## NPT Valve Dimensions

### ANSI 300 Class NPT Top Entry Valves

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
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<tr>
<td>1/2&quot;</td>
<td>0.81</td>
<td>2.15</td>
<td>4.29</td>
<td>3.48</td>
<td>5.15</td>
<td>1.70</td>
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<tr>
<td>3/4&quot;</td>
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<td>1.96</td>
<td>3.91</td>
<td>3.48</td>
<td>5.15</td>
<td>1.70</td>
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<td>1&quot;</td>
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### ANSI 600 Class NPT Top Entry Valves

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<th>E</th>
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Top Entry Valves

How To Specify Apollo Top Entry Ball Valves

BODY MATERIAL

A - Alloy 20
B - CF3M SS
(Clanged)
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# Buttweld
Q - 600# NPT x Soc. Weld
R - 300# FLG x Buttweld
S - 300# RTJ Flanges
T - 600# FP Socket Weld
U - 600# FP Flange
W - 600# Buttweld
Y - 300# FP NPT x Socket Weld
Z - 300# FP Buttweld
4 - 600# FP NPT
6 - 600# FP NPT x Socket Weld
7 - 600# FP Buttweld
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)
E - CRTFE (Figure 1)
F - CPTFE (Figure 1)
H - High Temp Graphite-1000°F max. (Figure 1)
K - Stellite Ball & Seats (Figure 4)
M - Malcommed 316 SS Ball & Seats (Figure 4)
U - UHMWPE (Figure 1)

OPTIONAL FEATURES

AR - Actuator Ready
BO - Grafoil® Seals & Packings
BN - TFE Spiralwound Bonnet Gasket
BS - Grafoil® Spiral Wound Bonnet & 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 w/EVSP® 9000 Graphite Stem Packings
FL - Fugitive Emission Bonnet w/ Double RPTFE Stem Packings
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 & Cleared for Chlorine Service
HP - Vented Body & Cleared 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
P - Partial Steam Jacket
PO - Cleared for Oxygen Service
PP - Cleared 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 Operations. Contact Factory or Price Book for Specific Application and Part No.

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