The original, and the definitive standard.

RESILIENT WEDGE GATE VALVES

4" THROUGH 20"
STYLE 7000

AWWA C515 250 PSI • UL/FM Approved 200 PSI • NSF 61 Certified •
Full Water Way • Fusion Bond Epoxy Coated • 10 Year Limited Warranty

M&H VALVE COMPANY

M&H Valve is a division of McWane, Inc.

www.mh-valve.com

For Generations

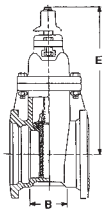
RESILIENT WEDGE VALVE

In 1975, M&H recognized the increased requirements and escalating maintenance cost of water systems in the United States.

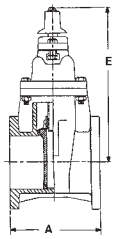
M&H responded by introducing the first R/W (Resilient Wedge) Valve in America. This introduction revolutionized the valve market in the U.S.

M&H is the first to introduce, and still leads in the design and technical development, of the bubble-tight resilient seating valve.

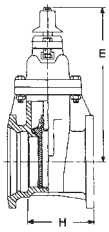
The M&H Resilient Wedge Valve, with its unique features and benefits, is the first to be manufactured with both AWWA and UL/FM approval for all water system requirements.



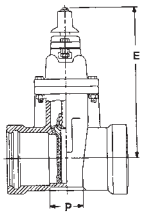
7571
MECHANICAL JOINT
4"– 20"



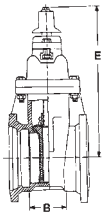
7561
FLANGED
4"– 20"



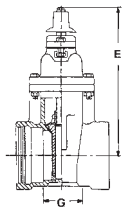
7572
FLANGED X
MECHANICAL JOINT
4"– 20"



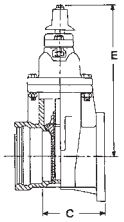
7597
PUSH ON FOR
SDR PVC
4"– 12"



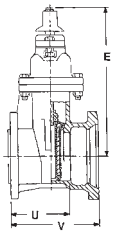
7576
MECHANICAL
CUTTING IN JOINT
4"– 12"



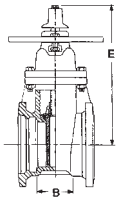
7901
TYTON ENDS FOR D.I.
AND C900 PVC PIPE
4"– 16"



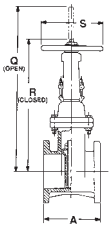
7902
FLANGED X TYTON
4"– 12"



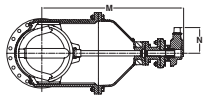
7590
TAPPING X MJ
TAPPING VALVE
4"– 20"



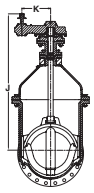
7571-P
MECHANICAL JOINT
POST INDICATOR VALVE
4"– 16"



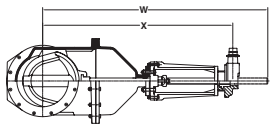
7068
FLANGED OS&Y
4"– 16"



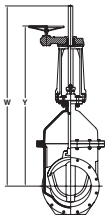
BEVEL GEARING
HORIZONTAL
INSTALLATION
ALL END STYLES
14"– 20"



SPUR GEARING
VERTICAL
INSTALLATION
ALL END STYLES
14"– 20"



OS&Y BEVEL GEARING
HORIZONTAL INSTALLATION
ALL END STYLES
14"– 20"



OS&Y SPUR
GEARING VERTICAL
INSTALLATION
ALL END STYLES
14"– 20"

NOTE:

It is recommended that valves be installed with stems vertical when used in raw sewage or sludge applications or in water with excessive sediment. Flanged end connections not recommended for buried service.

