

Penmetsa

DIAPHRAGM ACCUMULATORS (THREADED TYPE)



Oil Air Techniques

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FEATURES

- Maximum working Pressure : 220 bar
- Test Pressure : Max. Working Pressure x 1.5
- Temperature range : -10 to +80°C
- Nominal Capacities : 0.1 - 10 Ltrs
- Shell : Carbon Steel (Standard)
ON Request : Nickel Coated or Stainless Steel
- Diaphragm : NBR (Standard)
ON Request : Butyl (B), Neoprene (N), Viton (V),
Ethylene-Propylene (E), Nitrile for - 40°C (F)
- Acceptance : Factory Testing

APPLICATIONS

- Energy Storage
- Pulsation Damper
- Volume Compensator
- Pressure Compensator
- Emergency Energy Reserve
- Counter Balance
- Hydraulic Line Shock Damper
- Shock Absorber
- Hydraulic Spring
- Fluid Separator

MODEL CODE FOR DIAPHRAGM ACCUMULATORS

DA 1.0 P 220 C G 0 -

Accumulator Type	Capacity Litres	Bladder Material	Max. Operating Pr.(bar)	Shell Material	Fluid Port Connection	Testing	Special
DA :Diaphragm Accumulator (Threaded type)	0.1	P : Buna Nitrile (Standard)	220	C : Alloyed Carbon Steel	G : Female BSP Thread	0 : Factory Testing	- = N/A SP:Special (To specify)
	0.3	B : Butyl		N : Nickel Coated Carbon Steel	M : Female Metric thread	1 : ASME Standard	
	0.5	N : Neoprene			R : With Adaptor (Specify the thread)	2 : TUV	
	0.7	E : Ethylene-Propylene			S : Special (on Request)	3 : Lloyds	
	1.0	H : Nitrile For Hydro -Carbons		X : Stainless Steel		4 : Special	
	1.5	V : Viton					
	2.0						
	2.5						
	4.0						
	5.0						
	10.0						

Fig - I

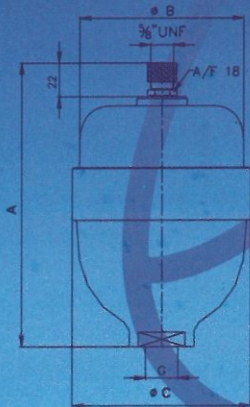


Fig - II

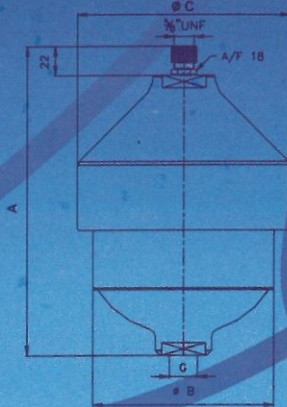


Fig - III

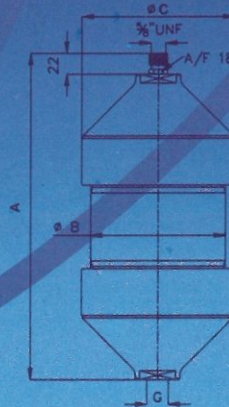
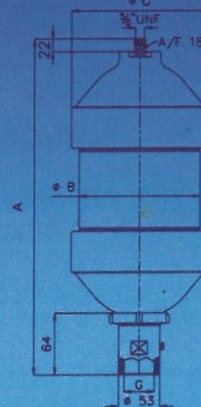


Fig - IV



ACCUMULATOR DIMENSIONS

TYPE	Fig	Max. Working Pressure Bar	Gas Volume (Liters)	Dimensions (MM)			Fluid Port Connection Standard (G)	Weight (Kg)
				A	Ø B	Ø C		
DA 0.1	I	220	0.1	127	70	77	3/8" BSP	1.7
DA 0.3	I	220	0.28	150	91	99	3/8" BSP	2.4
DA 0.5	II	220	0.45	183	90	116	1/2" BSP	3.8
DA 0.7	II	220	0.65	198	116	136	1/2" BSP	6
DA 1.0	III	220	1.0	259	120	136	1/2" BSP	9
DA 1.5	III	220	1.4	295	120	136	1/2" BSP	10.5
DA 2.0	III	220	1.9	364	120	136	1/2" BSP	12.5
DA 2.5	III	220	2.4	454	120	136	1/2" BSP	15
DA 4.0	III	220	3.8	361	174	198	3/4" BSP	24
DA 5.0	III	220	4.8	429	174	198	3/4" BSP	27
DA 10.0	IV	220	10.0	821	174	198	1 1/4" BSP	43