

2" OPERATING/WRENCH NUT

Bolted to top of squared off stem.
(Optional hand wheels available.)

EXTERNAL STEM SEAL

Designed to prevent sand or grit from working between the stem and seal plate.

BOLTS

All nuts and bolts come standard as 304 stainless steel (316 stainless steel is optional).

TRIPLE O-RING SEAL

Three Stem Seal O-rings; two in the seal plate, which are replaceable with the valve in the full open position at rated working pressure, and one under the stem thrust collar.

THRUST WASHERS

Two thrust washers insure years of easy low torque operation and years of trouble-free operation.

STEM

High strength manganese bronze stem (with integral thrust collar) and stem nut.

EPOXY COATING

Fusion bonded epoxy coating provides outstanding corrosion resistance on all surfaces inside and out per AWWA C550 and is NSF61 certified.

C515 DUCTILE IRON CONSTRUCTION

All ductile iron body, bonnet and seal plate features the corrosion resistance and long service life of gray iron, but also increased strength, toughness and impact resistance with less weight. Pressure rated for 250 psi and tested for 500 psi performance, which meets or exceeds AWWA C515. All cast components are made in the USA.

DUCTILE WEDGE

The wedge is ductile iron and is fully rubber encapsulated meeting the requirements of ASTM D429. A ductile wedge is better able to handle waterline pressure and surges, while the permanent rubber coating ensures a watertight seal.

WEDGE GUIDES

Specially designed to reduce input torque required for operation and resist interference from debris in the waterway and protects the wedge from wear after years of service.

FULL DIAMETER WATERWAY

Oversized for smooth unobstructed flow and will accommodate full sized shell cutter.

END CONNECTIONS

Available in 2" – 16" sizes. See page 4 for available end connections.

UL/FM

All valves are manufactured to meet Underwriters Laboratories 262 and Factory Mutual 1130.



FLOWMASTER® – EJIW RESILIENT WEDGE GATE VALVE

East Jordan Iron Works, Inc. has earned a reputation for dependable, quality products since 1883. From product design to production, installation and maintenance, EJIW personnel are strongly committed to providing the products and services our customers need most. East Jordan Iron Works, Inc. proudly presents FlowMaster® valves, a ductile iron resilient wedge gate valve.

FLOWMASTER® RESILIENT WEDGE GATE VALVES SAMPLE SPECIFICATION

Valves shall be manufactured and tested to meet the requirements of ANSI/AWWA C515. Valves shall meet or exceed the requirements of Underwriters Laboratories Standard UL262 and Factory Mutual Standard 1130.

The rated working pressure of the valve shall be 250 psi.

All valve component castings shall originate in the United States.

The body, bonnet, and seal plate shall be made of ductile iron in accordance with ASTM A536. The wedge shall be ductile iron in accordance with ASTM A536 and shall be totally encapsulated in rubber. This rubber coating shall be permanently bonded to the ductile iron wedge casting and shall meet ASTM D429 tests for rubber to metal bonding. No paint shall be allowed in the wedge and the wedge must not be hollow. Containment of the stem nut must only be on two sides, to facilitate easy removal.

The stem and stem nut shall be made of high strength manganese bronze. The stem must have an integral thrust collar. Stainless steel stems are not acceptable.

There shall be three stem seal O-rings; two in the seal plate which shall be replaceable with the valve in the full open position at rated working pressure, and one under the stem thrust collar. All gaskets shall be O-ring seals. O-rings set in a cartridge shall not be allowed. A grit seal must be present above the seal plate to prevent dirt intrusion.

Valves are to be open left (OL) or open right (OR). Operating nuts are to be painted black (OL) or painted red (OR). The NRS valves shall be provided with a 2" square operating nut.

Valves must have two polymer thrust washers – one above and one below the thrust collar. Stainless steel thrust washers are not acceptable.



All fasteners are to be 304 stainless steel. Socket head bolts shall not be allowed. If only two bolts are used to secure the seal plate, the bolts must be fastened to the bonnet with a drilled and tapped hole in the bonnet.

The body, bonnet and seal plate shall be epoxy coated in accordance with ANSI/AWWA C550 certified to NSF61. This coating shall be on the interior and the exterior of the valve. The manufacturer's name, valve size, year of manufacture, pressure rating ("250W"), C515 and "DI" shall be cast on the valve.

Each valve shall be tested in accordance with ANSI/AWWA C515, UL262 and FM1130. This shall include hydrostatic pressure testing at 500 psi. A certification of manufacture and testing shall be provided at the municipality's request.

