CLOW

FERGUSON Waterworks a WOLSELEY company

MEDALLION HYDRANT

5-1/4" MVO, 3-Way, 6ft bury,
6" MJ Inlet, Open Left

PROUDLY
MADE IN THE USA

Setting a New Standard for Fire Protection

- Conforms fully to AWWA C502 standards
- Has earned both Underwriters Laboratory and Factory Mutual approval
- 250 psi working pressure
- 10-year limited warranty

The Industry's Most Advanced Fire Hydrant...

THE FIRE FIGHTERS HYDRANT

FERGUSON Waterworks
a WOLSELEY company

FIRE PROTECTION

Designed and built to provide unsurpassed fire protection, the Clow Medallion is clearly a step in front. 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

While providing fire protection is a hydrant's primary function, ease of maintenance and repair are valid concerns of maintenance crews. Extraordinary steps were taken 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.

10-YEAR LIMITED WARRANTY

The Medallion equals or exceeds the requirements of the American Water Works Association (AWWA). Also it has been listed by the Underwriters Laboratory (UL) and is approved by Factory Mutual (FM). Structurally and operationally this is clearly a superior Fire Hydrant. It's easy to see why it carries a full 10-year limited warranty on materials and workmanship.

CLOW
VALVE COMPANY

902 South 2nd Street • Oskaloosa, Iowa 52577
Phone 641-673-8611 Fax 641-673-8269
www.clowvalve.com
A Division of McWane, Incorporated

MEDALLION HYDRANT
Additional Engineering Features

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MOISTURE PROTECTION
Durable cast iron weather cap combines with one piece bronze operating nut and o-rings to ensure reliable corrosion-free operation under all weather conditions.

LUBRICATION RESERVOIR
O-ring seals keep the oil in and water out. Reservoir may be filled easily without disassembly.

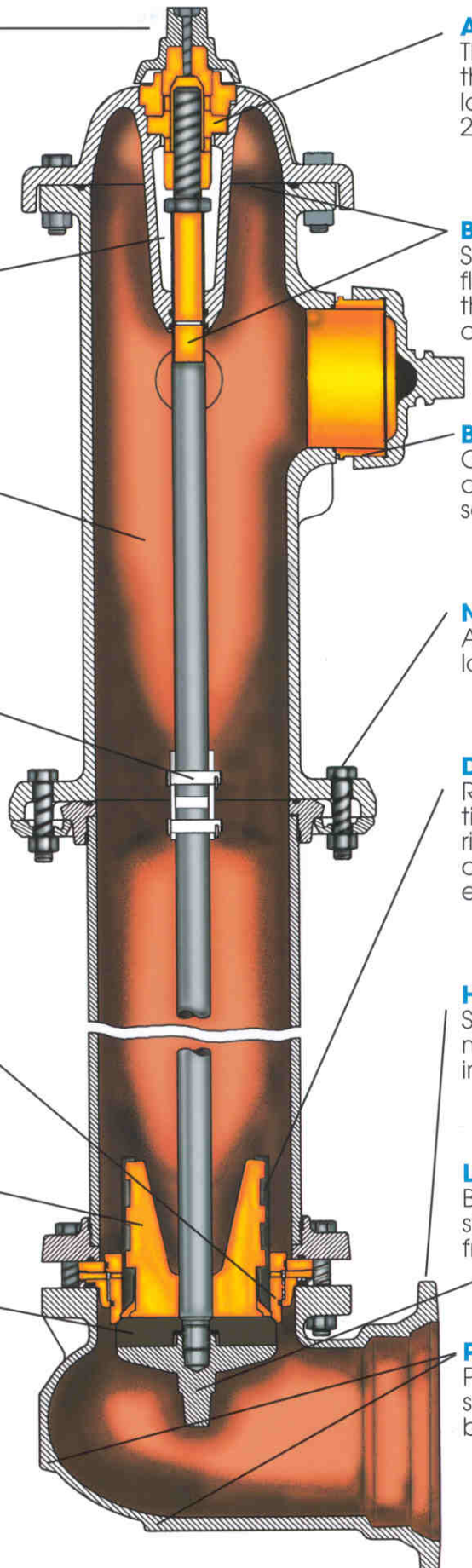
COMPUTER DESIGNED CONTOURS
All interior components were individually designed to provide the lowest possible head-loss-more water-faster.

