

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. BVXXXA1TM.

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

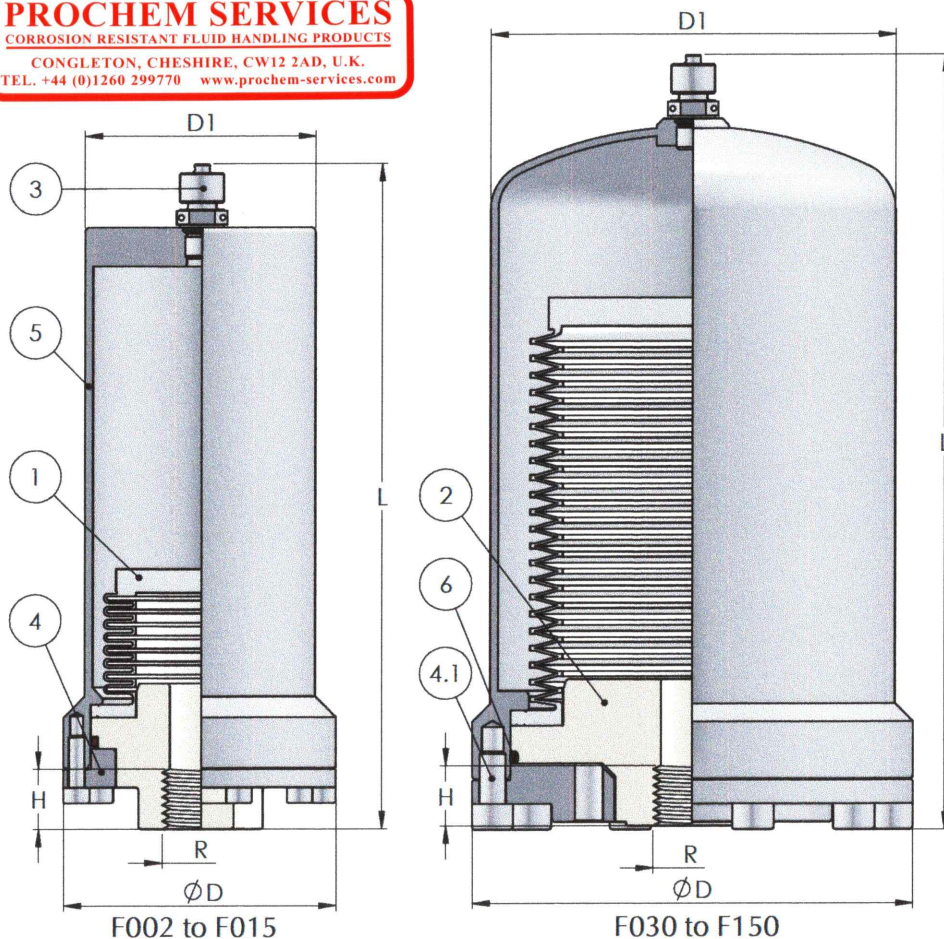
ATTENTION! ALWAYS MUST BE MOUNTED VERTICALLY (VALVE 3 ON TOP)

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.
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F002 to F015

F030 to F150

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

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

PULSATION DAMPENER MODEL	MAX. ΔV ADMITTED (c.c.)**	VOLUME (litres)	D (mm)	D1 (mm)	L (mm)	R (BSP)	H (mm)	WEIGHT (kg)	K VALUE
F002A02T1-AI/X	12	0.15	71	60	178	1/2"	16	1.4	1.2
F003A02T1-AI/X	20	0.30	84	64	234			2.2	
F007A02T1-AI/X	80	0.70	105	89	250			4.1	
F015A02T1-AI/X	450	1.50	130	114	254	3/4"	25	5.2	1.6
F030A02T1-AI/X	950	2.60	170	156	295			10.6	
F040A02T1-AI/X	1000	3.80			350			11.0	
F060A02T1-AI/X	850	5.60			475	1"	27	12.3	1.3
F100A02T1-AI/X	2400	10.00	250	206	441			24.0	
F150A02T1-AI/X	2900	15.00			610	2"	35	26.0	

REFERENCE CODE IDENTIFICATION

Connection wetted part X = TF (PTFE), PE (Polyethylene), PC (PVC) or PD (PVDF)

** $\Delta V \geq C/2$ 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

MAX. WORKING PRESSURE: 20 bar-g

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

WORKING LIMITS TEMPERATURES(°C):
(0° / +60°C for PVC)
(-15° / +70°C for PVDF & PE)
(-40° / +200°C for PTFE)

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

Nº	ITEM	QT.	MATERIAL
1	BELLOWS	1	PTFE
2	NOZZLE	1	PTFE, PE, PVC, PVDF
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