

CLOW
VALVE CO.

clowvalve.com



ADMIRAL HYDRANT

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



Clow Valve, A Division of McWane, Inc.

For Generations

ADMIRAL HYDRANT

INNOVATIVE DESIGN

Designed to be stronger and lighter than any other hydrant on the market, the Admiral provides powerful fire protection. Its unrivaled performance includes a pressure rating of 250 psi and a nozzle height that owners can order as required. The Admiral nozzle section body weighs 44 pounds and is built to move water, stopping fire in its tracks.

EASY MAINTENANCE

The Admiral's design reflects the success of Clow's traditional hydrant lineup. Featuring an internal blueprint that is near identical to our standard bearer, the Medallion, this hydrant can be routinely serviced and easily repaired.

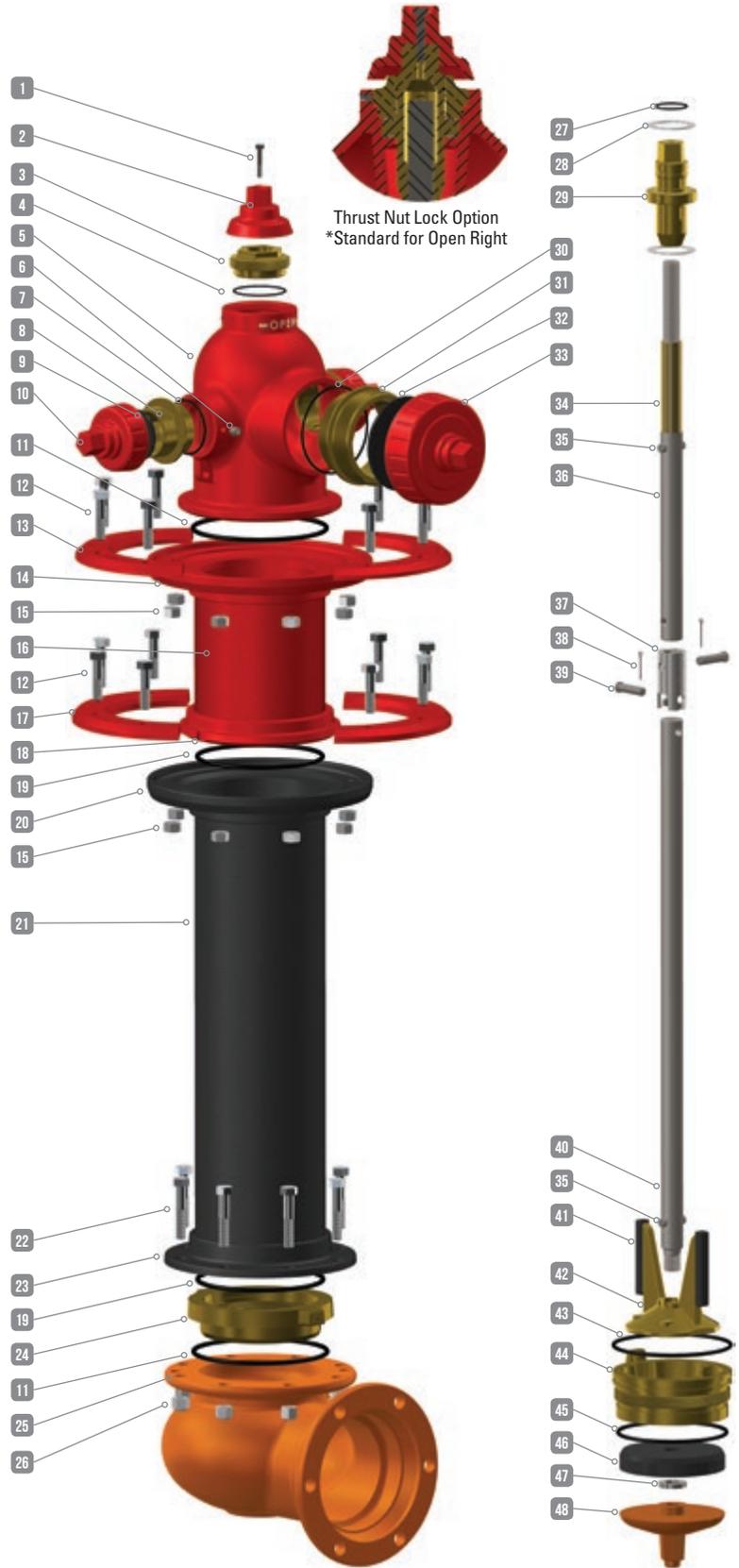
10-YEAR LIMITED WARRANTY

The Clow Admiral 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).



ADMIRAL HYDRANT PARTS ASSEMBLY

ITEM NO.	DESCRIPTION	MATERIAL	QTY.
1	Hex Head Bolt	Stainless Steel	1
2	Weather Shield	Cast Iron	1
3	Thrust Nut	Copper Alloy	1
4	O-Ring #151	Rubber	1
5	Hydrant Body	Ductile Iron	1
6	Nozzle Lock Screw	Stainless Steel	3
7	O-Ring #235	Rubber	2
8	Nozzle - Hose	Copper Alloy	2
9	Gasket - Hose	Neoprene	2
10	Cap - Hose	Cast Iron	2
11	O-Ring #444	Rubber	2
12	Hex Bolt - 5/8" x 2 1/2"	Zinc or S.S.	16
13	Top Flange	Ductile Iron	2
14	Riser Top Flange	Ductile Iron	1
15	Hex Nut 5/8"	Zinc or S.S.	16