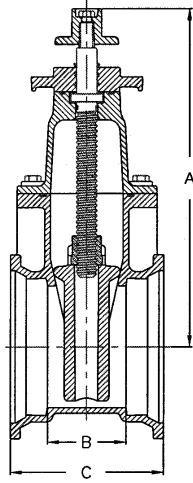
All parts of valves to be considered must be manufactured, assembled and tested in the contiguous United States of America and letters of certification must accompany any and all products.

Valves shall be East Jordan Iron Works FlowMaster®.

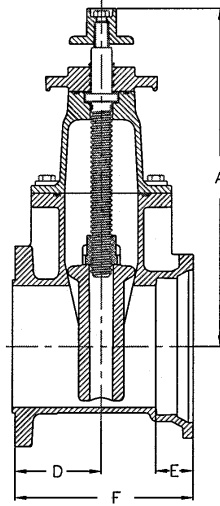




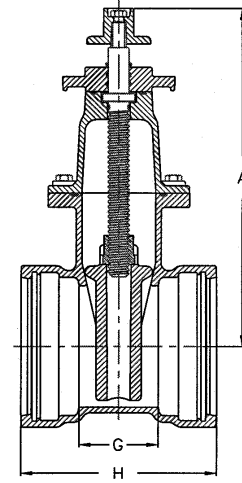
FLOWMASTER® VALVE DIMENSIONS AND AVAILABLE END CONNECTIONS



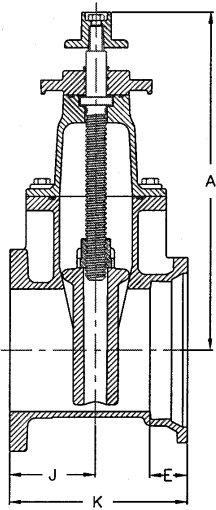
M.J. x M.J.



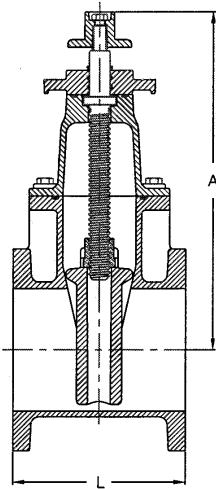
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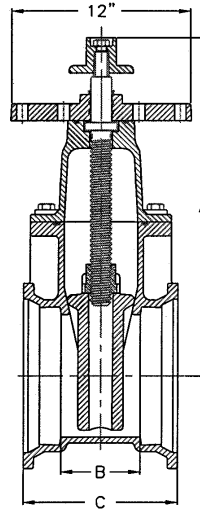
TYTON® x TYTON®



