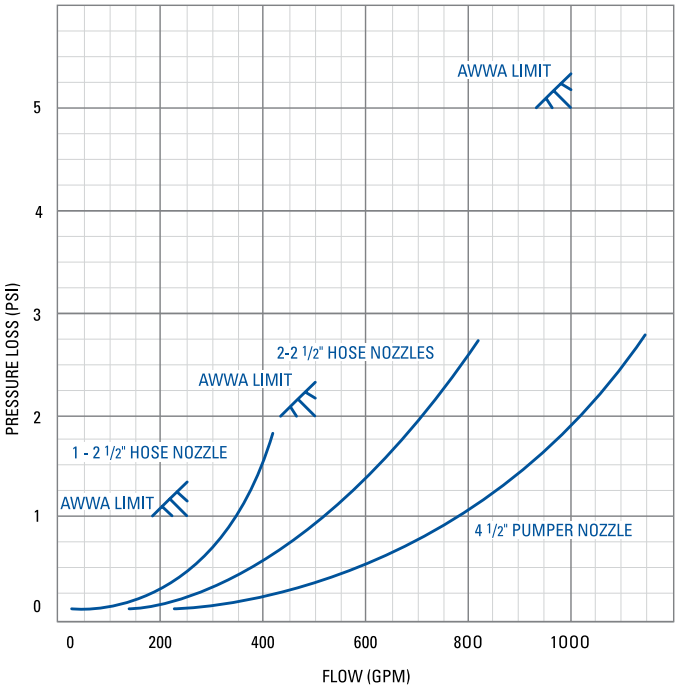
NUTS & BOLTS
All fasteners below grade are stainless steel.

DUCTILE IRON HYDRANT SHOE
Shaped for low turbulence and maximum flow, the shoe is offered in a variety of end connections. Comes standard with epoxy coating inside and out.

The Medallion hydrant meets the definition of low lead based on the Safe Drinking Water Act.

PRODUCT DATA

PRESSURE LOSS VS. FLOW



ACCESSORIES

SEAT REMOVAL WRENCH — A light-weight universal combination tool is used to remove the main valve components. The copper alloy seat ring unthreads from the drain ring by engaging the wrench with the upper stem pin.

THRUST NUT WRENCH — The wrench fits the thrust nut for easy removal.

LUBRICATION — The lubrication reservoir is filled with grease during manufacture. To add lubrication, remove the weather cap and put the lubricant into the reservoir through the opening on the top of the operating nut, or remove operating nut and fill lubrication reservoir with food grade grease or oil.

EXTENSION KIT — Contains everything required to extend the stem and barrel. Available in 6" increments.

SAFETY FLANGE REPAIR KIT — Includes safety flange, stem coupling and pins, flange O-rings, all bolts, nuts, and hardware to repair a hydrant damaged due to a traffic accident.

MAIN VALVE SEAT REPAIR KIT — Contains two drain valve facings and pins, seat ring O-rings, lower valve plate lock washer, main valve seat, container of lubrication.

BONNET REPAIR KIT — Complete with O-rings for the bonnet, stem, and thrust nut. Operating nut thrust washers and lubrication.

RECOMMENDED SPECIFICATIONS

1. Fire hydrant shall be manufactured in accordance with AWWA Standard C502, be listed by Underwriters Laboratories, Inc., and be FM Approved.
2. Fire hydrant shall be designed for 250 PSI working pressure and tested to 500 PSI hydrostatic pressure.
3. Fire hydrant shall be backed by manufacturer's 10-year limited warranty.
4. Fire hydrant shall be dry-top, center stem, 4-bolt bonnet construction having an O-ring sealed lubrication reservoir.
5. Fire hydrant shall be manufactured with operating nut and thrust nut made of copper alloy, with bearings located both above and below the thrust collar, and with operating nut protected by a cast-iron weather shield.
6. Fire hydrant shall be manufactured with nozzles mechanically locked into the nozzle section and having O-ring seals.
7. Fire hydrant shall be a "Traffic Model," complete with safety flanges and stainless steel stem coupling. Nozzle section must rotate 360 degrees.
8. Fire hydrant shall be manufactured with a main valve seat ring of copper alloy threaded into a copper alloy drain ring. A 360-degree drain channel shall have a minimum of two tapped drain outlets.
9. Fire hydrant shall have a copper alloy upper valve plate with two plastic facings that activate the drain ports.
10. Fire hydrant shall be manufactured with a lower valve plate that bottoms out in the shoe for a maximum opening. Both lower valve plate and shoe shall have fusion bonded epoxy coating.
11. Fire hydrant shall be manufactured with a main valve opening of 41/2" or 51/4".
12. Nozzle section shall be coated inside and out with TGIC coating.
13. Fire hydrant shall be the Clow Medallion as manufactured by the Clow Valve Company or approved equal.