16	Riser Pipe	Ductile Iron	1
17	Safety Flange	Cast Iron	2
18	Riser Lower Flange	Ductile Iron	1
19	O-Ring #442	Rubber	2
20	Stand Pipe Upper Flange	Ductile Iron	1
21	Stand Pipe	Ductile Iron	1
22	Hex Bolt - 5/8" x 3 1/4"	Stainless Steel	8
23	Stand Pipe Lower Flange	Ductile Iron	1
24	Drain Ring	Copper Alloy	1
25	Shoe	Ductile Iron	1
26	Lock Nut	Stainless Steel	8
27	O-Ring #131	Rubber	1
28	Thrust Bearing	Plastic	2
29	Operating Nut	Copper Alloy	1
30	O-Ring #250	Rubber	1
31	Nozzle - Steamer	Copper Alloy	1
32	Gasket - Steamer	Neoprene	1
33	Cap - Steamer	Cast Iron	1
34	Upper Stem Sleeve	Copper Alloy	1
35	Type E Groove Pin	Stainless Steel	2
36	Upper Stem	Cold Rolled Steel	1
37	Safety Coupling	Stainless Steel	1
38	Cotter Pin	Stainless Steel	2
39	Coupling Pin	Stainless Steel	2
40	Lower Stem	Cold Rolled Steel	1
41	Drain Slide	Plastic	2
42	Upper Valve Plate	Copper Alloy	1
43	O-Ring #361	Rubber	1
44	Seat Ring	Copper Alloy	1
45	O-Ring #360	Rubber	1
46	Valve Seat	Rubber	1
47	Lock Washer	Stainless Steel	1
48	Lower Valve Plate	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, minimizing nozzle section damage or opening of the main valve.

COPPER ALLOY UPPER VALVE PLATE
Solid design for added strength and durability.

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

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

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

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.