VALVE SIZE	A	B	C	E	G	H	J	K	M	N	P	Q	R	S	U	V	NO. OF TURNS TO FULL OPEN NO GEAR	NO. OF TURNS TO FULL OPEN GEARED	W	X	Y
4"	9	4-1/2	6-3/4	14-3/4	4-5/8	6-3/4	–	–	–	–	4-1/2	22-3/4	18-1/4	10	6-3/4	9-1/4	13-1/2	–	–	–	–
6"	10-1/2	5-1/2	7-7/8	19	5-1/4	8	–	–	–	–	5	30-1/8	23-3/4	12	8	10-1/2	19-1/2	–	–	–	–
8"	11-1/2	8-1/8	8-1/2	22-1/2	5-5/8	9-3/4	–	–	–	–	5-1/2	37-3/4	29-1/4	14	10-3/4	13-1/4	25-1/2	–	–	–	–
10"	13	10-1/2	10	26-1/2	7	11-3/4	–	–	–	–	7	45-3/4	35-3/8	18	11-3/4	14-7/8	31-1/2	–	–	–	–
12"	14	10-3/4	11-1/4	30	8-1/2	12-7/8	–	–	–	–	8-1/2	53-1/8	40-3/8	18	12-3/8	15	37-3/4	–	–	–	–
14"	15	10	–	37-3/4	10-1/2	13-1/2	52-1/8	8	48-5/8	9-1/8	–	74-3/4	59-3/4	22	13-1/4	16-3/4	52	100	76	59-7/8	64-1/2
16"	16	10	–	37-3/4	10-1/2	13	51-1/8	8	47-5/8	9-1/8	–	74-3/4	59-3/4	22	12-3/4	16-1/4	52	100	76	59-7/8	64-1/2
18"	17	11-3/4	–	–	–	14-7/8	58	12	55-3/4	10-1/8	–	–	–	–	14-5/8	18-1/8	–	189	90-7/8	70-1/8	74-5/8
20"	18	11	–	–	–	14-1/2	57	12	54-3/4	10-1/8	–	–	–	–	14-1/2	18	–	189	90-7/8	70-1/8	74-5/8

ENGINEERING FEATURES

THRUST BEARINGS
Delrin thrust bearings above and below the thrust collar reduce friction and minimize operating torques.

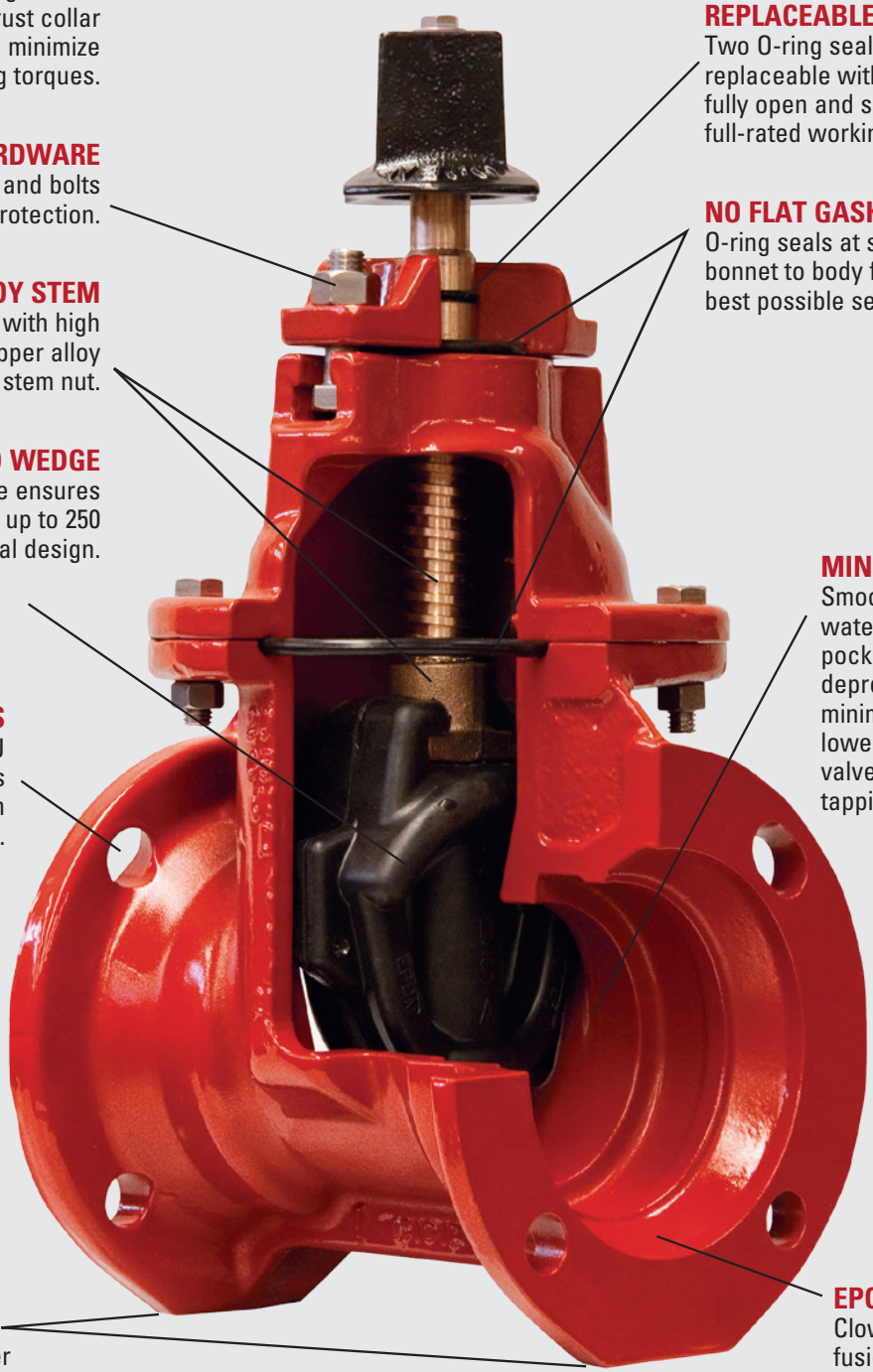
STAINLESS STEEL HARDWARE
304 stainless steel nuts and bolts provide long-life corrosion protection.