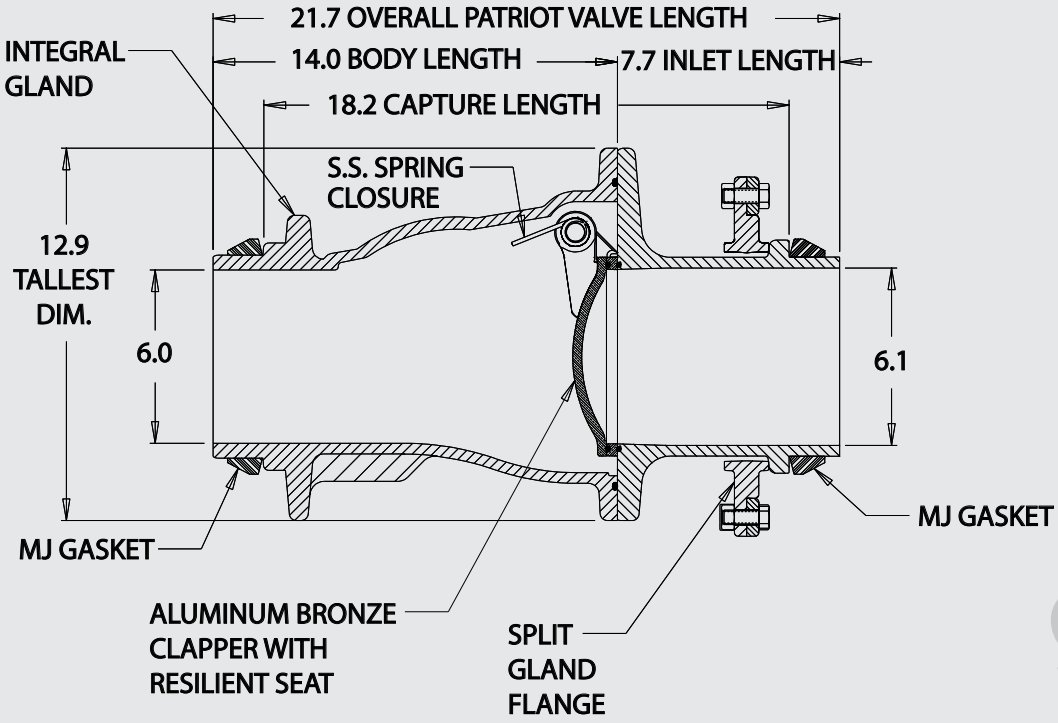
PATRIOT HYDRANT CHECK VALVE

GUARD YOUR WATER SYSTEM FROM ACCIDENT OR ATTACK

Threats to the water supply can come from either accidental or deliberate acts. Our nation's water superintendents have safeguarded nearly all of the access points to our drinking water. At this time, one critical access point is left unprotected — the fire hydrant.

The Patriot hydrant check valve prevents reverse flow through the fire hydrant, safely protecting our drinking water while providing a full-port unobstructed waterway that allows firefighters access to the water they need when they need it.

Unlike locks and special external devices, the Patriot is installed underground, which prevents tampering and allows the hydrant to be operated the moment the firefighters arrive on the scene. The Patriot can be installed on any 6" mechanical joint connection, ensuring compatibility with all hydrant brands — providing the flexibility and cost-effectiveness you demand.



