

DIAPHRAGM ACCUMULATORS MODEL NUMBERS

EUROPEAN UNION STANDARD RANGE

Freudenberg Sealing Technologies Type	Part Number	Nominal Volume V [L]	Permissible Operating Pressure PS [bar]	Test Pressure (1.5 x PS) PT [bar]	Permissible Working Pressure Range (*) DP [bar]	Working Temp Range TS [°C]	Max. Permissible Pressure Ratio P0 : P2	Weight kg	ø+3 mm	H mm	Fluid Port IG	Hex mm	
MBSP 0,07-250	49338274	0.07	250	375	140	-35 / 80	1 : 8	0.8	64	118	9/16-18 UNF-2B	SAE 6	32
	49338273					-10 / 80							
MBSP 0,16-250	49338272	0.16	250	375	140	-35 / 80	1 : 6	1.0	75	126	9/16-18 UNF-2B	SAE 6	32
	49338271					-10 / 80							
MBSP 0,32-210	49338276	0.32	210	315	120	-35 / 80	1 : 8	1.8	95	148	3/4-16 UNF-2B	SAE 8	41
	49338275					-10 / 80							
MBSP 0,50- 210	49338278	0.5	210	315	100	-35 / 80	1 : 8	2.1	107	158	3/4-16 UNF-2B	SAE 8	41
	49338277					-10 / 80							
MBSP 0,75- 210	49338292	0.75	210	315	93	-35 / 80	1 : 8	2.7	122	173	3/4-16 UNF-2B	SAE 8	41
	49338291					-10 / 80							
MBSP 0,75-250	49338279	0.75	250	375	140	-35 / 80	1 : 8	3.0	124	176	3/4-16 UNF-2B	SAE 8	41
	49338290					-10 / 80							
MBSP 1,0-210	49338363	1.0	210	315	115	-35 / 80	1 : 8	4.0	136	187	3/4-16 UNF-2B	SAE 8	41
	49338355					-10 / 80							
MBSP 1,4-210	49338259	1.4	210	315	140	-35 / 80	1 : 8	4.2	147	198	3/4-16 UNF-2B	SAE 8	41
	49338258					-10 / 80							
MBSP 1,4-250	49338341	1.4	250	375	140	-35 / 80	1 : 8	5.5	152	197	3/4-16 UNF-2B	SAE 8	41
	49338340					-10 / 80							
MBSP 2,0-250	49338344	2.0	250	375	140	-35 / 80	1 : 6	8.7	156	253	3/4-16 UNF-2B	SAE 8	41
	49338345					-10 / 80							
	49338346					-35 / 80							
	49338342					-10 / 80							
MBSP 2,8-250	49338348	2.8	250	375	140	-35 / 80	1 : 6	8.4	169	268	3/4-16 UNF-2B	SAE 8	41
	49338347					-10 / 80							
	49338360					-35 / 80							
	49338349					-10 / 80							
MBSP 3,5-250	49338362	3.5	250	375	140	-35 / 80	1 : 4	10.2	169	316	11/16-12 UNF-2B	SAE 12	41
	49338361					-10 / 80							

Notes:

- (1) Working fluid: mineral oil qualified for diaphragm material ECO, fluid group II according to PED 97/23/EC
- (2) Gas port: M28 x 1.5—charging valve
- (3) Maximum permissible nitrogen pressure: P0 max. = 130 bar
- (4) All accumulators are designed, manufactured and tested according to the requirements of PED
- (*) Permissible working pressure range represents dynamic housing fatigue 2 mio. pressure cycles

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.

www.fnst.com

FREUDENBERG
SEALING TECHNOLOGIES

 **FREUDENBERG**
INNOVATING TOGETHER