

# Manual Ball Valve Part Number Matrix

1 Firesafe Designation	
F	Firesafe Tested

  

2 Valve Series	
10	1pc. Reduced Port 2000#
20	2pc. Full Port 2000#
21	2pc. Reduced Port 1000#
22	2pc. Direct Mount 1000/800# Full Port
24	2pc. 3000#
30	3-Way Flanged Full Port
33	3,4,5-Way Full Port, Multiport
38	3-Way Threaded Reduced Port
55	3pc. 1000# Full Port
77	3pc. 1000# Full Port Sanitary
83	3pc. 2000/1500# Full Port
8R	3pc. 2000/1500# Regular Port
88	3pc. Direct Mount 2000/1500# Full Port
R8	3pc. Direct Mount 2000/1500# Reduced Port
90	2pc. Flanged Full Port (Investment Cast)
91	Unibody Reduced Port Flange
93	2pc. Flanged Full Port (Sand Cast)
V8	3pc. V Port
V9	Flanged V Ports
D9	Direct Mount Flanged
LB	2pc. Fully Lined Ball Valve
T5	Tank Bottom 3 piece
MU	Metal Seat Unidirectional Shutoff, Floating Ball
MB	Metal Seat Bidirectional Shutoff, Floating Ball
MX	Metal Seat 3pc Bidirectional, Floating Ball
TS	Trunnion Soft Seat
MT	Trunnion Metal Seat
M3	3-way Metal Seat
VS	Segment, V-Port, Soft
VM	Segment V-Port, Metal
WB	Well Head Block and Bleed
C8	Cryogenic 3 Piece Full Port
CR	Cryogenic 3 Piece Regular Port

3 Body Material	
Blank	No Designation=Stainless Steel Body and Trim
A	Alloy 20
C	Carbon Steel Body
L	Low Carbon 316 Stainless Steel
H	Carbon Body /Hastelloy Ball & Stem
Q	Carbon Steel Body/Monel Ball & Stem
R	316 SST Body/Monel Ball & Stem
E	Electropolished Stainless Steel
Z	Epoxy Coated Carbon Steel
7	CG8M 317 SST
D	CD3MN Duplex SS
5	LCB
8	LCC
6	WC6
9	WC9

4 End Connection	
TH	Threaded Ends
SW	Socket Weld Ends
BW	Buttweld Ends
EW	Extended Butt Weld Ends
F1	150# Flanged Ends
F3	300# Flanged Ends
F6	600# Flanged Ends
FR	600# RTJ Flanged Ends
SA	Sanitary Ends
SF	Sanitary w/Cavity Filler
DF	Tube O.D. w/Cavity Filler
DA	Tube O.D. Ends
TE	Threaded x Extended Butt Weld
TS	Threaded x Socket Weld
QQ	Tube Socket Weld
W1	150# Wafer
W3	300# Wafer
W6	600# Wafer

  

5 Valve Size			
0025	1/4"	0250	2-1/2"
0038	3/8"	0300	3"
0050	1/2"	0400	4"
0075	3/4"	0600	6"
0100	1"	0800	8"
0125	1-1/4"	1000	10"
0150	1-1/2"	1200	12"
0200	2"		

6 Seat, Lining & Trim Materials	
X	Reinforced TFE Seats
P	Virgin TFE
U	UHMWE Seats
D	Delrin
S	50% SS Powder/ 50% TFE Seats
C	15% CS Powder/ 85% TFE Seats
T	TFM-1600
L	PFA Lined
M	MG1241
Z	Peek
2	Tungsten Carbide Coated 316SS Seats & Ball
3	HCR Coated Ball/Stellite Inlay Seat
4	Chrome Carbide Coated 316SS Seats & Ball

7 Special Designations	
X	No Specials
G	Gear Operator
R	Reduced Port Valve
O	Oval Handle (available on some)
S	Spring Return Handle (Direct mount Only)

8 Additional Specials	
X	No Specials
O	Oxygen Cleaned
Z	Special End Configuration
V	Vented Ball
F	Fugitive Emissions Bonnet
D	Degrease & Bagged

9 Control Valve or Special Stem Designation	
3	30° V-Port (v-ball)
6	60° V-Port (v-ball)
9	90° V-Port (v-ball)
Blank	No Designation = 316 SST Stem
A	17-4PH Stem
B	XM-19 (Nitronic 50) Stem
C	Duplex 2205 Stem
D	Inconel 718 Stem

**How to Order Manual Valves**

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