

BLADDER TYPE PULSATION DAMPENER

Specification No. HBX



TECHNICAL

Max. Working Pressure: See Data Below
Test Pressure: See Data Below
Nominal Capacities: 1.3, 2.5, 5, & 6.5 Gallon

DESIGN

Body: 316 stainless steel, constructed in three parts and joined with a special thread that under conditions of dynamic pressure tends to self-lock. Constructed in accordance with ASME Sec. VIII, Div. 1

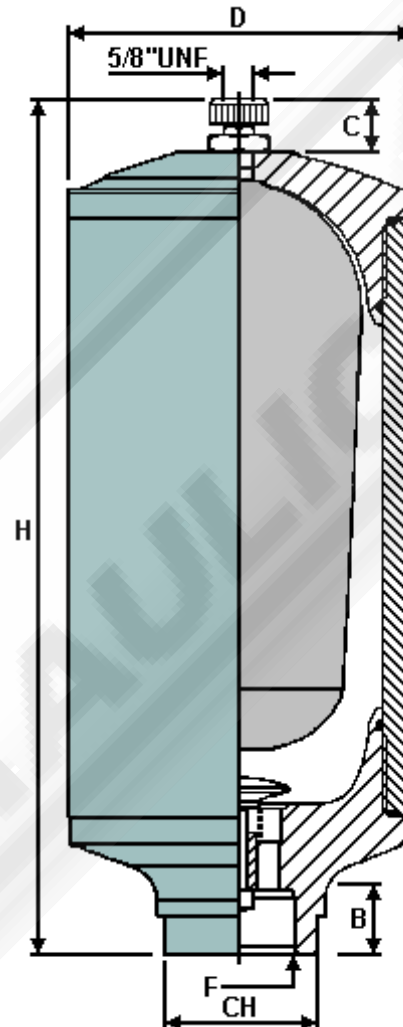
Bladders Available: Buna-N, Butyl, Nitrile, Vamac, Silicone, Hypalon, Polyurethane, EPDM, etc.

Installation: Mounted in vertical position with the gas valve on top.

Pressure Ratio: Recommended: $P_2:P_0 = 2.5:1$
 Maximum: $P_2:P_0 = 4:1$

* Note: the number of cycles is inversely proportional to the increase of the compression ratio.

For pulsation dampener applications the nitrogen precharge must be from 60% to 80% of the working pressure.



Part No.	Gas Volume cu. in. (Liters)	Max. W.P. PSI (bar)	Test Press. PSI (bar)	Weight lbs. (Kg.)	Max. Flow gpm (l/min)	Dimensions, inch (mm)					Hydraulic Ports F Size (Thread)
						H	D	CH	C	B	
HBX-1.3gal	305 (5)	3045 (20)	4567 (315)	55.1 (25)	47.5 (180)	31.50 (800)	4.92 (125)	2.56 (65)	1.38 (35)	2.36 (60)	1 1/4" NPT
HBX-2.5gal	610 (10)	3045 (210)	4567 (315)	108.0 (49)	97.7 (370)	29.13 (740)	7.09 (180)	3.15 (80)	1.38 (35)	2.36 (60)	2" NPT
HBX-5gal	1129 (18.5)	2175 (150)	3262 (225)	165.4 (75)	132.1 (500)	33.46 (850)	8.66 (220)	3.86 (98)	1.77 (45)	3.94 (100)	3" NPT
HBX-6.5gal	1520 (24.9)	2175 (150)	3262 (225)	198.4 (90)	145.3 (550)	39.76 (1010)	8.66 (220)	3.86 (98)	1.77 (45)	3.94 (100)	3" NPT

All dimensions subject to change without notice

Schrupp Industries, Inc.

100 River Avenue • P.O. Box 330 • Parker, PA 16049 • Phone 724-399-2938 • FAX 724-399-4263

Web Site: www.schrupp.com • E-mail: schrupp@schrupp.com