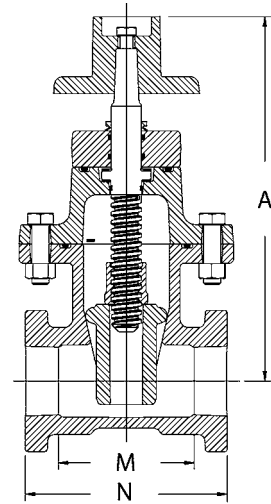
M.J. x FLANGE



FLANGE x FLANGE



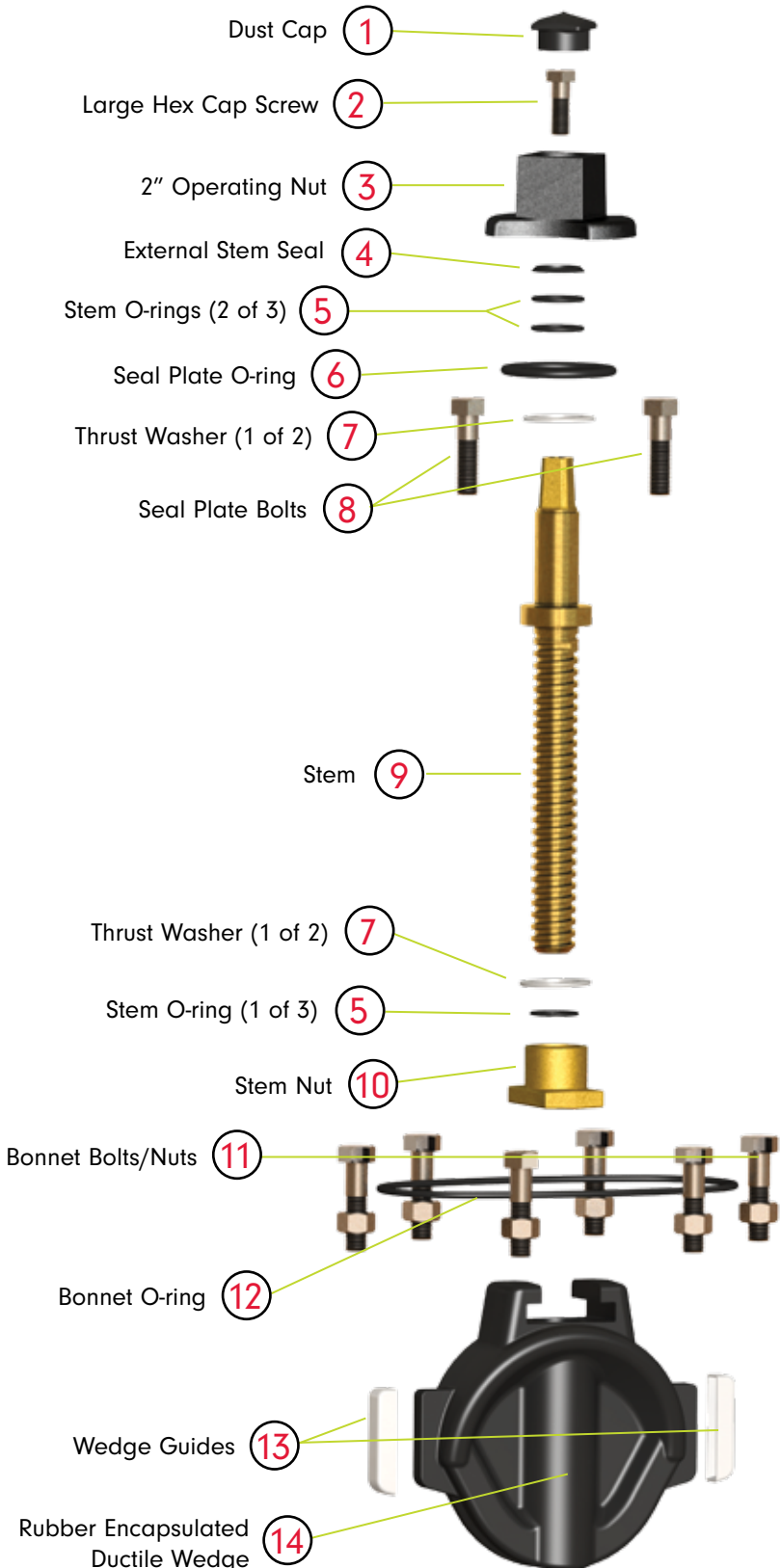
M.J. x M.J.
INDICATOR POST VALVE



THD. x THD.

Size	A	B	C	D	E	F	G	H	J	K	L	M	N	Open
2"	10 5/8	3 1/2	8 1/2									3 7/8	5 7/8	10
3"	13 1/8	4 3/4	9 3/4											14
4"	15	4 5/16	9 5/16	5 1/16	2 1/2	10 5/16	4 3/8	11	5 1/16	10 5/16	9			17
6"	18 9/16	4	9	5 1/4	2 1/2	11 1/4	4	11 1/8	5 1/4	11 1/4	10 1/2			20
8"	22 11/16	5 1/4	10 1/4	5 3/4	2 1/2	11 7/8	5 1/4	13	5 3/4	11 7/8	11 1/2			26
10"	27	6 7/8	11 5/8	6 1/2	3 1/2	13 1/2	6 7/8	15 5/8	6 1/2	13 1/2	13			32
12"	31 1/8	8	13	7	2 1/2	14 3/4	8	16 1/2	7	14 3/4	14			38
16"	39 1/2	14 1/2	21 3/4	8 1/2	3 1/2	19 3/8	10 5/8	21	8 1/2	19 3/8	17			51

TYTON® is a registered trademark of US Pipe.



Item No.	Part Name and Description	Material
①	Dust Cap	Rubber
②	Large Hex Cap Screw	Stainless Steel
③	Operating Nut	Gray Iron
④	External Stem Seal	Rubber, Buna-N
⑤	Stem O-rings	Rubber, Buna-N
⑥	Seal Plate O-ring	Rubber, Buna-N
⑦	Thrust Washers	Polymer
⑧	Seal Plate Bolts	Stainless Steel
⑨	Stem	Manganese Bronze
⑩	Stem Nut	Manganese Bronze
⑪	Bonnet Bolts/Nuts	Stainless Steel
⑫	Bonnet O-ring	Rubber, Buna-N
⑬	Wedge Guides	Polymer
⑭	Rubber Encapsulated Ductile Wedge	D.I./Synthetic Rubber
Not Shown	Body	Ductile Iron
Not Shown	Bonnet	Ductile Iron
Not Shown	Seal Plate	Ductile Iron



FlowMaster® valves incorporate quality parts and a simple design. Each valve is inspected and individually tested.

All FlowMaster® valves are made and assembled in the USA.