COPPER ALLOY STEM
Long, trouble free life with high strength, non-corrosive copper alloy stem and stem nut.

100% COATED WEDGE
100% coated wedge ensures bubble-tight seal every time up to 250 PSI. With twin seal design.

ELLIPTICAL BOLT HOLES
Hole design on MJ connection eliminates the need for anti-rotation bolts (4"– 12").

EASY STORAGE
Pads on the bottom of all valves keep valve in upright position for easier storage and protection from the elements.



REPLACEABLE O-RINGS
Two O-ring seals are replaceable with the valve fully open and subjected to full-rated working pressure.

NO FLAT GASKETS
O-ring seals at stuffing box and bonnet to body flanges to ensure the best possible seal.

MINIMAL FLOW LOSS
Smooth, unobstructed waterway is free of pockets, cavities, and depressions allowing for minimal flow loss and lower pumping costs. All valves accept full size tapping cutter.

EPOXY COATING
Clow corrosion resistant fusion-bonded epoxy coating, conforming to AWWA C550 and NSF 61 Certified, protects both inside and outside of valve.

VALVE RATING: All valves are rated at 250 PSI for AWWA service and hydrostatically tested to 500 PSI. Valves through 16" are rated at 200 PSI for UL/FM service.

COMMITTED TO ENVIRONMENTAL RESPONSIBILITY

M&H 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.

