

NOTE: Those pulsation dampener ought to be filed with gas at 90% of the working pressure. It shall be done at the working temperature. Can be done with compressed air if it is compatible with the liquid pumped. Use a tire inflating air tool. If need to be charged with N2, use our valve Ref. 004-AI (1/4"BSP) and our charging kit Ref. BVXXA1TM.

ATTENTION! ALWAYS MUST BE MOUNTED VERTICALLY (VALVE 3 ON TOP)

$$\text{Value of "K"} : \frac{\text{Maxi. Pressure}}{\text{Filling gas Pressure}} \leq K (\text{@Constant Temp.})$$

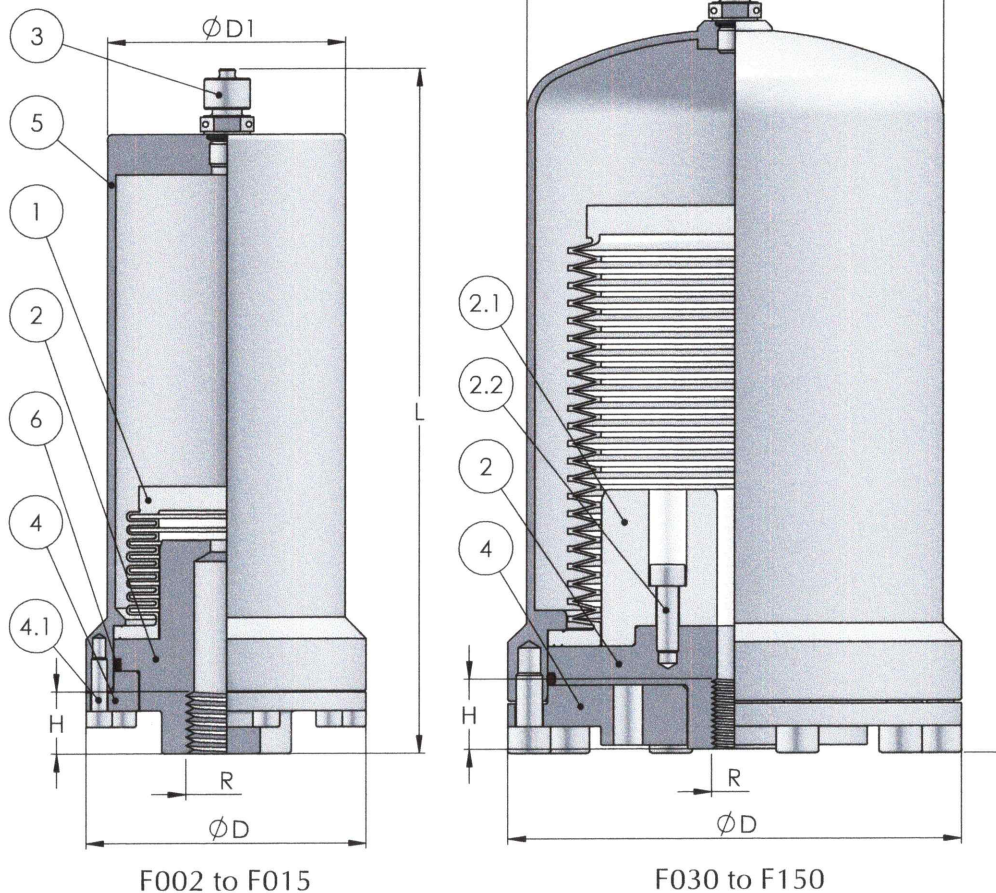
TOLERANCES: External dimentions: $\pm 3\%$ Volume: $\pm 2.5\%$ Weight: $\pm 5\%$

PROCHEM SERVICES

CORROSION RESISTANT FLUID HANDLING PRODUCTS

CONGLETON, CHESHIRE, CW12 2AD, U.K.

TEL.: +44 (0)1260 299770 www.prochem-services.com



F002 to F015

F030 to F150

Wall thickness acc. to EN14359 code
Hydrostatic test pressure @ 1.43 x Design pressure @ 20°C

FOR HIGHER PRESSURE, SIZES, MATERIALS AND THREADED CONNECTIONS, PLEASE CONSULT

PULSATION DAMPENER MODEL	MAX. ΔV ADMITED (c.c.)**	VOLUME (litres)	DESIGN PRESSURE (bar-g @ 50°C)	D (mm)	D1 (mm)	L (mm)	R (BSP)	H (mm)	WEIGHT (kg)	K VALUE
F002A09T1-AI	12	0.15	90	71	60	178	1/2"	18	1.4	1.2
F003A05T1-AI	20	0.30	50	84	64	234			2.2	
F007A06T1-AI	80	0.70	60	105	89	250	3/4"	24	4.1	1.6
F015A05T1-AI	450	1.50	50	130	114	254			6.6	
F030A04T1-AI	950	2.60	40	170	156	295	1"	25	10.6	1.8
F040A04T1-AI	1000	3.80				350			11.0	
F060A04T1-AI	850	5.60				475			12.3	
F100A03T1-AI	2400	10.00	30	250	206	441	2"	35	24.0	1.5
F150A03T1-AI	2900	15.00				610			26.0	

** $\Delta V \geq C/2$ for a single head pump ("C" = Head pump volume)
 $\Delta V \geq C/5$ for a duplex heads pump
 $\Delta V \geq C/12$ for a three heads pump

WORKING LIMITS TEMPERATURES(°C): -40 / + 200 °C

Working Temperatures Versus Working Pressures

For a temperature of 100°C correspond design pressure x 0.82
 " " " " 150°C " " " " x 0.75
 " " " " 200°C " " " " x 0.68

THE MAX. WORKING TEMPERATURE CAN BE REDUCED DEPENDING ON THE LIQUID IN CONTACT

Nº	ITEM	QT.	MATERIAL
1	BELLOWS	1	PTFE
2	NOZZLE	1	AISI 316L (and others available)
2.1	GUIDING NOZZLE	1	PTFE
2.2	BOLTS	3	DIN 912 A4-70
3	INFLATING N2 VALVE	1	AISI 316L (1/4" BSP)
4	RETAINING NUT	1	AISI 316L
4.1	BOLTS	7 to 10	DIN 912 A4-70
5	BODY	1	AISI 316L
6	SEAL GASKET	1	SILICONE