

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
 T5 Tank Bottom 3 piece
 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

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

5 (cont.) Seat, Lining & Trim Materials

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"	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 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)

WEX1 WE-350
 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
 WEM1 WE-53000
 WEN1 WE-80000

7 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
 WEM1 WE-53000
 WEN1 WE-80000

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
 Blank *No Voltage specified on electric assemblies denotes 120VAC
 Q NEMA 4 SS Solenoid 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

How to Order Automated Valves

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