To learn more about our commitment to the environment, call 256-237-3521

RECOMMENDED SPECIFICATIONS

1. Valves shall conform to the latest revision of AWWA Standard C515 covering resilient seated gate valves for water supply service.
2. The valves shall have a ductile iron body, bonnet, and O-ring plate. The wedge shall be totally encapsulated with rubber.
3. The sealing rubber shall be permanently bonded to the wedge per ASTM D429.
4. Valves shall be supplied with O-ring seals at all pressure retaining joints. No flat gaskets shall be allowed.
5. The valves shall be either non-rising stem or rising stem, opening by turning left or right, and provided with 2" square operating nut or a handwheel with the word "Open" and an arrow to indicate the direction to open.
6. Stems shall be cast copper alloy with integral collars in full compliance with AWWA. All stems shall operate with copper alloy stem nuts independent of wedge and of stem (in NRS valves).
7. Stems shall have two O-rings located above thrust collar and one O-ring below. Stem O-rings shall be replaceable with valve fully opened and subjected to full pressure. The stems on 4" – 20" shall also have two low torque thrust bearings located above and below the stem collar to reduce friction during operation.
8. Waterway shall be smooth, unobstructed and free of all pockets, cavities and depressions in the seat area. Valves 4" and larger shall accept a full size tapping cutter.
9. The body, bonnet and O-ring plate shall be fusion-bond epoxy coated, both interior and exterior on body and bonnet. Epoxy shall be applied in accordance with AWWA C550 and be NSF 61 Certified.
10. Each valve shall have maker's name, pressure rating, and year in which it was manufactured cast in the body. Prior to shipment from the factory, each valve shall be tested by hydrostatic pressure equal to the requirements of AWWA C515 (and UL/FM where applicable).
11. Valves shall have all component parts cast and assembled in the USA and shall be manufactured by the M&H Valve Company.

www.mh-valve.com

M&H VALVE COMPANY

605 West 23rd Street • Anniston, Alabama 36201
PHONE 256-237-3521 FAX 888-549-5309

For Generations

SPECIFICATIONS / AVAILABLE CONFIGURATIONS & STYLE NUMBERS (2”-20”)

M&H AWWA C515 RESILIENT WEDGE GATE VALVES (2000)

M&H Valve AWWA C515 Resilient Wedge Gate Valves
Meet or Exceed the Requirements of AWWA Standard C515

Size Range	Water Working Pressure psi	Bubble Tight Seat Test psi	Hydrostatic Shell Test psi
AWWA 2” – 20”	250 Water Works	250 & 400	500
ULFM 4” – 16”	200 Fire Protection	250 & 400	500

Available End Connections (No Gear)	**Style No. Size Range**	**Style No. With 2” Nut**	**Style No. With Hand wheel**	**With Post Plate**
Mechanical Joint (NRS) (no 2 ½”)	2”-16”	7571	7571-HW	7571-P (3”-16”)
Flanged Ends (NRS)	2”-16”	7561	7561-HW	7561-P (3”-16”)
Flanged End X Mechanical Joint (NRS)	3”-16”	7572	7572-HW	7572-P (3”-16”)
Push-on (NRS) (For PVC / SDR)	2”-12”	7597	7597-HW	7597-P (3”-12”)
Threaded (NRS)	2”-3”	7057	7057-HW	7057-P (3”only)
Threaded (NRS)(With T-Head Nut)	2”-3”	7067-07THN (With T-Head Nut)		
***Threaded (OS&Y)	2”-3”	N/A	7067	N/A
Tyton X Tyton (NRS) (For D.I. / C900)	4”-12”&16”	7901	7901-HW	7901-P (4”-12”&16”)
Tyton X Flange (NRS) (For D.I. / C900)	4”-12”	7902	7902-HW	7902-P (4”-12”)
***Flanged Ends (OS&Y)	2”-16”	N/A	7068 & 7068A*	N/A
**Tapping Valve (NRS)	4”-16”	7950	7950-HW	7950-P (4”-16)
M.J. Cutting-in Valve (NRS)	4”-12”	7576	7576-HW	7576-P (4”-12”)
****Flanged End (Open Mitre Box)	3”-12”	7211-O	7211-O-HW	N/A
****Flanged End (Enclosed Mitre Box)	4”-12”	7211-C	7211-C-HW	N/A

Available End Connections (Bevel Gear)	**Size Range**	**Style No. With 2” Nut**	**Style No. With Hand wheel**
Mechanical Joint (NRS)	14-20”	7571-B	7571-BHW
Flanged Ends (NRS)	14”-20”	7561-B	7561-BHW
Flanged End X Mechanical Joint (NRS)	14”-20”	7572-B	7572-BHW
Tyton X Tyton (NRS) (For D.I. / C900)	16”	7901-B	7901-BHW
Flanged Ends (OS&Y)	14”-20”	7068-B	7068-BHW
**Tapping Valve (NRS)	14”-16”	7950-B	7950-BHW

