Automated 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
LD	Fully Lined Diaphram Valve
T5	Tank Bottom 3 pc.

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

4 End Connection

T	Threaded Ends
S	Socket Weld Ends
B	Buttweld 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 Ends *Sanitary refers to clamp style ends
D	Tube O.D.Ends
M	Threaded x Socket Weld
Q	Tube Socket Weld

5 Seat, Lining & Trim Materials

1	Valve Series Standard
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
M	MG1241
Z	Peek
F	TFE Cavity Filler
2	Tungsten Carbide Coated 316SS Seats & Ball
4	Chrome Carbide Coated 316SS Seats & Ball
L	PFA Lined

6 Valve Size

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

7 Actuator-Pneumatic (DA)

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

7 Actuator-Pneumatic (SR)

TR1S	TR20 Spring Return
2R2S	2R40 Spring Return
2R3S	2R80 Spring Return
2R4S	2R130 Spring Return
2R5S	2R200 Spring Return
2R6S	2R300 Spring Return
2R7S	2R500 Spring Return
2R8S	2R850 Spring Return
2R9S	2R1200 Spring Return
2R0S	2R1750 Spring Return
2RAS	2R2500 Spring Return
2RBS	2R3500 Spring Return

7 Actuator-Electric (On-Off)

WEA1	WE-500
WEB1	WE-690
WEC1	WE-1350
WED1	WE-1700
WEE1	WE-2640
WEF1	WE-4400
WEG1	WE-5200
WEH1	WE-6900
WEJ1	WE-10500
WEK1	WE-17500
WEL1	WE-25900

7 (cont) Actuator- Electric (Modulating)

WEA2	WEM-500
WEB2	WEM-690
WEC2	WEM-1350
WED2	WEM-1700
WEE2	WEM-2640
WEF2	WEM-4400
WEG2	WEM-5200
WEH2	WEM-6900
WEJ2	WEM-10500
WEK2	WEM-17500
WEL2	WEM-25900

7 Actuator - Pneumatic Stainless (DA)

SS1D	SS45DA Double Acting
SS2D	SS60DA Double Acting
SS3D	SS85DA Double Acting
SS4D	SS105DA Double Acting
SS5D	SS125DA Double Acting
SS6D	SS140DA Double Acting
SS7D	SS160DA Double Acting

7 Actuator - Pneumatic Stainless (SR)

SS1S	SS45SR Spring Return
SS2S	SS60SR Spring Return
SS3S	SS85SR Spring Return
SS4S	SS105SR Spring Return
SS5S	SS125SR Spring Return
SS6S	SS140SR Spring Return
SS7S	SS160SR Spring Return

8 Accessories/Options

X	No Specials
A	NEMA 4 Solenoid 120VAC
B	NEMA 7 Solenoid 120VAC
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
	*No voltage specified on electric assemblies denotes 120VAC
Q	Nema 4 SSSolenoid 120VAC
M	Nema 7 SS Limit Switch 120VAC

9 Accessories

X	No Specials
A	NEMA 4 Limit Switch
B	NEMA 7 Limit Switch
Z	180 degree Operation
Q	Nema 4 SS Limit Switch