

SEP - PRESSURE SEPARATOR

SEP membrane separators are applicable to the entire process instrumentation to protect it from corrosion, clogging, pulse, temperature extremes, high viscosity, solidification of the fluid with changes in ambient temperature. Operation: a membrane welded to the upper part separates the process fluid from the measuring element. The space above the diaphragm (links and measuring element) is filled with the liquid temperature stable. The drop on the membrane causes a change of flexion through which the liquid acts on the mixer.



CONSTRUCTION FEATURES

Pressure: the pressure range is limited by the type of separator. The standard range is from -1/0 bar to 0/250 bar. Special versions up to 600 bar. The accuracy is not guaranteed with vacuum less than 0.7 bar.

Capillary tube: max 6 m.

Limit temperature: -15 ° C + 150 ° ,

Overpressure normal: 15% for fields above 100 bar; 20% for fields up to 60 bar

Accuracy: (to be added to the precision of the instrument connected) $\pm 1\%$ VFS

STANDARD MATERIALS

SEPMDM901

Materials	Temperature	Pressure
PVC	60°C	PN10
PP	80°C	PN10
PVDF	120°C	PN10

Process connections G1/4"-1/2" Female-Female

SEP04.1BO

Materials	Temperature	Pressure
Stainless Steel 316	-45...+150°C	-1/00/40 bar

Process connections G1/2" Male- Female

SEP04.SAN

Materials	Temperature	Pressure
Stainless Steel 316L	-20...120°C	0...16 bar

Process connections DIN 11851 DN25 - 32 - 40 - 50

On request: Tri.clamp connections, High Pressure 250 bar, High temperature



Pressure transducers with separator



Manometer with separator



SATEMA

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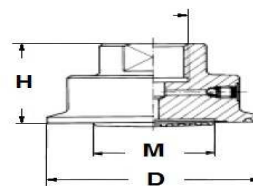
Mail: info@satema.it <http://www.satema.it>

SEP - PRESSURE SEPARATOR

SEP04AL* tri-clamp

Materials: Acc.Inox AISI316L
 Temperature: -20...120°C
 Pressure: 0...40 bar
 Tri-clamp connections: 1"1/2 - 2" - 2"1/2

Accessories:



Type 1 butt weld tang		Type 2 butt weld tang		Type 3 butt weld tang	
Clamp	x Φ x sp x L	Clamp	x Φ x sp x L	Clamp	x Φ x sp x L
1"1/2 Φ 50,5	21,3x1,6x21,5	1"1/2 Φ 50,5	40x1,5x28	1"1/2 Φ 50,5	12,7x1,65x15
	26,9x1,6x21,5		44,5x2x35	2" Φ 64	28x1,5x28
	33,7x2x21,5		48,3x2x35		38x1,65x28
2" Φ 64	42,4x2x21,5		50,8x1,65x30		41x1,5x36
	48,3x2x1,5	2" Φ 64	76,1x1,65x40	2"1/2 Φ 77,5	50,8x1,65x35
			60,3x2x35		
2"1/2 Φ 77,5	60,3x2x28	2"1/2 Φ 77,5	76,2x2x40		

Codolo a saldare



tipo 1



tipo 2



tipo 3



Clamp/ISO228 M



Clamp/ISO228 F



Clamp/NPT M

ISO228 Male tang	
Clamp	Gas
1"1/2	1"1/4
1"1/2	1"1/2
2"	1"
2"	1"1/2
2"	2"
2"1/2	2"
2"1/2	2"1/2

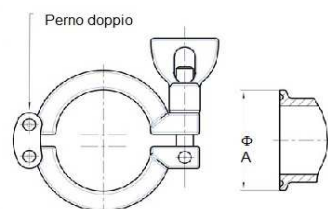
ISO228 Female tang	
Clamp	Gas
1"1/2	1"1/4
1"1/2	1"1/2
2"	1"1/4
2"	1"1/2
2"	2"
-	-
-	-

NPT Male tang	
Clamp	NPT
1"1/2	1"1/4
1"1/2	1"1/2
2"	1"1/2
-	-
-	-
-	-
-	-

AISI304 double pin standard clamp

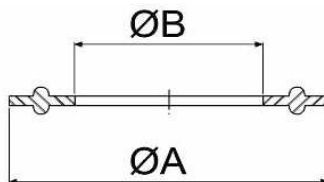
Size	A	Temperature	Pressure
1"1/2	50,5	21°C	34,5 bar
2"	64	21°C	31 bar
2"1/2	77,5	21°C	27,5 bar

On request high pressure clamp



PTFE - EPDM - Silicon - Viton Gasket

Size	A	B
1"1/2	50,5	35
2"	64	47,7
2"1/2	77,5	60,4



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