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

BRONZE TO BRONZE
Bronze seat ring threads into bronze drain ring for corrosion-free protection.

BRONZE UPPER VALVE PLATE
Computer contoured shape means less turbulence-smoother flow

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



ANTI-FRICTION
Thrust bearings above and below the bronze 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.

BRONZE NOZZLES
Corrosion-resistant, field-replaceable bronze nozzles have o-ring seals for water-tight connections.

NUTS & BOLTS
Are electroplated to provide long life.

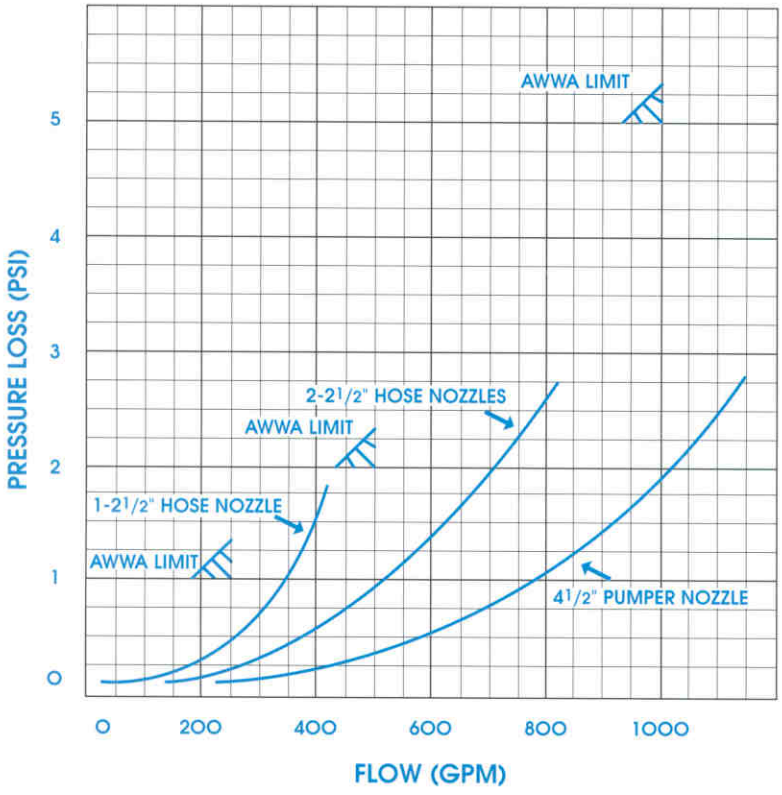
DRAIN VALVE
Rubber valve facing provides tight, long life seal. Bronze seat ring has 360 degree drain channel. Double ports flush with each use.

HYDRANT SHOE
Shaped for low turbulence and maximum flow, the shoe is offered in a variety of end connections.

LOWER VALVE PLATE
Bottoms out in the bottom of the strengthened shoe. Prevents valve from falling below seat ring.

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

PRESSURE LOSS vs. FLOW



ACCESSORIES

SEAT REMOVAL WRENCH–A light-weight universal combination tool is used to remove the main valve components. The bronze 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 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.

