

# Apollo® Top Entry Valves Numbering System

PLEASE USE ALL DIGITS WHEN ORDERING.

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BODY MATERIAL		END CONFIGURATION AND PRESSURE		SEAT		SIZE	
A	ALLOY 20	B	150# FLANGED	1	TFE (FIGURE I SEAT)	3	1/2"
B	CF3M SS (Fig. Only)	C	300# FLANGED	2	RTFE (FIGURE I SEAT)	4	3/4"
C	CARBON STEEL	D	300# NPT	3	RTFE (FIGURE II SEAT)	5	1"
F	INCONEL	E	150# FLANGED FULL PORT	4	CARBON GRAPHITE (FIGURE I SEAT)	7	1-1/2"
H	HASTELLOY C	F	300# FLANGED FULL PORT	5	55% BRONZE, 5% MOLY (FIGURE II SEAT)	8	2"
L	CARBON STL. A352-LLC	G	300# NPT x SOC. WELD	6	UHMWPE (FIGURE II SEAT)	0	3"
M	M35-1	H	600# NPT	7	API - 607 CERTIFIED (FIG. III) (TFE SEAT, TFE O-RING, GRAFOIL SEAL & PKGS)	A	4"
N	NICKEL	J	600# SOC. WELD	8	PEEK (FIGURE II SEAT)	C	6"
S	316 SS	K	600# FLANGED	9	CERAMIC (FIGURE IV SEAT)	E	8"
T	TITANIUM	L	300# NPT (FULL PORT)	A	API-607 CERTIFIED (FIG.III) (RTFE SEAT, TFE O-RING, GRAFOIL SEAL & PKGS)	G	10"
Y	HASTELLOY B	M	300# SOC. WELD (FULL PORT)	B	30% CARBON REINFORCED PEEK (FIGURE II SEAT)	H	12"
		N	300# SOC. WELD	C	PFA (FIGURE II SEAT)		
		P	300# BUTTWELD	D	SRTFE (FIGURE II SEAT) 60% SS, 40% TFE By Weight		
		Q	600# NPT X SOC. WELD	F	CTRFE Carbon Filled TFE (figure I Seat)		
		R	300# FLG. X BUTTWELD	G	PCTFE (FIGURE 1)		
		T	600# SOC. WELD (FULL PORT)	H	HIGH TEMP GRAPHITE (FIGURE 1)		
		U	600# FLANGED FULL PORT	T	MULTISEAL TEFLON® (FIGURE 1)		
		W	600# BUTTWELD	U	UHMWPE (FIGURE I SEAT)		
		S	300# RTJ FLANGE				
		Y	300# FP NPT X SW				
		3	300# FP BUTTWELD				
		4	600# FP NPT				
		6	600# FP NPT X SW				
		7	600# FP BUTTWELD				
		8	1500# FP FLANGE				
		9	900# FLANGE				

ADDITIONAL FEATURES	
AJ	ALUMINUM BOLT-ON CONTRO HEAT JACKET
AR	ACTUATOR READY
BB	TITANIUM AND GRAPHITE SPIRALWOUND BONNET GASKET
BN	TFE SPIRALWOUND BONNET GASKET
BO	GRAPHITE BONNET GASKET & PACKINGS
BR	GRAPHITE PACKINGS, RTFE BONNET GASKET
BS	GRAPHITE SPIRALWOUND BONNET GASKET
CB	CERAMIC BALL ONLY
CL	CAM LOCK
DM	DEAD MAN HANDLE
EB	EXTENDED BONNET
EO	ROUND HANDLE
FC	FUGITIVE EMISSION BONNET WITH RTFE CHEVRON PACKINGS, PEEK BEARING, AND PACKING GLAND, (LIVE LOADED STEM PACKING SYSTEM)
FG	FUGITIVE EMISSION BONNET WITH EVSP® 9000 GRAPHITE STEM PACKING
FJ	FULL STEAM JACKETED TOP ENTRY VALVE (NPT, SOCKET WELD, OR BUTTWELD)
FL	FUGITIVE EMISSION BONNET WITH RTFE CHEVRON PACKINGS, PEEK BEARING, AND PACKING GLAND
FO	FULL STEAM JACKETED TEV, THREADED FEMALE CONNECTIONS, OVERSIZE FLANGES AND EXTENDED BONNET
FP	FUGITIVE EMISSION BONNET WITH EVSP 9000 GRAPHITE STEM PACKING (LIVE LOADED STEM PACKING SYSTEM)
FS	FULL STEAM JACKETED TEV, THREADED FEMALE CONNECTIONS, STANDARD FLANGES
GO	2-1/4" STEM EXTENSION
HH	VENTED BODY
HO	VENTED & CLEANED FOR CHLORINE SERV.
HP	VENTED & CLEANED FOR HYDROGEN PEROXIDE SERVICE
MG	GEAR OPERATOR, STD. HANDWHEEL
MH	GEAR OPERATOR, STD. HANDWHEEL AND LOCKOUT DEVICE
MJ	GEAR OPERATOR, OVERSIZE HANDWHEEL
MK	GEAR OPERATOR, OVERSIZE HANDWHEEL AND LOCKOUT DEVICE
MT	TWO POS. LOCK PLATE FOR STD. BONNET
MU	TWO POS. LOCK PLATE FOR EXT. BONNET
NC	NACE CERTIFIED TRIM
OO	RTFE BONNET GASKET & PACKINGS
PJ	PARTIAL STEAM JACKET
PO	CLEANED FOR OXYGEN SERVICE
PP	CLEANED FOR INDUSTRIAL GASES
TP	TWO POSITION SLIDING LATCH LOCK
VC	VACUUM PREPARATION
XO	DRAIN
ZO	TFE BONNET GASKET AND PACKINGS
OL	OVAL LATCHLOCK HANDLE
RS	WELDED BALL STOP WITH SAFETY CAP
NP	NO PORT ON FUG. EMISSION BONNET