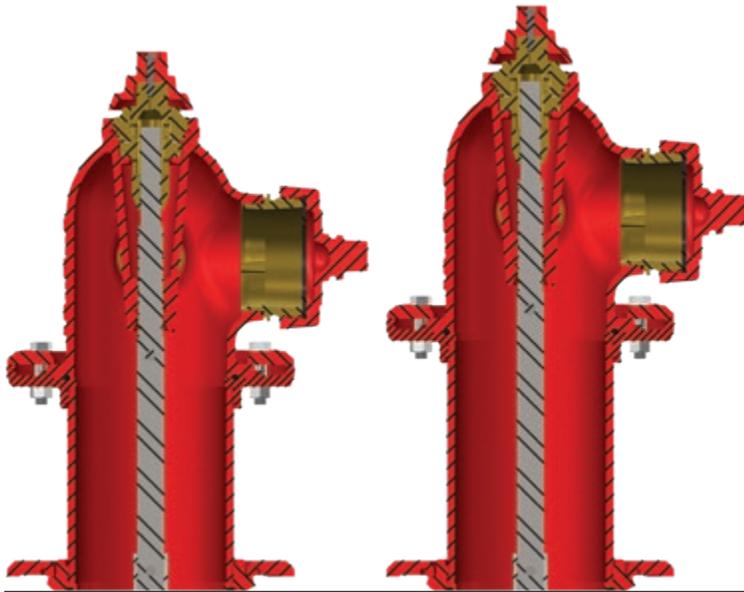
LOWER VALVE PLATE
Bottoms out in the ductile iron shoe. Prevents seat from falling below the seat ring.

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

PRODUCT DATA



*Nozzle height ground line

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. 350 PSI working pressure is available upon request.
3. Fire hydrant shall be backed by manufacturer's 10-year limited warranty.
4. Fire hydrant shall be dry-top, center stem, having an O-ring sealed lubrication reservoir.
5. Fire hydrant nozzle section shall weigh no more than 75 lbs fully assembled.
6. 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.
7. Fire hydrant shall be manufactured with nozzles mechanically locked into the nozzle section and having O-ring seals.
8. Fire hydrant shall be a "Traffic Model," complete with safety flanges and stainless steel stem coupling. Nozzle section must rotate 360 degrees.
9. 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.
10. Fire hydrant shall have a copper alloy upper valve plate with two plastic facings that activate the drain ports.
11. 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.
12. Fire hydrant shall be manufactured with a main valve opening of 5 1/4".
13. Nozzle section shall be coated inside and out with TGIC coating.
14. Fire hydrant shall be the Clow Admiral as manufactured by the Clow Valve Company or approved equal.

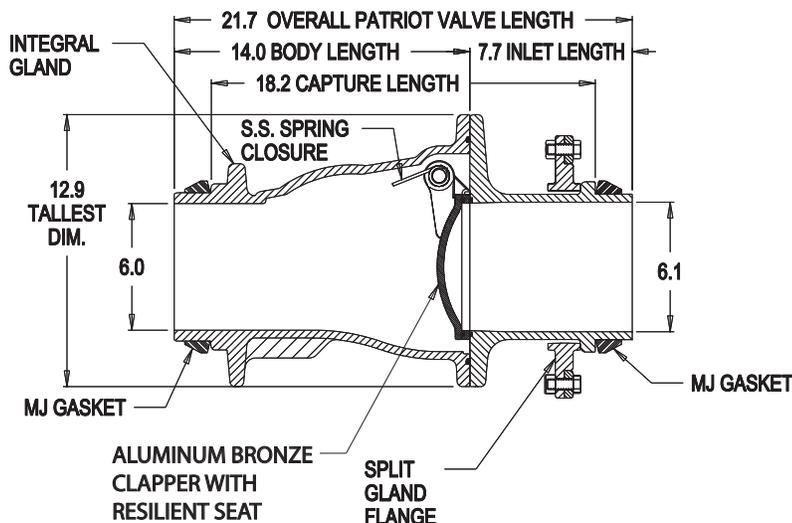
PATRIOT HYDRANT CHECK VALVE

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.

