



HAMMOND

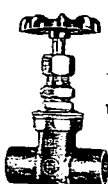
HEAVY-DUTY VALVES

600 SERIES GATE VALVES



No. 609
N. R. S.
GATE, 125 lb. WSP

With solid wedge disc. Complies with Federal Spec. No. WW-V-54, type 1, class A. May be repacked when fully open. Recommended for heavy-duty services up to 125 lb. w.s.p. and 200 lb. w.o.g. Available $\frac{1}{4}$ " to 3". Also available with drainable end. Specify on order.



No. 613
N. R. S.
GATE S. J.,
125 lb. WSP

Construction features identical to No. 609, but with sweat end connections for use with copper tubing. Meets Federal Spec. No. WW-V-54, type 1, class A. Available $\frac{1}{4}$ " to 3".



**No. 617
& No. 618**
UNION
BONNET
GATE,
125 lb.
WSP

Rising stem, solid wedge disc gate valve. Rated 125 lb. W.S.P. Meets MIL Spec. WW-V-54, Type 2, Class A. No. 618 features double disc, meets WW-V-54, Type 3, Class A. Sizes $\frac{1}{4}$ " to 3". Both styles available in copper-to-copper as No. 617c and 618c.



No. 619
M. R. S.
GATE,
150 lb. WSP

With solid wedge disc. Meets Federal Spec. WW-V-54, type 1, class B. Large sized, generously proportioned, with extra strength for service requirements at 150 lb. w.s.p. and 300 lb. water, oil or gas. Available $\frac{1}{4}$ " to 3".



No. 622
BRAZING
TYPE N.R.S.
GATE,
150 lb.
WSP

With construction features and ratings similar to No. 619, but with socket ends for brazing. Used for industrial construction and general piping where resistance to shock is of primary importance. Available $\frac{1}{4}$ " to 3". No. 615 available for 125 lb. w.s.p.



No. 626
RISING
STEM
GATE,
150 lb.
WSP

With double wedge disc. Sturdily designed for services to 150 lb. steam, 300 lb. w.o.g. Available $\frac{1}{4}$ " to 2".



**No. 629
& No. 631**
UNION
BONNET
GATE,
150 lb.
WSP

Rising stem, solid wedge disc gate valve. Meets MIL Spec. WW-V-54, Type 2, Class B. No. 631 features double disc, meets spec. WW-V-54, Type 3, Class B. Sizes $\frac{1}{4}$ " to 2". Both available in copper-to-copper as No. 629c and 631c.

No. 611

MONEL STEM GATE, 100 lb. WSP

Non-rising monel stem solid wedge disc gate valve. Meets military specifications MIL-V-1189, type A. Rated for 100 lb. w.s.p. 200 lb. w.o.g. Available $\frac{1}{4}$ " to 2".

No. 612C & No. 612

N. R. S. GATE, 200 lb. WSP

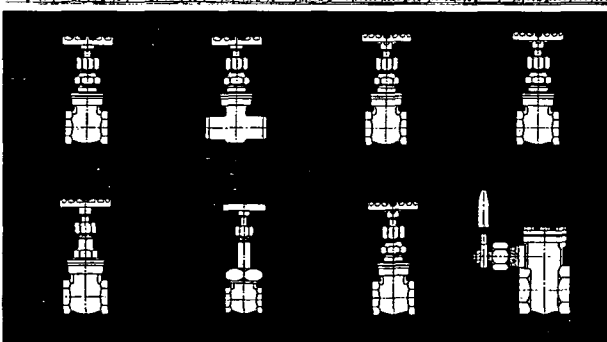
Heavy-duty, non-rising stem gate valve with solid wedge disc. Rated for 200 lb. w.s.p. Also available as Fig. 612 with monel trim to meet government specifications MIL-V-20231A (Ship). Available $\frac{1}{4}$ " to 3".



No. 610 QUICK OPENING GATE, 125 lb. WSP

Solid wedge disc is operated with quick opening lever. Meets military spec. MIL-V-12128 (CS), class 1. Rated for 125 lb. steam and 200 lb. non-shock on water, oil or gas lines. Available in $\frac{1}{4}$ ", $\frac{1}{2}$ ", 1", 1 $\frac{1}{4}$ " and 2" sizes.

