



DIAPHRAGM ACCUMULATORS



Tobul Diaphragm Accumulators are designed for industrial & mobile equipment applications that demand lightweight and 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.

Tobul's Diaphragm Accumulators are an integral part of a fluid energy control system for industrial & mobile hydraulic systems in Agricultural & Construction Equipment, Factory Automation & Robotics, Machine Tool, and Power Generation.

Tobul designs and produces accumulators with high strength alloys & proprietary compounds for extreme duty, superior performance, reliability and longer service life.

VALUES TO THE CUSTOMER

- Low Permeation
- Durable Poppet Valve
- Metal Diaphragm Clamping Ring
- Extended Maintenance Intervals
- Wide Temperature Range
- Light Weight



Put the pressure on us.

Contact us today!

(780) 414-1871



FREUDENBERG-NOK
INNOVONS ENSEMBLE

www.sealsonline.com

DIAPHRAGM ACCUMULATORS

TECHNICAL DATA



Tobul Diaphragm Model #	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)

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

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.

