

Siken Diaphragm Accumulator

Siken Hydraulics provides diaphragm accumulators in many applications. A diaphragm accumulator consists of a pressure vessel or housing typically made of steel. Inside the accumulator, there is a flexible diaphragm that separates the gas and fluid compartments. The diaphragm is typically made of a durable and flexible material, such as rubber or elastomer.

We are providing the piston accumulator from 0.1L to 4L and operating pressures up to 10,000 PSI(350Bar).

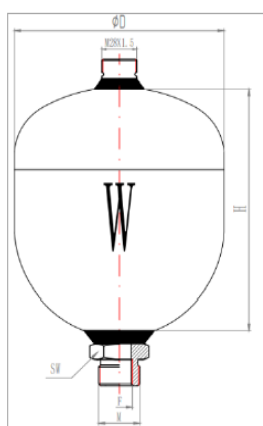
As for the rubber bladder materials, we could design and produce all products accumulator with diverse seals such as NBR, HNBR, ECO. etc...

Parameters:

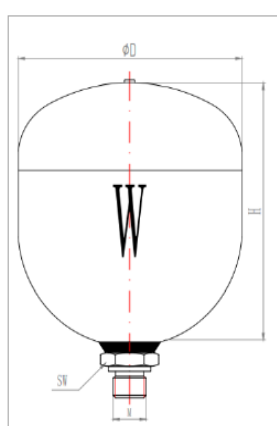
- *Volumes: 0,1 liter ... 4 Liter*
- *max. operating pressure: up to 690 bar (10000PSI)*
- *Service temperature: -60°C ... +200°C*
- *Rubber materials:: NBR, HNBR, ECO. etc.*
- *Housing materials: Caron steel, Stainless Steel, etc...*

Model Code:

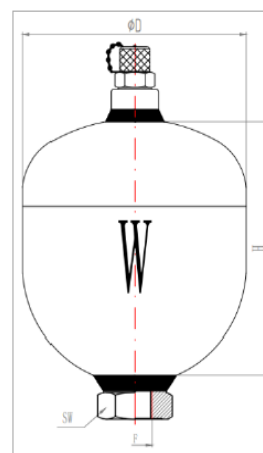
	<u>SD</u>	<u>210</u>	<u>- 0.075</u>	<u>S</u>	<u>N</u>	<u>G1</u>	<u>M</u>
Diaphragm accumulator							
Working pressure(Bar)							
Volume (Liter)							
Shell material							
C: Carbon steel							
S: Stainless Steel							
Rubber material							
N: (NBR)							
B: (Butyl)							
H: (HNBR)							
E: (EPDM)							
C: (ECO)							
Gas Port							
G1: M28×1.5							
G2: M16×2							
G3: M14×1.5							
G4: 5/8-18UNF							
G5:8V1 ISO4570							
G6: Non-repairbale							
Fluid port							
M: Metric thread							
U: UN thread							
G: ISO228) thread							
N: NPT							
MM:Metric male&female							
UM: UN metric & metric female							
GM: G female & metric male							



Standard M28 X 1.5



Non-Fillable



With Gas valve

Diaphragm accumulator parameters

Models	Pressure	Volume	Max P2:P0	Dimensions						Max flow rate							
Code	Bar	L	Ratio		Ø D(mm)	H(mm)	M	F	SW(mm)	L/min							
SD210-0.075	210	0.075	8: 1	0.85	66	74	M18X1.5	G1/2	27	10							
SD330-0.075	330			0.85	66	74											
SD210-0.16	210	0.16		1.1	76	81											
SD330-0.16	330			1.1	76	81											
SD210-0.25	210	0.25		1.3	86	89	G1/2		32	25							
SD330-0.25	330			1.9	90	93											
SD100-0.32	100	0.32		1.0	89	94											
SD210-0.32	210			1.7	95	100											
SD330-0.32	330			2.5	99	104											
SD210-0.5	210	0.5		2.0	103	106			41								
SD330-0.5	330			3.2	112	116											
SD210-0.75	210	0.75		3.5	122	126					G3/4						
SD330-0.75	330			4.3	126	133											
SD210-1	210	1		4.1	136	135											
SD330-1	330			5.0	140	139											
SD210-1.4	210	1.4	4:1	5.2	150	162	M33x1.5										
SD330-1.4	330			7.6	158	170											
SD210-2	210	2		8.1	168	187											
SD330-2	330			9.4	172	191											
SD210-2.5	210	2.5		8.6	168	198											
SD330-2.5	330			10	172	202											
SD210-2.8	210	2.8		9.2	168	225											
SD330-2.8	330			10.4	172	229											
SD210-3.5	210	3.5		11.0	168	273											
SD330-3.5	330			12.5	172	277											