SIZE	No. 609			No. 613			No. 619			No. 622			No. 626			No. 629 & 631			No. 612C			No. 610		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
1/4"	1 1/2	3 1/2	1 1/2	1 1/2	3 1/2	1 1/2	1 1/2	3 1/2	1 1/2	1 1/2	3 1/2	1 1/2	1 1/2	3 1/2	1 1/2	1 1/2	3 1/2	1 1/2	1 1/2	3 1/2	1 1/2	1 1/2	3 1/2	1 1/2
1/2"	1 3/4	3 3/4	1 3/4	1 3/4	3 3/4	1 3/4	1 3/4	3 3/4	1 3/4	1 3/4	3 3/4	1 3/4	1 3/4	3 3/4	1 3/4	1 3/4	3 3/4	1 3/4	1 3/4	3 3/4	1 3/4	1 3/4	3 3/4	1 3/4
3/4"	2 1/4	4 1/4	2 1/4	2 1/4	4 1/4	2 1/4	2 1/4	4 1/4	2 1/4	2 1/4	4 1/4	2 1/4	2 1/4	4 1/4	2 1/4	2 1/4	4 1/4	2 1/4	2 1/4	4 1/4	2 1/4	2 1/4	4 1/4	2 1/4
1"	2 3/4	4 3/4	2 3/4	2 3/4	4 3/4	2 3/4	2 3/4	4 3/4	2 3/4	2 3/4	4 3/4	2 3/4	2 3/4	4 3/4	2 3/4	2 3/4	4 3/4	2 3/4	2 3/4	4 3/4	2 3/4	2 3/4	4 3/4	2 3/4
1 1/4"	3 1/4	5 1/4	3 1/4	3 1/4	5 1/4	3 1/4	3 1/4	5 1/4	3 1/4	3 1/4	5 1/4	3 1/4	3 1/4	5 1/4	3 1/4	3 1/4	5 1/4	3 1/4	3 1/4	5 1/4	3 1/4	3 1/4	5 1/4	3 1/4
1 1/2"	3 3/4	5 3/4	3 3/4	3 3/4	5 3/4	3 3/4	3 3/4	5 3/4	3 3/4	3 3/4	5 3/4	3 3/4	3 3/4	5 3/4	3 3/4	3 3/4	5 3/4	3 3/4	3 3/4	5 3/4	3 3/4	3 3/4	5 3/4	3 3/4
2"	4 1/4	6 1/4	4 1/4	4 1/4	6 1/4	4 1/4	4 1/4	6 1/4	4 1/4	4 1/4	6 1/4	4 1/4	4 1/4	6 1/4	4 1/4	4 1/4	6 1/4	4 1/4	4 1/4	6 1/4	4 1/4	4 1/4	6 1/4	4 1/4
2 1/2"	4 3/4	6 3/4	4 3/4	4 3/4	6 3/4	4 3/4	4 3/4	6 3/4	4 3/4	4 3/4	6 3/4	4 3/4	4 3/4	6 3/4	4 3/4	4 3/4	6 3/4	4 3/4	4 3/4	6 3/4	4 3/4	4 3/4	6 3/4	4 3/4
3"	5 1/4	7 1/4	5 1/4	5 1/4	7 1/4	5 1/4	5 1/4	7 1/4	5 1/4	5 1/4	7 1/4	5 1/4	5 1/4	7 1/4	5 1/4	5 1/4	7 1/4	5 1/4	5 1/4	7 1/4	5 1/4	5 1/4	7 1/4	5 1/4



HAMMOND

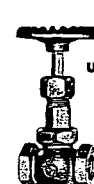
HEAVY-DUTY VALVES

400 SERIES GLOBE VALVES



No. 410
BRONZE
DISC GLOBE,
125 lb. WSP

Sturdily constructed. All sizes have swivel discs— $\frac{1}{4}$ " size and larger have renewable discs. Meets all service requirements up to 125 lb. working steam pressure, 200 lb. water, oil or gas. Available $\frac{1}{4}$ " to 2".