ORDERING INFORMATION

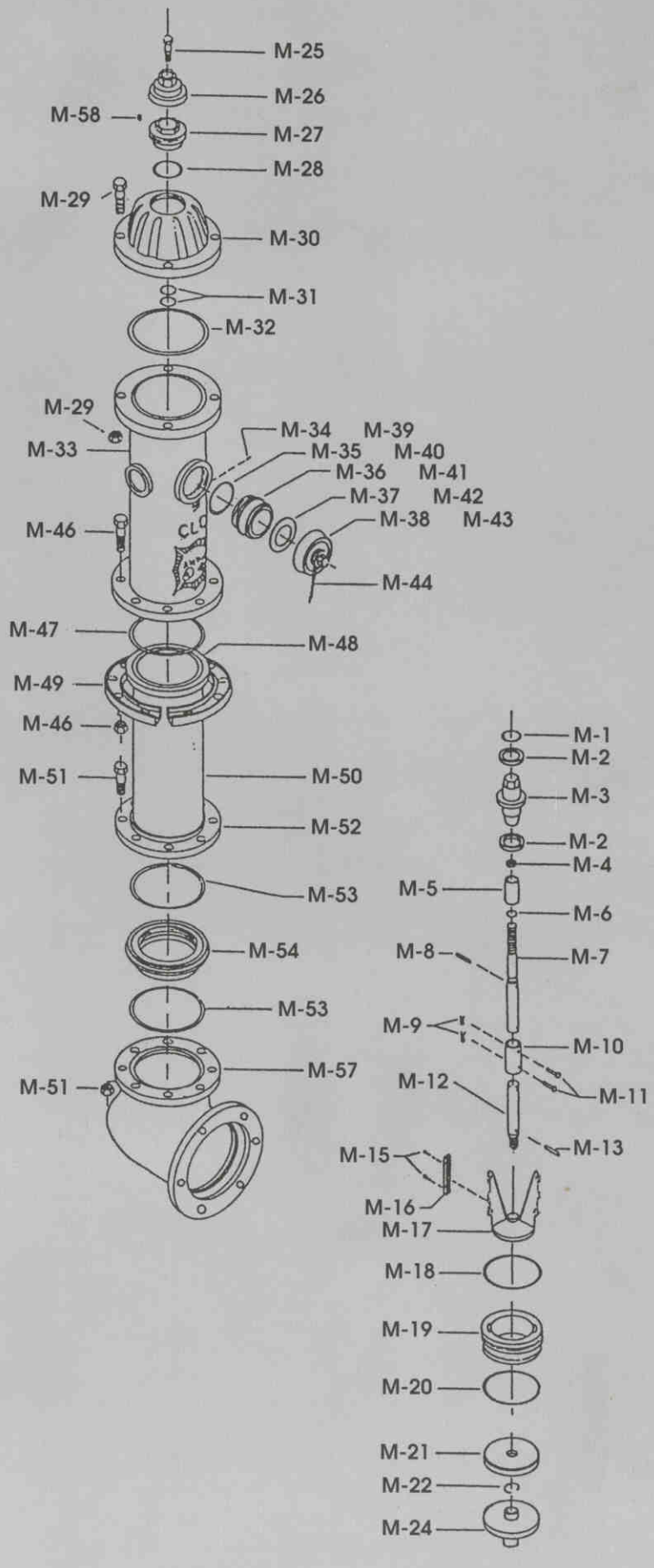
When placing orders, requesting quotes or submittals, please furnish the following information:

- quantity of hydrants, accessories, and maintenance kits required
- size of main valve opening: 4 1/2 or 5 1/4 inches
- 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

