

Butt weld Top Entry Valves

Butt weld Valve Dimensions

ANSI 300 Class Butt weld* Top Entry Valves

Size	A	B	C	D	E	F
1/2"	0.81	2.75	5.50	3.48	5.15	1.70
3/4"	0.81	3.00	6.00	3.48	5.15	1.70
1"	0.81	3.25	6.50	3.66	5.15	1.88
1-1/2"	1.17	3.75	7.50	4.22	5.94	2.01
2"	1.50	4.25	8.50	5.02	7.87	2.50
3"	2.25	5.56	11.13	6.60	19.12	2.93
4"	3.00	6.00	12.00	8.07	19.50	3.32
6"***	4.50	7.94	15.88	10.59	36.00	4.97
8"***	6.00	10.25	20.50	14.39	47.00	6.51

* Available in Schedule 10, 40 and 80 where appropriate.

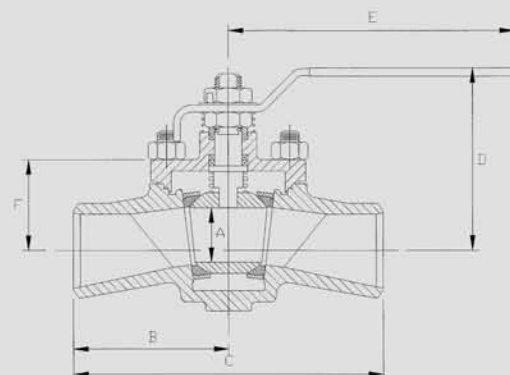
** Gear Operator or Actuation Recommended.

ANSI 600 Class Butt weld* Top Entry Valves

Size	A	B	C	D	E	F
1/2"	0.81	2.75	5.50	4.93	8.50	1.92
3/4"	0.81	3.75	7.50	5.17	8.50	2.16
1"	0.81	4.25	8.50	5.23	8.50	2.22
1 1/2"	1.17	4.75	9.50	6.07	12.50	2.38
2"	1.50	5.75	11.50	7.09	14.75	3.00
3"	2.25	7.00	14.00	8.84	19.50	NA
4" **	3.00	8.50	17.00	10.33	36.00	NA
6" **	4.50	11.00	22.00	NA	NA	NA

* Available in Schedule 40 and 80 where appropriate.

** Gear Operator or Actuation Recommended.



Top Entry Valves

How To Specify Apollo Top Entry Ball Valves

0 0 - 0 0 0 - 0 0

BODY MATERIAL

A - Alloy 20
B - CF3M SS
(Flanged)
C - Carbon Steel
F - Inconel
H - Hastelloy C
M - M35-1
N - Nickel
S - 316 SS
T - Titanium

TRIM MATERIAL

A - Alloy 20
B - 316L SS
D - Hastelloy C Stem M35-1
Ball
E - 410 SS
F - Inconel
H - Hastelloy C
M - M35-1 (Monel)
N - Nickel
S - 316 SS
T - Titanium

END CONFIGURATION AND PRESSURE CLASS

B - 150# Flanged
C - 300# Flanged
D - 300# NPT
E - 150# FP Flange
F - 300# FP Flange
G - 300# NPT x Soc. Weld
H - 600# NPT
J - 600# Socket Weld
K - 600# Flanged
L - 300# FP NPT
M - 300# FP Soc. Weld
N - 300# Socket Weld
P - 300# Butt weld
Q - 600# NPT x Soc. Weld
R - 300# FLG x Butt weld
S - 300# RTJ Flanges
T - 600# FP Socket Weld
U - 600# FP Flange
W - 600# Butt weld
Y - 300# FP NPT x Socket Weld
3 - 300# FP Butt weld
4 - 600# FP NPT
6 - 600# FP NPT x Socket Weld
7 - 600# FP Butt weld
9 - 900# Flange

SEAT (FIGURES ON PAGE 15)

1 - TFE (Figure 1)
2 - RTFE (Figure 1)
3 - RTFE Seat (Figure 2)
4 - Carbon Graphite -750°F max.
(Figure 1)
5 - 55% Bronze, 5% Moly, (Figure 2)
6 - UHMWPE (Figure 2)
7 - API-607 Certified (TFE Seat, TFE
O-ring, Grafoil® Seal & Pkgs.)
8 - PEEK (Figure 2)
9 - Ceramic
A - API-607 Certified (RTFE Seat,
TFE O-ring, Grafoil® Seal &
Pkgs.)
B - 30% Carbon Reinforced PEEK
(Figure 2)
C - PFA (Figure 2)
D - SRTFE, 60% SS, 40% TFE by
weight (50% SS Min) (Figure 2)
F - CRTFE (Figure 1)
G - PCTFE (Figure 1)
H - High Temp Graphite-1000°F max.
(Figure 1)
K - Stellite Ball & Seats (Figure 4)
M - Malcomized 316 SS Ball & Seats
(Figure 4)
U - UHMWPE (Figure 1)

SIZE

3 - 1/2"
4 - 3/4"
5 - 1"
7 - 1-1/2"
8 - 2"
0 - 3"
A - 4"
C - 6"
E - 8"
G - 10"
H - 12"

OPTIONAL FEATURES

AR - Actuator Ready
BO - Grafoil® Seals & Packings
BN - TFE Spiralwound Bonnet Gasket
BS - Grafoil® Spiral Wound Bonnet
Gasket & Grafoil® Packings
CH - Clamp-On Steam Jacket - Stainless
Steel
CJ - Clamp-On Steam Jacket - Carbon Steel
CL - Cam-Lock Handle
EB - Extended Bonnet
EO - Round Handle
FC - Live Loaded Fugitive Emission w/
Double RPTFE Chevron Packings
FG - Fugitive Emission Bonnet with EVSP®
9000 Graphite Stem Packing
FL - Fugitive Emission Bonnet with Double
RPTFE Stem Packing

FO - Full Jacketed w/Oversize Flanges
FP - Live Loaded Fugitive Emission w/Double
EVSP Packings
GO - 2 1/4" Stem Extension
HH - Vented Body
HO - Vented Body & Cleaned for
Chlorine Service
HP - Vented Body & Cleaned for Hydrogen
Peroxide Service
* MG - Gear Operator
MT - 2 Position Lock Plate
for Standard Bonnet
MU - 2 Position Lock Plate for Extended
Bonnet
NC - NACE Certified Trim
OL - Oval Locking Handle
OO - RPTFE Seals & Packings

OM - RPTFE Bonnet Gasket & UHMWPE
Packings
PJ - Partial Steam Jacket
PO - Cleaned for Oxygen Service
PP - Cleaned for Industrial Gases
RS - Welded Ball Stop with Safety Cap
TP - Two Position Sliding Latch Lock Lever
ZO - PTFE Seals & Packings

NOTE: Optional Features may be used alone or in
combination (simply added in alphabetical
order), however not all combinations are
available on all valves. This is a very
limited list of the available options.
Contact the factory for specific
requirements and availability.

* MG Is Generic for Gear Operators. Contact Factory
or Price Book for Specific Application and Part No.

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