

CAST STEEL GATE VALVES

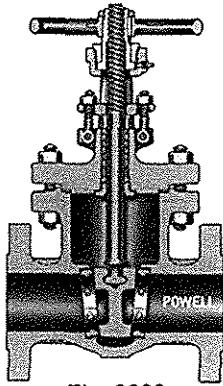


Fig. 3003

Flanged

Fig. 3003WE - Welding
Sizes, 2" through 12"

For Sizes, 14" through 42" see page 39

FEATURES

- Flexible Wedge insures pressure tightness and reduces operating torque needed to open the valve. Solid Wedges are furnished in valves-2" and 2 1/2"
- Stellite faced Seat Rings are welded into the body. This provides a positive no-leak seal of the ring in the valve body and will resist corrosion, erosion and galling
- Bonnet/Yokearm permits easy installation of an actuator, adapto gearing, cylinder or motor
- Valves are furnished with a back seat bushing arrangement in the bonnet
- Valves, sizes 2" and 2 1/2" have square bonnets and nested gasket

ORDERING

- When ordering Butt Welding End valves, specify schedule of pipe end and give complete data concerning style, figure number and contour of weld end

CLASS 300 BOLTED FLANGED YOKE-BONNET OUTSIDE SCREW RISING STEM FLANGED and WELDING ENDS

PRESSURE/TEMPERATURE RATINGS

In accordance with ASME B16.34

MATERIALS

DESCRIPTION	MATERIAL	ASTM Spec.
Handwheel Nut	Malleable Iron	A-47, Grade 32510
Handwheel	Malleable Iron	A-47, Grade 32510
Handwheel Key	Steel	A-108, Grade 1015/1025
Stem Bushing Locknut (2"-4")	Malleable Iron	A-47, Grade 32510
Bonnet	Carbon Steel	A-216, Grade WCB
Lubricant Fitting	-	Commercial
Stem Bushing	Ductile Ni-Resist	A-439, Type D2
Stem	Stainless Steel	† A-182, Grade F6a
Eyebolt Nuts	Steel	A-563, Grade A or B
Gland Flange	Steel	AISI 1030
Gland	Steel	A-108, Gr. 1015/1025
Groov-Pins	Steel	Commercial
Eyebolts	Steel	A-307, Grade B
Packing	Grafoil	Commercial
Body Nuts	Steel	A-194, Grade 2H
Body Seat Bushing	Stainless Steel	† A-276, Type 410
Body Studs	Steel	A-193, Grade B7
Gasket (Double Jacket)	Soft Iron/Steel *	Commercial
Body	Carbon Steel	A-216, Grade WCB
Seat Ring	Steel/Stellite Facing	A-519, Gr. 1015/1025
Wedge	Stainless Steel or Carbon Steel/13% Chrome Facing	A-217, Grade CA15 A-216, Grade WCB
Cap Screws (6"-12")	Steel	A-449
Bearing Cap (6"-12")	Malleable Iron	A-47, Grade 32510
Yokearm (10"-12")	Carbon Steel	A-216, Grade WCB
Yokearm Nuts (10"-12")	Steel	A-194, Grade 2H
Yokearm Studs (10"-12")	Steel	A-193, Grade B7
Packing Washer	Steel	A-108, Gr. 1015/1025
Packing Spacer	Steel	A-108, Gr. 1015/1025

† Or Equal

* Non-Asbestos Insert

SPECIFICATIONS

- Flanged and Butt Welding End valves conform to ASME B16.5 B16.10, B16.25, B16.34 and API 600
- Flanged End valves can be furnished with ring joint flanges

DIMENSIONS (Inches)

Sizes	2	2 1/2	3	4	6	8	10	12
O	8 1/2	9 1/2	11 1/8	12	15 7/8	16 1/2	18	19 3/4
N	8 1/2	9 1/2	11 1/8	12	15 7/8	16 1/2	18	19 3/4
A	15 1/2	16 3/4	19 1/4	23 7/8	33 1/8	41 1/4	50 1/4	57 5/8
V	8	8	9	10	14	16	20	20
D	2.067	2.469	3.068	4.026	6.065	7.981	10.02	12.00

WEIGHTS (Pounds)

Fig. 3003	57	85	110	165	320	500	800	1230
Fig. 3003WE	45	60	80	120	250	410	690	940

