

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

**8P0740H - 8P0742H - 8P0744H**  
(NPT) (SW) (BW)

**740H FULL PORT, HIGH PRESSURE DIRECT MOUNT 2-WAY, 3-PIECE STAINLESS STEEL WITH ENCAPSULATED BOLTS BALL VALVE IN NPT, SW OR BUTT WELD W/VALBIA DOUBLE ACTING PNEUMATIC ACTUATOR SIZES 1/4" TO 1"**

**8P0741H - 8P0743H - 8P0745H**  
(NPT) (SW) (BW)

**740H FULL PORT, HIGH PRESSURE DIRECT MOUNT 2-WAY, 3-PIECE STAINLESS STEEL WITH ENCAPSULATED BOLTS BALL VALVE IN NPT, SW OR BUTT WELD W/VALBIA SPRING RETURN PNEUMATIC ACTUATOR SIZES 1/4" TO 1"**

## SPECIFICATIONS

The 8P0740H/8P0742H/8P0744H/8P0741H/8P0743H/8P0745H pneumatic actuated packages feature a stainless steel high performance three-piece full port, encapsulated bolt style, to 3600 psi ball valves. The valve also incorporates an ISO 5211 direct mount pad with square stem. Further, the valve has high temperature PEEK seats, conforms to ANSI 16.34, ANSI B1.20.1 Thread depths, and NACE MRO 175. 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.

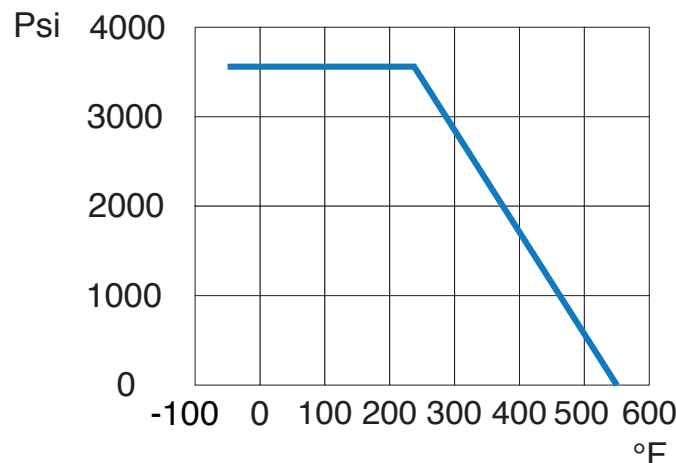
## ACTUATOR FEATURES

- 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

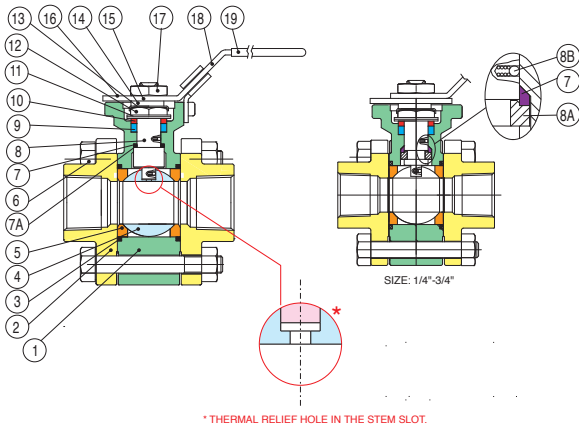
## VALVE FEATURES

- Sizes 1/4" to 1"
- High pressure to 3600 psi
- High temperature to 500°F max
- Direct mounting to ISO 5211/square stem
- PEEK seats
- Standard latch locking handle
- Conforms to ANSI B16.34, ANSI B1.20.1 thread depths, NACE MR0175

## PRESSURE - TEMPERATURE CHART FOR SERIES 740H/741H/742H



## BILL OF MATERIALS FOR 740H / 741H / 742H

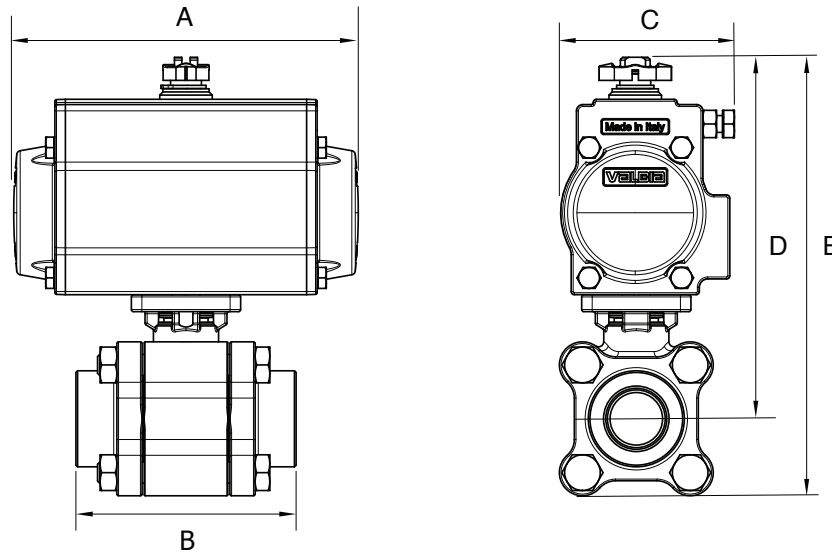


N POS	PART NAME	MATERIAL	N POS
1	BODY	CF8M	1
2	END CAP	CF8M	2
3	GASKET BODY	TFM	2
4	BALL	SS316	1
5	BALL SEATS	PEEK	2
6	BOLTS	SS304	*
7	THRUST WASHER	TFM	1
7A	THRUST WASHER	PEEK	1
8	STEM	SS316	1
8A	HALF SPLIT RING	SS316	1
8B	ANTI-STATIC	SS316	2

N POS	PART NAME	MATERIAL	N POS
9	STEM PACKING	TFM	1
10	GLAND WASHER	SS304	1
11	DISK WASHER	SS301	1
12	STEM NUT	SS304	1
13	NUT STOP	SS304	1
14	SPACE WASHER	SS304	1
15	PLATER	SS304	1
16	STOP IN	SS304	1
17	HANDLE NUT	SS304	1
18	HANDLE	SS304	1
19	HANDLE COVER	PLASTISOL	1

\*VARIES WITH SIZE

## DIMENSIONS



**8P0740 (NPT)**  
**8P0742 (SW)**  
**8P0744 (BW)**

740H with **DOUBLE ACTING** Actuator  
741H with **DOUBLE ACTING** Actuator  
742H with **DOUBLE ACTING** Actuator

**8P0741 (NPT)**  
**8P0743 (SW)**  
**8P0745 (BW)**

740H with **SPRING RETURN** Actuator  
741H with **SPRING RETURN** Actuator  
742H with **SPRING RETURN** Actuator

Size	A	B	C	D	E	ACT. DA
1/4"	5.55	2.61	1.77	5.81	6.62	52
3/8"	5.55	2.61	1.77	5.81	6.62	52
1/2"	5.55	2.76	1.77	5.89	6.74	52
3/4"	6.46	3.62	2.80	6.53	7.47	63
1"	6.46	4.13	2.80	6.77	7.81	63

Size	A	B	C	D	E	ACT. SR
1/4"	6.46	2.61	3.17	6.26	7.07	63
3/8"	6.46	2.61	3.17	6.26	7.07	63
1/2"	6.46	2.76	3.17	6.34	7.19	63
3/4"	9.47	3.62	4.17	7.79	8.73	85
1"	9.47	4.13	4.17	8.03	9.07	85