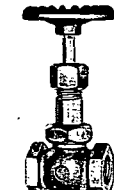
No. 410D
UNION BONNET
GLOBE,
125 lb. WSP

Extra strong brass disc globe valve with union bonnet. Meets Federal Spec. WW-V-51A, type 1, class A. Ratings and sizes same as No. 410.



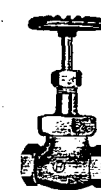
No. 411 & 411C
REGRINDING
GLOBE,
200 lb. WSP

With plug type brass disc, union bonnet. For close control, throttling, regulating. Meets military spec. MIL-V-1202-A, type A. Stems of monel. Has gland follower, $\frac{1}{4}$ " size and larger have renewable and swivel discs. Sizes $\frac{1}{4}$ " to 2". Available as No. 411C with high tensile bronze stem instead of monel.



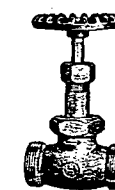
**No. 412
and 412C**
REGRINDING
GLOBE, 300 lb. WSP

Construction features similar to No. 411 but more heavily constructed for all types of service up to 300 lb. steam, 600 lb. water, oil or gas. Monel stem and disc. Meets military spec. MIL-V-1187, type A. Sizes $\frac{1}{4}$ " to 2". Also available with high tensile bronze stem and disc instead of monel as No. 412C.



No. 413
COMPOSITION
DISC GLOBE,
150 lb. WSP

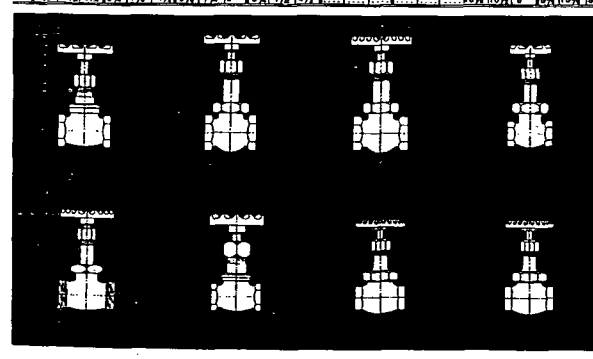
Has slip-on type disc holder for quick disc replacement, stuffing box, gland follower, union bonnet. Complies with Federal Spec. WW-V-51A, type 1, class B. For industrial steam service up to 150 lb. steam, 300 lb. w.o.g. Sizes $\frac{1}{4}$ " to 2". Also available in copper-to-copper as No. 423.



No. 414
MONEL DISC
GLOBE, 200 lb. WSP

With double union ends, meets Bureau of Ships spec. B-164, alt. 7. Has monel seating, union bonnet. Double union ends used for silver brazing. Primarily for ship board use. Rated 200 lb. steam, 400 w.o.g. Available $\frac{1}{4}$ " to $\frac{1}{2}$ ". Also available in angle type, No. 460, $\frac{1}{4}$ " size only.

