



Pneumatic Spring Return Automated Ball Valve Package

Series F90 150# Flanged Ball Valve

- Firesafe
- Full Port Valve
- ANSI Class 150#
- Available 1/2" – 4"
- 316SS or WCB Body
- 316SS Ball & Stem
- Belleville Washers
- Chevron Packing
- RTFE Seats Standard

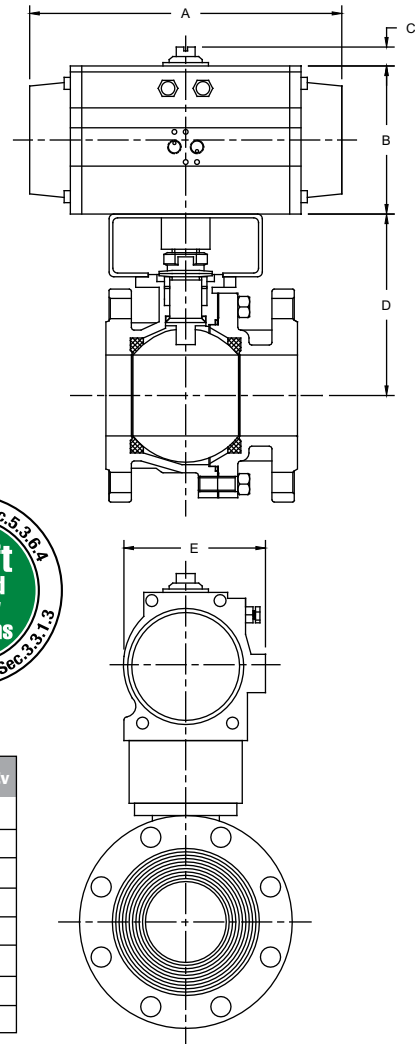
STANDARDS

Design	ANSI B16.34
Face to Face	ANSI B16.10
Flange Dimensions	ANSI B16.5
Pipeline Valves	API 6D
Pressure Testing	API 598
Fire Testing	API-607 4th Edition, BS 5351
Mounting Pad	ISO 5211
Marking System for Valves	MSS SP-25
Material Certification	EN 10204
Quality Assurance	ISO 9001

API 607 - 4th Edition CERTIFIED



150# Flanged
Firesafe tested to API-607



DIMENSIONS (IN)

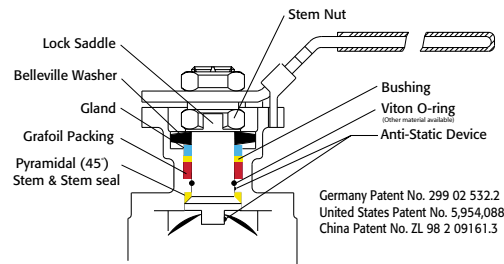
VALVE SIZE	A	B	C	D	E	VALVE Cv
1/2"	7.95	3.43	0.79	2.90	3.29	15
3/4"	7.95	3.43	0.79	3.20	3.29	45
1"	9.29	4.49	0.79	3.52	4.41	85
1-1/2"	9.29	4.49	0.79	5.05	4.41	275
2"	10.87	4.88	0.79	5.37	4.82	460
2-1/2"	13.90	6.18	0.79	5.80	6.04	700
3"	13.90	6.18	0.79	6.85	6.04	1100
4"	15.16	6.93	0.79	7.44	6.69	2200

DIMENSIONS SHOWN ARE FOR ASSEMBLIES SIZED FOR 80 PSI SUPPLY

SERIES F90 150# Flanged
Firesafe

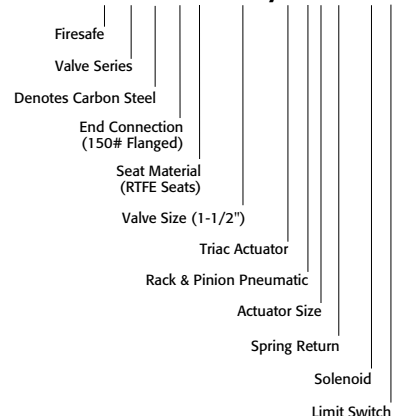
SIZED FOR 80 psi AIR SUPPLY	
SIZE	MODEL
1/2"	F90-F1-050/2R2S-XX
3/4"	F90-F1-075/2R2S-XX
1"	F90-F1-100/2R3S-XX
1-1/2"	F90-F1-150/2R3S-XX
2"	F90-F1-200/2R4S-XX
2-1/2"	F90-F1-250/2R6S-XX
3"	F90-F1-300/2R6S-XX
4"	F90-F1-400/2R7S-XX

SIZED FOR 60 psi AIR SUPPLY	
SIZE	MODEL
1/2"	F90-F1-050/2R2S-XX
3/4"	F90-F1-075/2R3S-XX
1"	F90-F1-100/2R3S-XX
1-1/2"	F90-F1-150/2R4S-XX
2"	F90-F1-200/2R5S-XX
2-1/2"	F90-F1-250/2R6S-XX
3"	F90-F1-300/2R6S-XX
4"	F90-F1-400/2R7S-XX



Germany Patent No. 299 02 532.2
United States Patent No. 5,954,088
China Patent No. ZL 98 2 09161.3

SAMPLE PART # F90C-F1-150/2R3S-XX



OPTIONS

DESCRIPTION	PART NO. SUFFIX	DESCRIPTION	PART NO. SUFFIX
NEMA 4 Solenoid	(A)	NEMA 4 Limit Switch (2) spdt	(A)
NEMA 7 Solenoid	(B)	NEMA 7 Limit Switch (2) spdt	(B)

Other options available - call for details
Actuators are sized based on clean/clear fluid.

See valve part number matrix for complete part number and options.



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