

PART NUMBER MATRIX

AUTOMATED BALL VALVES

| JULY 2018

HOW TO ORDER

PART MATRIX

1 Firesafe Designation	
F	Firesafe Tested

2 Valve Series	
10	1pc. Regular Port 2000 WOG
20	2pc. Full Port 2000 WOG
21	2pc. Regular Port 1000 WOG
22	2pc. Direct Mount 1000/800 WOG, Full Port
24	2pc. 3000 WOG
30	3-Way Flanged Full Port
31	3-Way Flanged Direct Mount Full Port
33	3, 4, 5-Way Full Port, Multiport
38	3-Way NPT, Regular Port
55	3pc. 1000 WOG, Full Port
77	3pc. 1000 WOG, Full Port, Sanitary
83	3pc. 2000/1500 WOG, Full Port
8R	3pc. 2000/1500 WOG, Regular Port
88	3pc. Direct Mount 2000/1500 WOG, Full Port
R8	3pc. Direct Mount 2000/1500 WOG, Regular Port
90	2pc. Flanged Full Port (Investment Cast)
91	Unibody Regular Port Flanged
93	2pc. Flanged Full Port (Sand Cast)
V7	3pc. Sanitary, V-Port
V8	3pc. V-Port
V9	Flanged V-Port
D9	Direct Mount Flanged
T5	Tank Bottom 3pc.
C8	Cryogenic 3pc. Full Port
CR	Cryogenic 3pc. Regular Port
DR	3-Way Bottom Entry Diverter Valve
LB	PFA Lined Split Body Flanged Ball Valve
P1	Schedule 10 Piggable Valve
VS	Segment V-Port, Soft
VM	Segment V-Port, Metal Graphite Packing
VV	Segment V-Port, Metal Viton® Packing

3 Body Material	
Blank	No Designation=SST Body and Trim
A	Alloy 20
C	Carbon Steel Body
L	Low Carbon 316 Stainless Steel
J	Low Carbon 304 Stainless Steel
H	Carbon Body /Hastelloy Ball & Stem
Q	Carbon Steel Body/Monel Ball & Stem
R	316 SST Body/Monel Ball & Stem
T	Hastelloy C-276 Body & Trim
E	Electropolished Stainless Steel
Z	Epoxy Coated Carbon Steel
D	CD3MN Duplex SST
G	CE3MN Super Duplex SST
4	F316H Forged
5	LCB
8	LCC
6	WC6
9	WC9

4 End Connection	
T	NPT Ends
S	Socket Weld Ends
B	Butt Weld Ends
E	Extended Butt Weld Ends
F	150# Flanged Ends
3	300# Flanged Ends
6	600# Flanged Ends
R	600# RTJ Flanged Ends
C	Sanitary Clamp Ends
D	Tube O.D. Ends
M	NPT x Socket Weld
Q	Tube Socket Weld

5 Seat, Lining & Trim Materials	
1	Valve Series Standard
X	Reinforced TFE Seats (RTFE)
P	Virgin TFE (PTFE)
U	UHMWPE Seats
D	Delrin®
S	50/50 STFE Seats
C	25% CS Powder/ 75% TFE Seats (CTFE)
T	TFM™-1600
F	TFE Cavity Filler
K	PCTFE (Cryogenic)
L	PFA Lined w/ PTFE Seats
M	MG1241
Z	PEEK
2	Tungsten Carbide Coated 316SST Seats & Ball
3	HCr Coated Ball/Stellite® Inlay Seats
4	Chrome Carbide Coated 316 SST Seats & Ball
8	Inconel® 718+CrC

6 Valve Size			
025	1/4"	250	2-1/2"
038	3/8"	300	3"
050	1/2"	400	4"
075	3/4"	600	6"
100	1"	800	8"
125	1-1/4"	AAA	10"
150	1-1/2"	BBB	12"
200	2"		