ROUGHING-IN DIMENSIONS SERIES 400 GLOBE VALVES																								
SIZE	No. 410			No. 411 & 411C			No. 412 & 412C			No. 413			No. 414			No. 415			No. 416			No. 417		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
1/4"	1 1/2	3 1/2	1 1/2	1 1/2	3 1/2	1 1/2	1 1/2	3 1/2	1 1/2	1 1/2	3 1/2	1 1/2	1 1/2	3 1/2	1 1/2	1 1/2	3 1/2	1 1/2	1 1/2	3 1/2	1 1/2	1 1/2	3 1/2	1 1/2
1/2"	1 3/4	3 3/4	1 3/4	1 3/4	3 3/4	1 3/4	1 3/4	3 3/4	1 3/4	1 3/4	3 3/4	1 3/4	1 3/4	3 3/4	1 3/4	1 3/4	3 3/4	1 3/4	1 3/4	3 3/4	1 3/4	1 3/4	3 3/4	1 3/4
3/4"	2 1/4	4 1/4	2 1/4	2 1/4	4 1/4	2 1/4	2 1/4	4 1/4	2 1/4	2 1/4	4 1/4	2 1/4	2 1/4	4 1/4	2 1/4	2 1/4	4 1/4	2 1/4	2 1/4	4 1/4	2 1/4	2 1/4	4 1/4	2 1/4
1"	2 3/4	4 3/4	2 3/4	2 3/4	4 3/4	2 3/4	2 3/4	4 3/4	2 3/4	2 3/4	4 3/4	2 3/4	2 3/4	4 3/4	2 3/4	2 3/4	4 3/4	2 3/4	2 3/4	4 3/4	2 3/4	2 3/4	4 3/4	2 3/4
1 1/4"	3 1/4	5 1/4	3 1/4	3 1/4	5 1/4	3 1/4	3 1/4	5 1/4	3 1/4	3 1/4	5 1/4	3 1/4	3 1/4	5 1/4	3 1/4	3 1/4	5 1/4	3 1/4	3 1/4	5 1/4	3 1/4	3 1/4	5 1/4	3 1/4
1 1/2"	3 3/4	5 3/4	3 3/4	3 3/4	5 3/4	3 3/4	3 3/4	5 3/4	3 3/4	3 3/4	5 3/4	3 3/4	3 3/4	5 3/4	3 3/4	3 3/4	5 3/4	3 3/4	3 3/4	5 3/4	3 3/4	3 3/4	5 3/4	3 3/4
2"	4 1/4	6 1/4	4 1/4	4 1/4	6 1/4	4 1/4	4 1/4	6 1/4	4 1/4	4 1/4	6 1/4	4 1/4	4 1/4	6 1/4	4 1/4	4 1/4	6 1/4	4 1/4	4 1/4	6 1/4	4 1/4	4 1/4	6 1/4	4 1/4
2 1/2"	4 3/4	6 3/4	4 3/4	4 3/4	6 3/4	4 3/4	4 3/4	6 3/4	4 3/4	4 3/4	6 3/4	4 3/4	4 3/4	6 3/4	4 3/4	4 3/4	6 3/4	4 3/4	4 3/4	6 3/4	4 3/4	4 3/4	6 3/4	4 3/4
3"	5 1/4	7 1/4	5 1/4	5 1/4	7 1/4	5 1/4	5 1/4	7 1/4	5 1/4	5 1/4	7 1/4	5 1/4	5 1/4	7 1/4	5 1/4	5 1/4	7 1/4	5 1/4	5 1/4	7 1/4	5 1/4	5 1/4	7 1/4	5 1/4
3 1/2"	5 3/4	7 3/4	5 3/4	5 3/4	7 3/4	5 3/4	5 3/4	7 3/4	5 3/4	5 3/4	7 3/4	5 3/4	5 3/4	7 3/4	5 3/4	5 3/4	7 3/4	5 3/4	5 3/4	7 3/4	5 3/4	5 3/4	7 3/4	5 3/4
4"	6 1/4	8 1/4	6 1/4	6 1/4	8 1/4	6 1/4	6 1/4	8 1/4	6 1/4	6 1/4	8 1/4	6 1/4	6 1/4	8 1/4	6 1/4	6 1/4	8 1/4	6 1/4	6 1/4	8 1/4	6 1/4	6 1/4	8 1/4	6 1/4
4 1/2"	6 3/4	8 3/4	6 3/4	6 3/4	8 3/4	6 3/4	6 3/4	8 3/4	6 3/4	6 3/4	8 3/4	6 3/4	6 3/4	8 3/4	6 3/4	6 3/4	8 3/4	6 3/4	6 3/4	8 3/4	6 3/4	6 3/4	8 3/4	6 3/4