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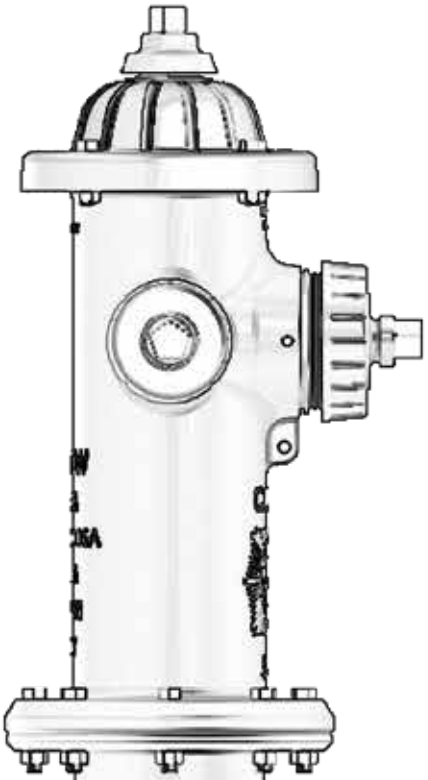
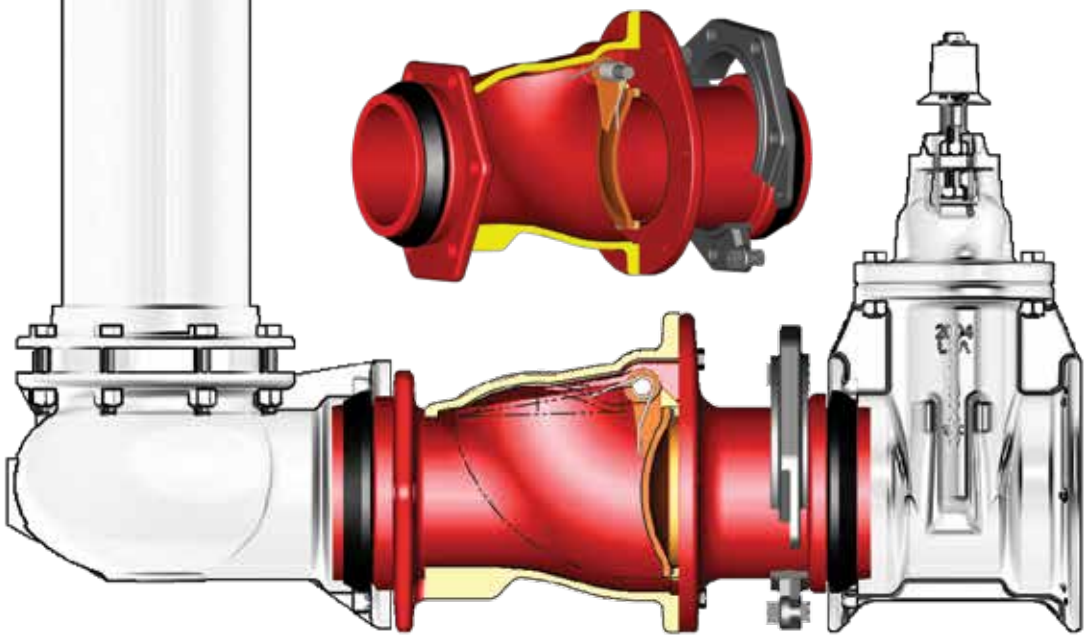


RECOMMENDED SPECIFICATIONS

1. The check valve shall be manufactured to all of the testing and performance standards of AWWA C508 and AWWA C550. The Check Valve shall be designed for 250 PSI working pressure and tested to 500 PSI hydrostatic pressure.
2. The check valve shall be a stand alone unit able to be positively restrained to any 6" mechanical joint fire hydrant shoe.
3. The check valve shall be ductile iron ASTM Standard A536 (70-50-05), with NSF approved fusion bonded epoxy coating (interior/exterior).
4. The check valve shall be lead free, with no exposed lead bearing surfaces.
5. The check valve shall have an unobstructed waterway. No reduction of port or redirection of flow will be allowed.
6. The seat shall be retained via a double dove tail O-ring retaining groove design to ensure a positive seal.
7. The check valve shall incorporate integral positive restraint connections that maintain a restrained connection between the fire hydrant and the gate valve.
8. The check valve shall incorporate a stainless steel spring that hastens positive closure and prevents water hammer.
9. All fasteners shall be 304 stainless steel and all interior rubber components shall be EPDM rubber.
10. The check valve shall be produced with no less than 80% post consumer recycled content while being cast, manufactured, assembled and tested in the United States of America.



MEDALLION HYDRANT

WHEN PLACING ORDERS OR REQUESTING QUOTES OR SUBMITTALS, PLEASE SUPPLY THE FOLLOWING INFORMATION:

- Quantity of hydrants, accessories, and maintenance kits required
- Size of main valve opening: 4 1/2" or 5 1/4"
- Size and number of hose nozzles
- Size and number of steamer nozzles
- Hose and pumper nozzle thread specifications
- Type of inlet connection
- Depth of trench or bury
- Direction of opening
- Size and shape of operating nut, weather shield and cap nuts
- Color desired
- Town or municipality

COMMITTED TO ENVIRONMENTAL RESPONSIBILITY

Clow Valve Company is committed to protecting our natural resources through environmentally responsible manufacturing practices, including the use of 80+% recycled content in our hydrants and valves.

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*PATENT PENDING

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