Available End Connections (Spur Gear)	**Size Range**	**Style No. With 2” Nut**	**Style No. With Hand wheel**
Mechanical Joint (NRS)	14-20”	7571-S	7571-SHW
Flanged Ends (NRS)	14”-20”	7561-S	7561-SHW
Flanged End X Mechanical Joint (NRS)	14”-20”	7572-S	7572-SHW
Tyton X Tyton (NRS) (For D.I. / C900)	16”	7901-S	7901-SHW
Flanged Ends (OS&Y)	14”-20”	7068-S	7068-SHW
**Tapping Valve (NRS)	14”-16”	7950-S	7950-SHW

Note: 2” to 3” sizes full wall ductile iron (per AWWA Dimensions)
*7068A is Tapped & Plugged in “A” Position (2” – 4” = ½” tap)(6” – 12” = ¾” tap)
**Each size accommodates a full size diameter tapping cutter..
***2” OS&Y Flanged and Threaded versions are UL Listed
****All other end connections available.
18” and larger RS gate valves will be furnished with either bevel or spur gearing.
By-pass valve not required on gate valves through 24”

NOTE: It is recommended that valves be installed with stems vertical when used in raw sewage or sludge applications or in water with excessive sediment.

Certified to NSF/ANSI 61-G

Sizes 2" - 12"

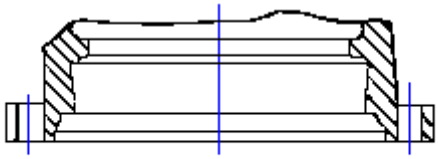
September 1, 2012 / C515 Gate Valves

END CONNECTIONS (4”-12”)

M&H AWWA C515 RESILIENT WEDGE GATE VALVES (2000)

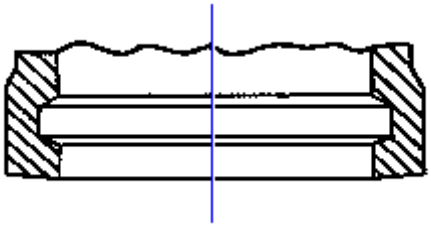
Shown at right are the principal ends available on M&H Gate valves. Other type ends are available upon request.

Mechanical Joint end valves are furnished for use with mechanical joint cast iron pipe. Mechanical joint bolts, glands and gaskets are furnished unless otherwise specified in order Mechanical joint ends are in accordance with ANSI/ AWWA C111 / A21.11.



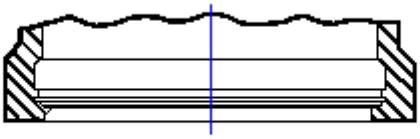
Mechanical Joint End

PVC Plastic end valves are furnished for use with PVC water pipe. Gaskets are furnished with valves for installation on pipe.



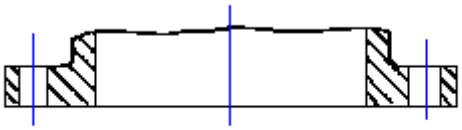
PVC End

Push on ends for C900 plastic and ductile and cast iron pipe furnished with stab rubber gaskets to ANSI / AWWA C111/A21.11.



Push-On-End

Flanged end valves are furnished with flanges made to ANSI / AWWA C110/A21.10 (ASME B16.1, Class 125) dimensions. Flanged end valves are most commonly used for filtration plants, sewage disposal plants and pump stations. Flanged valves have the advantage of quick and easy removal for repairs or replacement without disrupting the pipe line.



Flanged End

Flanged by mechanical joint end valves frequently are used as auxiliary gate valves with flanged end fire hydrants, also to connect flanged pipe to mechanical joint pipe lines.

Threaded / Screwed end valves are furnished for smaller pipelines for general service with iron pipe threads, in accordance with ASME B16.9, Class 125.

Screwed End