5"	7 1/4	9 1/4	7 1/4	7 1/4	9 1/4	7 1/4	7 1/4	9 1/4	7 1/4	7 1/4	9 1/4	7 1/4	7 1/4	9 1/4	7 1/4	7 1/4	9 1/4	7 1/4	7 1/4	9 1/4	7 1/4	7 1/4	9 1/4	7 1/4
5 1/2"	7 3/4	9 3/4	7 3/4	7 3/4	9 3/4	7 3/4	7 3/4	9 3/4	7 3/4	7 3/4	9 3/4	7 3/4	7 3/4	9 3/4	7 3/4	7 3/4	9 3/4	7 3/4	7 3/4	9 3/4	7 3/4	7 3/4	9 3/4	7 3/4
6"	8 1/4	10 1/4	8 1/4	8 1/4	10 1/4	8 1/4	8 1/4	10 1/4	8 1/4	8 1/4	10 1/4	8 1/4	8 1/4	10 1/4	8 1/4	8 1/4	10 1/4	8 1/4	8 1/4	10 1/4	8 1/4	8 1/4	10 1/4	8 1/4
6 1/2"	8 3/4	10 3/4	8 3/4	8 3/4	10 3/4	8 3/4	8 3/4	10 3/4	8 3/4	8 3/4	10 3/4	8 3/4	8 3/4	10 3/4	8 3/4	8 3/4	10 3/4	8 3/4	8 3/4	10 3/4	8 3/4	8 3/4	10 3/4	8 3/4
7"	9 1/4	11 1/4	9 1/4	9 1/4	11 1/4	9 1/4	9 1/4	11 1/4	9 1/4	9 1/4	11 1/4	9 1/4	9 1/4	11 1/4	9 1/4	9 1/4	11 1/4	9 1/4	9 1/4	11 1/4	9 1/4	9 1/4	11 1/4	9 1/4
7 1/2"	9 3/4	11 3/4	9 3/4	9 3/4	11 3/4	9 3/4	9 3/4	11 3/4	9 3/4	9 3/4	11 3/4	9 3/4	9 3/4	11 3/4	9 3/4	9 3/4	11 3/4	9 3/4	9 3/4	11 3/4	9 3/4	9 3/4	11 3/4	9 3/4
8"	10 1/4	12 1/4	10 1/4	10 1/4	12 1/4	10 1/4	10 1/4	12 1/4	10 1/4	10 1/4	12 1/4	10 1/4	10 1/4	12 1/4	10 1/4	10 1/4	12 1/4	10 1/4	10 1/4	12 1/4	10 1/4	10 1/4	12 1/4	10 1/4
8 1/2"	10 3/4	12 3/4	10 3/4	10 3/4	12 3/4	10 3/4	10 3/4	12 3/4	10 3/4	10 3/4	12 3/4	10 3/4	10 3/4	12 3/4	10 3/4	10 3/4	12 3/4	10 3/4	10 3/4	12 3/4	10 3/4	10 3/4	12 3/4	10 3/4
9"	11 1/4	13 1/4	11 1/4	11 1/4	13 1/4	11 1/4	11 1/4	13 1/4	11 1/4	11 1/4	13 1/4	11 1/4	11 1/4	13 1/4	11 1/4	11 1/4	13 1/4	11 1/4	11 1/4	13 1/4	11 1/4	11 1/4	13 1/4	11 1/4
9 1/2"	11 3/4	13 3/4	11 3/4	11 3/4	13 3/4	11 3/4	11 3/4	13 3/4	11 3/4	11 3/4	13 3/4	11 3/4	11 3/4	13 3/4	11 3/4	11 3/4	13 3/4	11 3/4	11 3/4	13 3/4	11 3/4	11 3/4	13 3/4	11 3/4
10"	12 1/4	14 1/4	12 1/4	12 1/4	14 1/4	12 1/4	12 1/4	14 1/4	12 1/4	12 1/4	14 1/4	12 1/4	12 1/4	14 1/4	12 1/4	12 1/4	14 1/4	12 1/4	12 1/4	14 1/4	12 1/4	12 1/4	14 1/4	12 1/4
10 1/2"	12 3/4	14 3/4	12 3/4	12 3/4	14 3/4	12 3/4	12 3/4	14 3/4	12 3/4	12 3/4	14 3/4	12 3/4	12 3/4	14 3/4	12 3/4	12 3/4	14 3/4	12 3/4	12 3/4	14 3/4	12 3/4	12 3/4	14 3/4	12 3/4
11"	13 1/4	15 1/4	13 1/4	13 1/4	15 1/4	13 1/4	13 1/4	15 1/4	13 1/4	13 1/4	15 1/4	13 1/4	13 1/4	15 1/4	13 1/4	13 1/4	15 1/4	13 1/4	13 1/4	15 1/4	13 1/4	13 1/4	15 1/4	13 1/4
