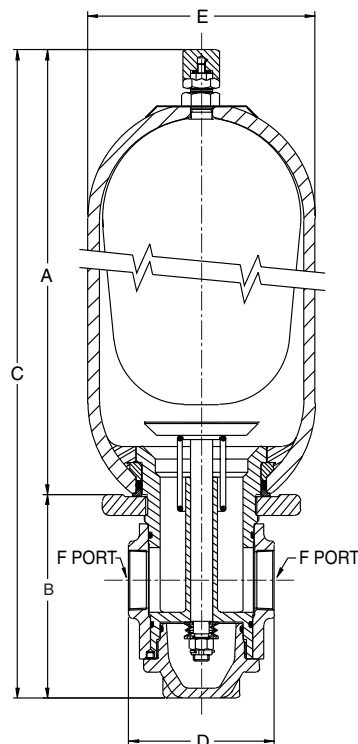


There have been many attempts to solve the problems caused by high transient flow conditions inherent with pulsations and shocks. All attempts have had one thing in common: they never quite solved the problem. Then came Greer's Pulse-Tone concept, a patented breakthrough in pulsation control. The trouble with the previous devices was that most of the pulsations and shocks never got near the shock absorber. Pulse-Tone puts a flow diversion baffle into the line. Fluid traveling through the hydraulic line bends around the baffle, but pulsation and shock energy waves take the path of least resistance right into the nitrogen precharged bladder. The bladder absorbs up to 98% of the waves' potentially destructive force.

Why Use Pulse-Tones?

- improves system efficiency
- absorbs hydraulic shocks
- very contamination tolerant
- very quick response
- works well with water, low lubricity fluids



Specifications

Maximum Operating Pressure - 3000 PSI (207 Bar)

Materials

- Shell – high strength alloy steel (SA372, 1 gallon & up comply with all ASME material specifications as std.)
- Ports – all oil service ports, high strength alloy steel
 - water and chemical service, 3000 PSI, 304 stainless steel

Poppet & Spring – 304 stainless steel

- Gas Valve Cartridge – steel
- Gas Valve Protector – steel
- Gas Valve Stem – steel
- Bladders – Various polymers, see Standard and Optional Bladders in Bladder Accumulators section.

Maximum Compression Ratio (max. working pressure/precharge pressure) 4-1

Pulse-Tone Flow Rates

Size (cu in)	Max. Recommended Flow	
	GPM	LPM
1 quart	28.0	106
1 gal.	38.0	145
2.5-15 gal.	190.0	720

Models, Capacities and Dimensions

Size	Bladder Material (Code)	Part No.	Repair Kit Part No.	Capacity	A	B	C	D	E	F	Weight
				cu in (liters)	in (mm)					Port (thread)	lbs. (kg.)
1 quart	Nitrile (-1)	834340	703040	60 (0.98)	7.38 (187)	3.03 (77)	12.16 (309)	2.00 (51)	4.50 (114)	1" NPTF	17 (7.7)
1 gal.	Nitrile (-1)	810381	703047	226 (3.70)	11.25 (286)	5.06 (129)	18.56 (471)	4.50 (114)	6.81 (173)	1½" NPTF	46 (21)
2-1/2 gal.	Nitrile (-1)	810829	703054	555 (9.10)	15.50 (394)	8.50 (216)	26.23 (666)	6.75 (171)	9.00 (229)	2" NPTF	125 (57)
5 gal.	Nitrile (-1)	800290	703061	1095 (17.9)	27.94 (710)	8.50 (216)	38.69 (983)	6.75 (171)	9.00 (229)	2" NPTF	155 (70)