MEDALLION HYDRANT PARTS ASSEMBLY

FERGUSON Waterworks a WOLSELEY company

Det.	Qty.	Description	Material
M-1	1	Operating Nut O-Ring	NBR
M-2	2	Operating Nut Thrust Bearings	Delrin
M-3	1	Operating Nut	Bronze
M-4	1	Upper Stem Jam Nut (Option)	Zinc Plated Steel
M-5	1	Upper Stem Sleeve	Bronze
M-6	1	Upper Stem Sleeve O-Ring	NBR
M-7	1	Upper Stem	CRS
M-8	1	Upper Stem Pin	Stainless Steel
M-9	2	Safety Coupling Cotter Pins	Stainless Steel
M-10	1	Safety Stem Coupling	Steel Tubing
M-11	2	Safety Coupling Pins	Stainless Steel
M-12	1	Lower Stem	CRS
M-13	1	Lower Stem Pin	Stainless Steel
M-15	4	Drain Valve Facing Pins	Stainless Steel
M-16	2	Drain Valve Facing	Rubber
M-17	1	Upper Valve Plate	Bronze
M-18	1	Seat Ring Upper O-Ring	NBR
M-19	1	Seat Ring	Bronze
M-20	1	Seat Ring Lower O-Ring	NBR
M-21	1	Main Valve Rubber	Rubber
M-22	1	Lower Valve Plate Lockwasher	Stainless Steel
M-24	1	Lower Valve Plate	Bronze or Cast Iron
M-25	1	Weather Cap Hold Down Screw	Zinc Plated Steel
M-26	1	Weather Cap	Cast Iron
M-27	1	Thrust Nut	Bronze
M-28	1	Thrust Nut O-Ring	NBR
M-29	4	Bonnet Bolts & Nuts	Zinc Plated Steel
M-30	1	Bonnet	Cast Iron
M-31	2	Stem O-Rings	NBR
M-32	1	Bonnet O-Ring	NBR
M-33	1	Nozzle Section	Cast Iron
M-34	1	Pumper Nozzle Lock	Stainless Steel
M-35	1	Pumper Nozzle O-Ring	NBR
M-36	1	Pumper Nozzle	Bronze
M-37	1	Pumper Nozzle Gasket	Rubber
M-38	1	Pumper Nozzle Cap	Cast Iron
M-39	2	Hose Nozzle Lock	Stainless Steel
M-40	2	Hose Nozzle O-Ring	NBR
M-41	2	Hose Nozzle	Bronze
M-42	2	Hose Nozzle Gasket	Rubber
M-43	2	Hose Nozzle Cap	Cast Iron
M-44	1	Chain	Zinc Plated Steel
M-46	8	Safety Flange Bolts & Nuts	Zinc Plated Steel
M-47	1	Safety Flange O-Ring	NBR
M-48	1	Barrel Upper Flange	Ductile Iron
M-49	2	Safety Flange	Cast Iron
M-50	1	Barrel	Ductile Iron Pipe
M-51	8	Shoe Bolts & Nuts	Zinc Plated Steel
M-52	1	Barrel Lower Flange	Ductile Iron
M-53	2	Drain Ring O-Rings	NBR
M-54	1	Drain Ring	Bronze
M-57	1	Shoe	Ductile Iron
M-58	1	Thrust Nut Setscrew	Stainless Steel



SAMPLE SPECIFICATIONS:

FERGUSON Waterworks a WOLSELEY company

1. Fire Hydrant shall be manufactured in accordance with AWWA Standard C502, be listed by Underwriters Laboratories, Inc. and have Factory Mutual Research approval.
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 construction having an O-Ring sealed lubrication reservoir.
5. Fire Hydrant shall be manufactured with operating nut and thrust nut made of bronze, 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 barrel and having O-Ring pressure seals.
7. Fire Hydrant shall be a "Traffic Model," complete with safety flanges and steel stem coupling. Nozzle section must rotate 360 degrees.
8. Fire Hydrant shall be manufactured with a main valve seat ring of bronze threaded into a bronze drain ring. A 360 degree drain channel shall have a minimum of two drain oulets.
9. Fire Hydrant shall have an upper valve plate and two rubber 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.
11. Fire Hydrant shall be manufactured with a minimum main valve opening of 4½ or 5¼ inches.
12. Fire Hydrant shall be the CLOW MEDALLION as manufactured by the Clow Valve Company or approved equal.

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MECHANICAL JOINT BOLT & GASKET PACKS

Product Features

Gaskets:	SBR in accordance with ANSI/AWWA C111/A21.11
T-Bolts/Nuts:	Low alloy steel in accordance with ANSI/AWWA C111/A21.11

IMJBGPX

Model Numbers

- IMJBGPM
- IMJBGPP
- IMJBGPU
- IMJBGPX
- IMJBGP10
- IMJBGP12
- IMJBGP14
- IMJBGP16
- IMJBGP18
- IMJBGP20

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