11 1/2"	13 3/4	15 3/4	13 3/4	13 3/4	15 3/4	13 3/4	13 3/4	15 3/4	13 3/4	13 3/4	15 3/4	13 3/4	13 3/4	15 3/4	13 3/4	13 3/4	15 3/4	13 3/4	13 3/4	15 3/4	13 3/4	13 3/4	15 3/4	13 3/4
12"	14 1/4	16 1/4	14 1/4	14 1/4	16 1/4	14 1/4	14 1/4	16 1/4	14 1/4	14 1/4	16 1/4	14 1/4	14 1/4	16 1/4	14 1/4	14 1/4	16 1/4	14 1/4	14 1/4	16 1/4	14 1/4	14 1/4	16 1/4	14 1/4
12 1/2"	14 3/4	16 3/4	14 3/4	14 3/4	16 3/4	14 3/4	14 3/4	16 3/4	14 3/4	14 3/4	16 3/4	14 3/4	14 3/4	16 3/4	14 3/4	14 3/4	16 3/4	14 3/4	14 3/4	16 3/4	14 3/4	14 3/4	16 3/4	14 3/4
13"	15 1/4	17 1/4	15 1/4	15 1/4	17 1/4	15 1/4	15 1/4	17 1/4	15 1/4	15 1/4	17 1/4	15 1/4	15 1/4	17 1/4	15 1/4	15 1/4	17 1/4	15 1/4	15 1/4	17 1/4	15 1/4	15 1/4	17 1/4	15 1/4
13 1/2"	15 3/4	17 3/4	15 3/4	15 3/4	17 3/4	15 3/4	15 3/4	17 3/4	15 3/4	15 3/4	17 3/4	15 3/4	15 3/4	17 3/4	15 3/4	15 3/4	17 3/4	15 3/4	15 3/4	17 3/4	15 3/4	15 3/4	17 3/4	15 3/4
14"	16 1/4	18 1/4	16 1/4	16 1/4	18 1/4	16 1/4	16 1/4	18 1/4	16 1/4	16 1/4	18 1/4	16 1/4	16 1/4	18 1/4	16 1/4	16 1/4	18 1/4	16 1/4	16 1/4	18 1/4	16 1/4	16 1/4	18 1/4	16 1/4
14 1/2"	16 3/4	18 3/4	16 3/4	16 3/4	18 3/4	16 3/4	16 3/4	18 3/4	16 3/4	16 3/4	18 3/4	16 3/4	16 3/4	18 3/4	16 3/4	16 3/4	18 3/4	16 3/4	16 3/4	18 3/4	16 3/4	16 3/4	18 3/4	16 3/4
15"	17 1/4	19 1/4	17 1/4	17 1/4	19 1/4	17 1/4	17 1/4	19 1/4	17 1/4	17 1/4	19 1/4	17 1/4	17 1/4	19 1/4	17 1/4	17 1/4	19 1/4	17 1/4	17 1/4	19 1/4	17 1/4	17 1/4	19 1/4	17 1/4
15 1/2"	17 3/4	19 3/4	17 3/4	17 3/4	19 3/4	17 3/4	17 3/4	19 3/4	17 3/4	17 3/4	19 3/4	17 3/4	17 3/4	19 3/4	17 3/4	17 3/4	19 3/4	17 3/4	17 3/4	19 3/4	17 3/4	17 3/4	19 3/4	17 3/4
16"	18 1/4	20 1/4	18 1/4	18 1/4	20 1/4	18 1/4	18 1/4	20 1/4	18 1/4	18 1/4	20 1/4	18 1/4	18 1/4	20 1/4	18 1/4	18 1/4	20 1/4	18 1/4	18 1/4	20 1/4	18 1/4	18 1/4	20 1/4	18 1/4
16 1/2"	18 3/4	20 3/4	18 3/4	18 3/4	20 3/4	18 3/4	18 3/4	20 3/4	18 3/4	18 3/4	20 3/4	18 3/4	18 3/4	20 3/4	18 3/4	18 3/4	20 3/4	18 3/4	18 3/4	20 3/4	18 3/4	18 3/4	20 3/4	18 3/4
17"	19 1/4	21 1/4	19 1/4	19 1/4	21 1/4	19 1/4	19 1/4	21 1/4	19 1/4	19 1/4	21 1/4	19 1/4	19 1/4	21 1/4	19 1/4	19 1/4	21 1/4	19 1/4	19 1/4	21 1/4	19 1/4	19 1/4	21 1/4	19 1/4