NOTE: NOT ALL OPTIONS LISTED ARE COMPATIBLE OR AVAILABLE. CONSULT FACTORY FOR AVAILABILITY OF UNLISTED OPTIONS.

# Top Entry Ball Valves

## Apollo® Top Entry Valves Seat Selection

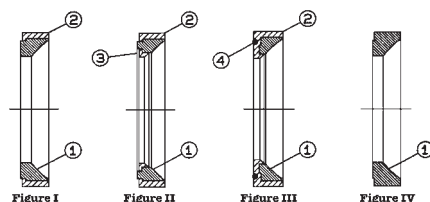
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**THE FOLLOWING BODY MATERIALS WILL DESIGNATE THE SEAT HOLDER AND INNER RING MATERIAL BY DEFAULT IN THE FOLLOWING MANNER**

	Alloy 20	Hastelloy	M35-1	Nickel	Stainless	Titanium	Carbon Steel
②	ASTM B473	ASTM B574	ASTM B164	ASTM B162	ASTM A276	ASTM B348	ASTM A276
	Cb-3	Grade C276	Alloy K500	Alloy 200	Type 316	Grade 4-5	Type 316
③	ASTM B473	ASTM B574	ASTM B164	ASTM B162	ASTM A276	ASTM B348	ASTM A276
	Cb-3	Grade C276	Alloy K500	Alloy 200	Type 316	Grade 4-5	Type 316

Seat Desig.	①	④	Figure	Standard Default For Bonnet Gasket & Stem Packings	Class	Default Suffix
1	TFE	—	I	TFE	All	Z01
2	RTFE	—	I	RTFE	All	001
				Graphite	150-300	B01
3	RTFE	—	II	Graphite & Spiralwound Gasket	600	BS1
				Graphite	150-300	B01
4	Carbon Graphite	—	I	Graphite & Spiralwound Gasket	600	BS1
				Graphite	150-300	B01
5	55% Bronze, 5% Moly	—	II	Graphite & Spiralwound Gasket	600	BS1
				Graphite	150-300	B01
6	UHMWPE	—	II	Graphite & Spiralwound	600	BS1
7	API-607 TFE Seat	TFE O-Ring	III	Graphite	All	B01
8	PEEK	—	II	Graphite	150-300	B01
				Graphite & Spiralwound Gasket	600	BS1
9	CERAMIC	—	IV	Graphite	150-300	B01
				Graphite & Spiralwound	600	BS1
A	API-607 RTFE Seat	TFE O-Ring	III	Graphite	All	B01
B	Carbon Reinforced PEEK	—	II	Graphite	150-300	B01
				Graphite & Spiralwound Gasket	600	BS1
C	PFA	—	II	Graphite	150-300	B01
				Graphite & Spiralwound Gasket	600	BS1
D	SRTFE - 60% SS, 40% TFE By Weight	—	II	Graphite	150-300	B01
				Graphite & Spiralwound Gasket	600	BS1
U	UHMWPE	—	I	Graphite	150-300	B01
				Graphite & Spiralwound Gasket	600	BS1
F	CRTFE-Carbon Filled TFE	—	I	Graphite	150-300	B01
				Graphite & Spiralwound Gasket	600	BS1
G	PCTFE	—	I	RTFE	ALL	001
H	GRAPHITE (1000°F MAX.)	—	I	Graphite & Spiralwound Gasket	ALL	BS1
T	MULTISEAL	—	I	Graphite	150-300	B01
				Graphite & Spiralwound Gasket	600	BS1



NOTE: ALTERNATE BONNET GASKET AND STEM PACKING MATERIALS ARE AVAILABLE FOR SOME OF THE SEAT MATERIALS LISTED ABOVE