7 Actuators - Pneumatic (Double Acting)			
TRYD	TR10 DA	2R7D	2R500 DA
TR1D	TR20 DA	2R8D	2R850 DA
2R2D	2R40 DA	2R9D	2R1200 DA
2R3D	2R80 DA	2R0D	2R1750 DA
2R4D	2R130 DA	2RAD	2R2500 DA
2R5D	2R200 DA	2RBD	2R3500 DA
2R6D	2R300 DA		

7 Actuators - Pneumatic (Spring Return)			
TR1S	TR20 SR	2R7S	2R500 SR
2R2S	2R40 SR	2R8S	2R850 SR
2R3S	2R80 SR	2R9S	2R1200 SR
2R4S	2R130 SR	2R0S	2R1750 SR
2R5S	2R200 SR	2RAS	2R2500 SR
2R6S	2R300 SR	2RBS	2R3500 SR

7 Actuator - Electric (On-Off)			
WEX1	WE-350	WEG1	WE-5200
WEA1	WE-500	WEH1	WE-6900
WEB1	WE-690	WEJ1	WE-10500
WEC1	WE-1350	WEK1	WE-17500
WED1	WE-1700	WEL1	WE-25900
WEE1	WE-2640	WEM1	WE-53000
WEF1	WE-4400	WEN1	WE-80000

7 Actuator - Electric (Modulating)			
WEA2	WEM-500	WEH2	WEM-6900
WEB2	WEM-690	WEJ2	WEM-10500
WEC2	WEM-1350	WEK2	WEM-17500
WED2	WEM-1700	WEL2	WEM-25900
WEE2	WEM-2640	WEM2	WEM-53000
WEF2	WEM-4400	WEN2	WEM-80000
WEG2	WEM-5200		

7 Actuator - Pneumatic Stainless (DA)			
S21D	S2-052DA	S25D	S2-125DA
S22D	S2-063DA	S26D	S2-140DA
S23D	S2-083DA	S27D	S2-160DA
S24D	S2-105DA	S28D	S2-210DA

7 Actuator - Pneumatic Stainless (SR)			
S21S	S2-052SR	S25S	S2-125SR
S22S	S2-063SR	S26S	S2-140SR
S23S	S2-083SR	S27S	S2-160SR
S24S	S2-105SR	S28S	S2-210SR

8 Accessories/Options	
X	No Specials
A	TYPE 4 Solenoid 120VAC
B	TYPE 7 Solenoid 120VAC
C	Intrinsically Safe Solenoid
D	TYPE 4 Solenoid 24VDC
F	TYPE 7 Solenoid 24VDC
Q	TYPE 4 SST Solenoid 120VAC
M	TYPE 7 SST Solenoid 120 VAC
L	TYPE 4 SST Solenoid 24VDC
N	TYPE 7 SST Solenoid 24VDC
P	Pneumatic Positioner
E	Electro-Pneumatic Positioner
R	24VDC Electric Actuator
S	220VAC Electric Actuator
T	Other Voltage Electric Actuator
W	12VDC Electric Actuator
Y	24VAC Electric Actuator
2	2 Position, 180° control for Wine Industry
3	3 Position, 180° control for Wine Industry
Blank	*No voltage specified on electric assemblies denotes 120VAC

9 Accessories	
X	No Specials
A	TYPE 4 Limit Switch
B	TYPE 7 Limit Switch
C	Intrinsically Safe Limit Switch
Q	TYPE 4 SST Limit Switch
M	TYPE 7 SST Limit Switch
Z	180° Operation
1	HS1 High Speed Electric
2	HS2 High Speed Electric

10 Special 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	17-4 PH® Stem
B	XM-19 (Nitronic 50) Stem
C	Duplex 2205 Stem
D	Inconel® 718 Stem
L	L-Port 3-Way arrangement
T	T-Port 3-Way arrangement

HOW TO ORDER AUTOMATED VALVES

1	2	3	-	4	5	-	6	/	7	-	8	9	-	10
↓	↓	↓		↓	↓		↓	↓			↓	↓		↓
F	88	C	-	T	X	-	025	/	2R2D	-	X	X		