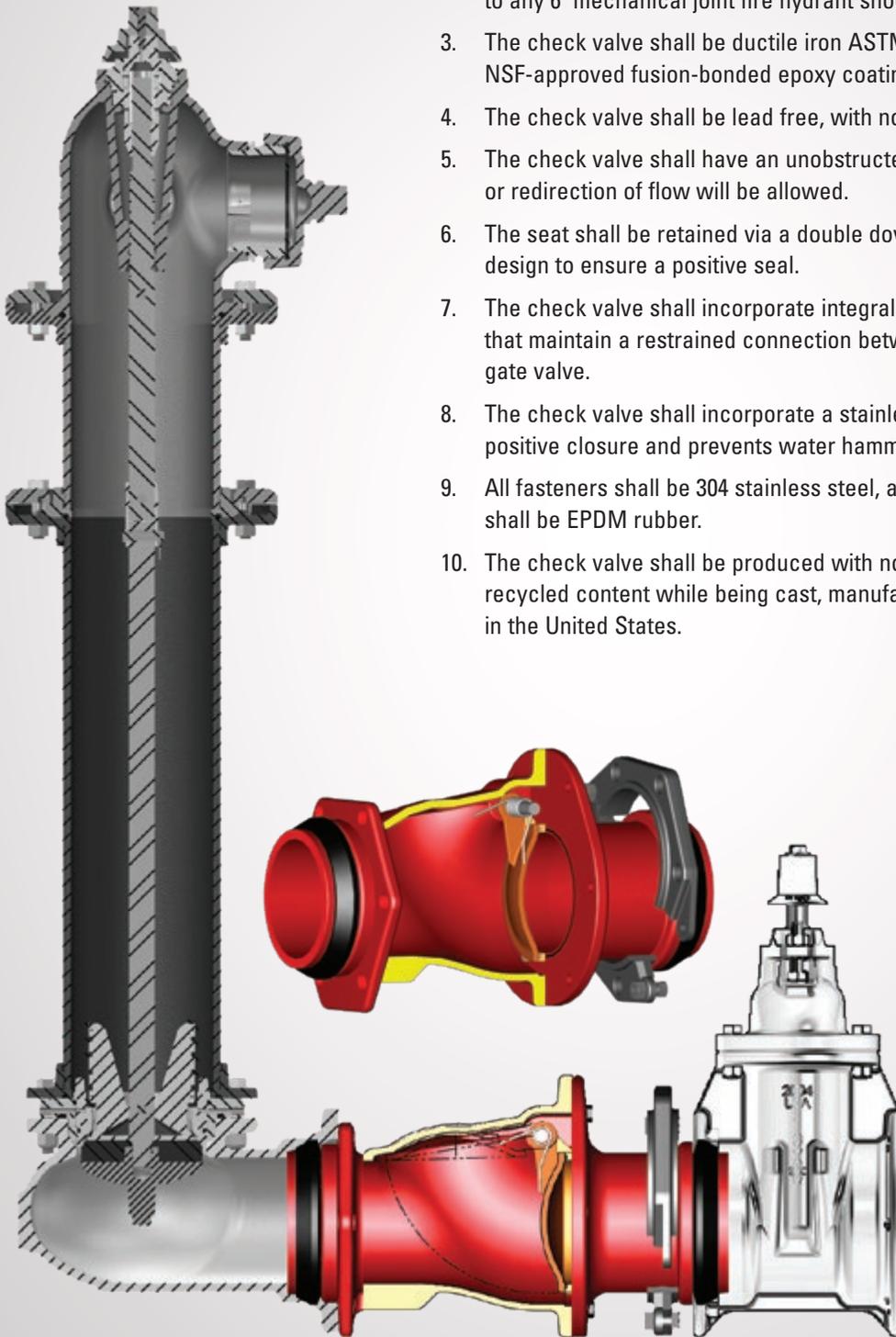
The Patriot hydrant check valve prevents reverse flow through the fire hydrant, safely protecting our drinking water while providing a full-port unobstructed waterway that allows firefighters access to the water they need when they need it.

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.



RECOMMENDED SPECIFICATIONS (OPTIONAL)

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 standalone 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.



ADMIRAL 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: 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
- Nozzle height to ground line
- 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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POCKET ENGINEER
Available for iOS + Android
or online at pe.mcwane.com.



*PATENT PENDING
REVISION B-2018



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