



JOB NAME:	CONTRACTOR:
JOB LOCATION:	APPROVAL:
ENGINEER:	CONTRACTOR P.O.:
APPROVAL:	REPRESENTATIVE:

8P0080LF

**250N DIRECT MOUNT,
2-WAY BRASS, FULL PORT BALL VALVE
W/ DOUBLE ACTING ACTUATOR**

SIZES 1/4" TO 2"

8P0082LF

**250N DIRECT MOUNT,
2-WAY BRASS, FULL PORT BALL VALVE
W/ SPRING RETURN ACTUATOR**

SIZES 1/4" TO 2"

SPECIFICATIONS

The 8P0080LF/8P0082LF series feature the 250NLF Lead Free, forged brass, full port, ISO direct mount ball valve with a T.E.A. plated ball and stem. The 250NLF also features O-ring back energized seats for touch sealing both up and downstream. In addition, there is a double O-ring stem seal for high cyclic conditions. This series is a low torque design.

The Valbia pneumatic actuator comes with a hard-anodized aluminum body, and powder coated end caps. In addition, all Valbia pneumatic actuators are standardly furnished with elevated temperature seals to 302F. The patented side loaded limit stops never enter the piston chamber eliminating extra possible leak paths.

ACTUATOR FEATURES

- Hard anodized extruded aluminum body
- Concentric spring sets
- Die cast aluminum end caps
- Solid steel barstock pinion (not casting)
- 0°-90° rotation adjustment cam
- 0°-90° rotation adjustment bolts
- POM piston guides
- Minimum air pressure rating: 80 psi
- Maximum air pressure rating: 116 psi
- Working temperature: -4°F - 302°F
- No lubrication maintenance required for the entire actuator lifetime
- 100% factory tested

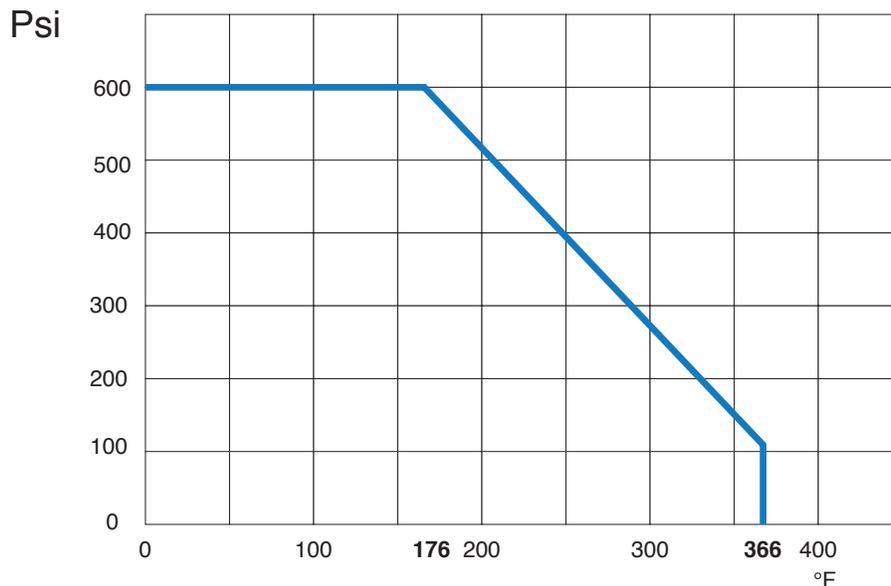
VALVE FEATURES

- Lead-Free Brass
- Full Port, Sizes 1/2" to 2"
- ISO 5211 pad and square stem
- Pressure rating to 600 WOG
- Temperature range -4°F to 366°F
- Low torque design with back up O-ring seats
- Double O-ring stem seal design for extended cycle life
- 100% electronically tested in the open and closed position @ 80 Psi
- NSF 61/372

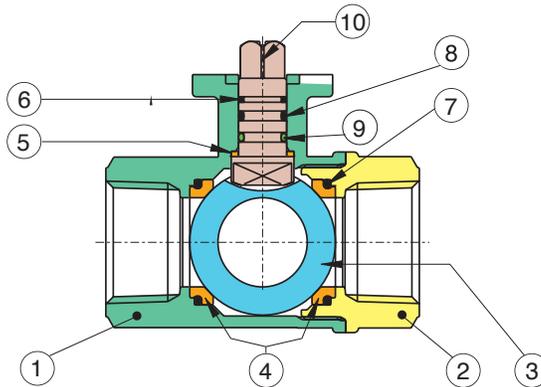


LEAD FREE
NSF/ANSI
61/372

PRESSURE - TEMPERATURE CHART FOR SERIES 250NLF

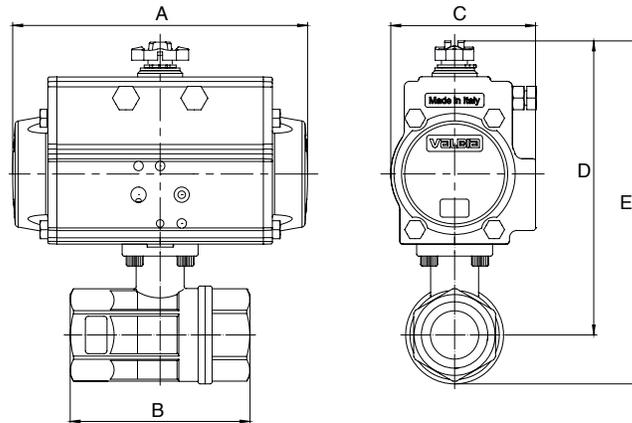


BILL OF MATERIALS FOR 250NLF



N POS	PART NAME	MATERIAL	N PCS
1	BODY	LF BRASS C28500	1
2	END CONNECTION	LF BRASS C28500	1
3	BALL	LF BRASS C28500	1
4	BALL SEAT	P.T.F.E.	2
5	THRUST WASHER	P.T.F.E.	1
6	STEM SEAL	P.T.F.E.	1
7	O-RING	FKM (Viton®)	2
8	O-RING	EPDM	1
9	O-RING	FKM (Viton®)	1
10	STEM	LF BRASS C28500	1

DIMENSIONS



8P0080LF

 250NLF W/ **DOUBLE ACTING** ACTUATOR

Size	A	B	C	D	E	ACT. DA
1/2"	4.33	2.64	1.77	3.86	4.53	32
3/4"	4.33	2.99	1.77	3.94	4.72	32
1"	4.33	3.35	1.77	4.37	5.31	32
1-1/4"	4.33	3.66	1.77	4.49	5.67	32
1-1/2"	5.51	4.13	2.80	6.54	7.99	52
2"	5.51	4.80	2.80	6.89	8.70	52

8P0082LF

 250NLF W/ **SPRING RETURN** ACTUATOR

Size	A	B	C	D	E	ACT. SR
1/2"	5.55	2.64	2.80	5.28	5.94	52
3/4"	5.55	2.99	2.80	5.35	6.14	52
1"	5.55	3.35	2.80	5.79	6.77	52
1-1/4"	5.55	3.66	2.80	5.94	7.09	52
1-1/2"	6.46	4.13	3.17	6.97	8.43	63
2"	6.46	4.80	3.17	7.32	9.13	63