DIAPHRAGM ACCUMULATORS

Diaphragm Accumulators by Freudenberg Sealing Technologies are designed for industrial and mobile equipment applications that demand lightweight, high-strength performance. Diaphragm accumulators are used for a variety of applications including: energy storage, shock or pulsation dampening, leakage compensation, thermal expansion, energy conservation/supplement pump flow, noise reduction, and improved response time.

Our Diaphragm Accumulators are an integral part of a fluid energy control system for industrial and mobile hydraulic systems in agricultural and construction equipment, factory automation and robotics, machine tools, and power generation applications.

Thousands of diaphragm accumulators are available, stocked and ready to ship from Bamberg, South Carolina, to fulfill the needs of the NAFTA marketplace and improve product availability for many customers.

Freudenberg Sealing Technologies, through its subsidiaries in the Power & Vibration Control Division of Freudenberg Sealing Technologies, designs and produces accumulators with high-strength alloys and proprietary compounds for extreme duty, superior performance, reliability, and extended service life.

VALUES FOR THE CUSTOMER

- Low permeation
- Durable poppet valve
- Metal diaphragm clamping ring
- Extended maintenance intervals
- Wide temperature range
- Light weight
- A variety of models available, in stock and ready to ship

FREUDENBERG
SEALING TECHNOLOGIES

FREUDENBERG
INNOVATING TOGETHER

TECHNICAL DATA

Model Number	FST Type	Volume Liters	Elastomer	SAP#	Fluid Port	Maximum Allowable Working Pressure	Operational Temperature Range	Estimated Dry Weight
TD30-032NM9	0.32-210	0.32	Perbunan® NBR	49338275	SAE 8	3045 psi/210 bar	+14° to 176 °F	4.0 lbs
			ECO/Hydrin	49338276			-31° to 176 °F	
TD30-050NM9	0.50-210	0.50	Perbunan® NBR	49338277	SAE 8	3045 psi/210 bar	+14° to 176 °F	4.6 lbs
			ECO/Hydrin	49338278			-31° to 176 °F	
TD30-075NM9	0.75-210	0.75	Perbunan® NBR	49338291	SAE 8	3045 psi/210 bar	+14° to 176 °F	6.0 lbs
			ECO/Hydrin	49338292			-31° to 176 °F	
TD30-100NM9	1.0-210	1.00	Perbunan® NBR	49338355	SAE 8	3045 psi/210 bar	+14° to 176 °F	8.8 lbs
			ECO/Hydrin	49338363			-31° to 176 °F	
TD30-140NM9	1.4-210	1.40	Perbunan® NBR	49338258	SAE 8	3045 psi/210 bar	+14° to 176 °F	9.3 lbs
			ECO/Hydrin	49338259			-31° to 176 °F	
TD36-007NM8	0.07-250	0.07	Perbunan® NBR	49338273	SAE 6	3625 psi/250 bar	+14° to 176 °F	1.8 lbs
			ECO/Hydrin	49338274			-31° to 176 °F	
TD36-016NM8	0.16-250	0.16	Perbunan® NBR	49338271	SAE 6	3625 psi/250 bar	+14° to 176 °F	2.2 lbs
			ECO/Hydrin	49338272			-31° to 176 °F	
TD36-075NM9	0.75-250	0.75	Perbunan® NBR	49338290	SAE 8	3625 psi/250 bar	+14° to 176 °F	7.0 lbs
			ECO/Hydrin	49338279			-31° to 176 °F	
TD36-140NM9	1.4-250	1.40	Perbunan® NBR	49338340	SAE 8	3625 psi/250 bar	+14° to 176 °F	11.0 lbs
			ECO/Hydrin	49338341			-31° to 176 °F	
TD36-200NM9	2.0-250	2.00	Perbunan® NBR	49338345	SAE 8	3625 psi/250 bar	+14° to 176 °F	20.9 lbs
			ECO/Hydrin	49338344			-31° to 176 °F	
TD36-200NMB	2.0-250	2.00	Perbunan® NBR	49338342	SAE 12	3625 psi/250 bar	+14° to 176 °F	20.9 lbs
			ECO/Hydrin	49338346			-31° to 176 °F	
TD36-280NM9	2.8-250	2.80	Perbunan® NBR	49338347	SAE 8	3625 psi/250 bar	+14° to 176 °F	24.3 lbs
			ECO/Hydrin	49338348			-31° to 176 °F	
TD36-280NMB	2.8-250	2.80	Perbunan® NBR	49338349	SAE 12	3625 psi/250 bar	+14° to 176 °F	24.3 lbs
			ECO/Hydrin	49338360			-31° to 176 °F	
TD36-350NMB	3.5-250	3.50	Perbunan® NBR	49338361	SAE 12	3625 psi/250 bar	+14° to 176 °F	30.9 lbs
			ECO/Hydrin	49338362			-31° to 176 °F	

NOTES:
All units have M28x1.5 - gas charging valve; Low Temperature applications: ECO/Hydrin (Epichlorohydrin)
A US gas valve adapter kit is an available option to convert a European standard M28 metric valve to a US style .305-32 gas valve
Elastomer Options: "N" = Perbunan® NBR; "U" = ECO/Hydrin; "V" = FKM; Call for assistance w/ optional elastomers
Maximum permissible nitrogen gas pre-charge: 1885 psi/130 bar
Fluid port sizes: "8" = SAE-6 (9/16-18 UNF-2B); "9" = SAE-8 (3/4-16 UNF-2B); "B" = SAE-12 (1-1/16-12 UNF-2B)
CERTIFICATIONS: Comply w/European PED 97/23/EC article 3, paragraph 3, w/o CE marking