17 1/2"	19 3/4	21 3/4	19 3/4	19 3/4	21 3/4	19 3/4	19 3/4	21 3/4	19 3/4	19 3/4	21 3/4	19 3/4	19 3/4	21 3/4	19 3/4	19 3/4	21 3/4	19 3/4	19 3/4	21 3/4	19 3/4	19 3/4	21 3/4	19 3/4
18"	20 1/4	22 1/4	20 1/4	20 1/4	22 1/4	20 1/4	20 1/4	22 1/4	20 1/4	20 1/4	22 1/4	20 1/4	20 1/4	22 1/4	20 1/4	20 1/4	22 1/4	20 1/4	20 1/4	22 1/4	20 1/4	20 1/4	22 1/4	20 1/4
18 1/2"	20 3/4	22 3/4	20 3/4	20 3/4	22 3/4	20 3/4	20 3/4	22 3/4	20 3/4	20 3/4	22 3/4	20 3/4	20 3/4	22 3/4	20 3/4	20 3/4	22 3/4	20 3/4	20 3/4	22 3/4	20 3/4	20 3/4	22 3/4	20 3/4
19"	21 1/4	23 1/4	21 1/4	21 1/4	23 1/4	21 1/4	21 1/4	23 1/4	21 1/4	21 1/4	23 1/4	21 1/4	21 1/4	23 1/4	21 1/4	21 1/4	23 1/4	21 1/4	21 1/4	23 1/4	21 1/4	21 1/4	23 1/4	21 1/4
19 1/2"	21 3/4	23 3/4	21 3/4	21 3/4	23 3/4	21 3/4	21 3/4	23 3/4	21 3/4	21 3/4	23 3/4	21 3/4	21 3/4	23 3/4	21 3/4	21 3/4	23 3/4	21 3/4	21 3/4	23 3/4	21 3/4	21 3/4	23 3/4	21 3/4
20"	22 1/4	24 1/4	22 1/4	22 1/4	24 1/4	22 1/4	22 1/4	24 1/4	22 1/4	22 1/4	24 1/4	22 1/4	22 1/4	24 1/4	22 1/4	22 1/4	24 1/4	22 1/4	22 1/4	24 1/4	22 1/4	22 1/4	24 1/4	22 1/4
20 1/2"	22 3/4	24 3/4	22 3/4	22 3/4	24 3/4	22 3/4	22 3/4	24 3/4	22 3/4	22 3/4	24 3/4	22 3/4	22 3/4	24 3/4	22 3/4	22 3/4	24 3/4	22 3/4	22 3/4	24 3/4	22 3/4	22 3/4	24 3/4	22 3/4
21"	23 1/4	25 1/4	23 1/4	23 1/4	25 1/4	23 1/4	23 1/4	25 1/4	23 1/4	23 1/4	25 1/4	23 1/4	23 1/4	25 1/4	23 1/4	23 1/4	25 1/4	23 1/4	23 1/4	25 1/4	23 1/4	23 1/4	25 1/4	23 1/4
21 1/2"	23 3/4	25 3/4	23 3/4																					



No. 415 NEEDLE VALVE, 200 lb. WSP

Produced to Federal Specification, meets requirements of 200 lb. working steam pressure. Available in $\frac{1}{4}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ ", 1", 1 $\frac{1}{4}$ " sizes.



No. 435C "500 BRINELL" GLOBE VALVE PLUG TYPE

With "500 Brinell" hardened stainless steel disc and renewable seat. Rated 300 lb. steam, 600 lb. w.o.g. Available $\frac{1}{4}$ " to 2". No. 433 and 434, 150 lb., 200 lb. designs of No. 435C. No. 435, "AAR" globe, meets MIL-V-1187B, type 2.

