

Мембранные уплотнения на линии, сварочный блок для приварки в трубопровод - SEP538

Технические характеристики

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SEP538

Separatore di fluido a membrana affacciata per attacco diretto su tubazioni

Diaphragm-seals in line, welding neck block to be welded into pipeline

Studiati per essere applicati direttamente su tubazioni e per campi scala da -1 fino a 250Bar. Il tipo SEP538SM può essere saldato in una tubazione avente il diametro compreso fra ½" e 1"; il tipo SEP538TM è adatto per tubazioni aventi diametro compreso fra 1 ½" e 4". Come anche per il tipo SEP538LF esiste inoltre un tipo LP appositamente progettato per bassi campi da -1 a 6 Bar.

Suitable to be mounted directly on pipes and for ranges from -1 Bar up to 250Bar. The seal type SEP538SM gives the possibility of locating the diaphragm seal so that it can be welded in between a pipeline from ½" up to 1" diameter; the type SEP538TM is suitable for a pipe of 1 ½" up to 4" diameter and the type SEP538LF is for fitting the diaphragm seal for pipe 1 ½" up to 4" diameter. Further more there is a type LP specially designed for low pressure from -1 up to 6 Bar.



PED 2014/68/UE



ATEX 2014/34/UE



SEP538IL

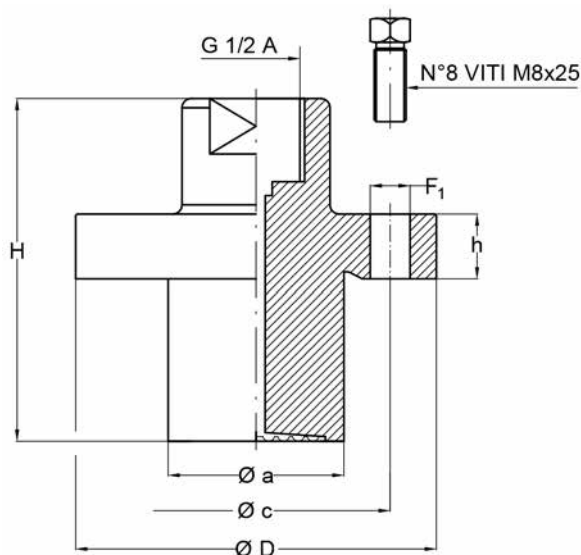
Separatore in linea / In line diaphragm seal

Collegamento a distanza.

Tipo capillare max L = 6 m.

Remote reading.

Type capillary max L = 6 m.



Tipo / Type	h	H	a	c	D	F ₁
SEP538IL	15	75	38	58	78	8,5

CAPILLARE TIPO / TYPE CAPILLARY	CODICE / CODE
Nudo in AISI 316	St. st.
In AISI 316 con armature flessibile in AISI 304	St. st. FL st. st.
In AISI 316 con armature flessibile in AISI 304 + PVC	St. st. FL Vi

N.B.

Tutti i separatori sono accoppiati e bloccati allo strumento mediante punto di saldatura. Nelle applicazioni con capillare, qualora il separatore e lo strumento non si trovassero allo stesso livello, è necessario l'azzeramento in loco dello strumento.

Seals jointed and fixed at the instruments by welding. In remote mounting if seal and instrument not to be on equal level, is necessary to reset the instrument in field.

SEP538SA

Attacchi a saldare a sella / Saddle types flanges to be welded on pipe wall

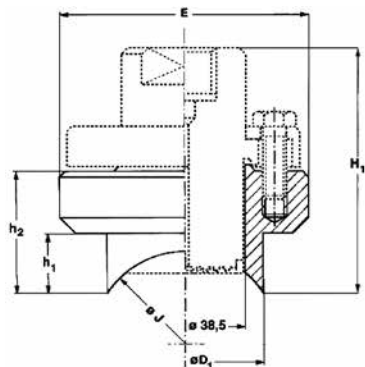
TIPI E DIMENSIONI

Attacchi a saldare su tubazioni da DN 2" ÷ 4"

Pressione di esercizio: 250 Bar max, in funzione del tubo utilizzato

Attacco al processo: sagomato a saldare sul diametro esterno di tubi DN 2" - 3" - 4"

Corpo: in acciaio inox AISI 316.



TYPES AND DIMENSIONS

Welding connection on pipe DN 2" ÷ 4"

PN: 250 Bar max, suitable on pipe

Process connection: suitable to be welded on the pipe wall DN 2" - 3" - 4"

Body: st. st. 316.

DN	h ₁	h ₂	H ₁	D ₁	E	J
2" (50)	28,5	48,5	87,5	55	80	60,3
3" (80)	23,5	43,5	82,5	65	80	88,9
4" (100)	23	43	82	75	80	114,3

SEP538SM

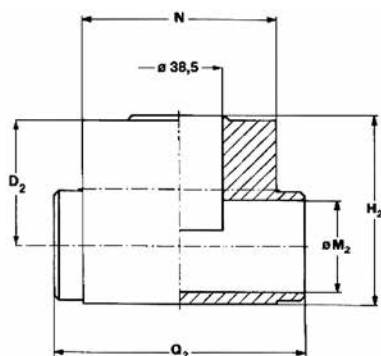
Specifica Tecnica / Technical Data

TIPI E DIMENSIONI

Pressione di esercizio: 250 Bar max, in funzione del tubo utilizzato

Attacco al processo: attacchi a saldare di testa su tubazioni da DN 1/2" 3/4" 1"

Corpo: in acciaio inox AISI 316.



TYPES AND DIMENSIONS

PN: 250 Bar max, suitable on pipe

Process connection: welding connection on pipe DN 1/2" 3/4" 1"

Body: st. st. 316.

DN	H ₂	Q ₂	N	D ₂	M ₂ [*]
1/2" (15)	83	110	80	43	15,8
3/4" (20)	83	110	80	45,5	20,9
1" (25)	83	110	80	48,5	26,6

* dimensioni per tubo secondo ANSI B31.1 SCH 40S

* pipe dimensions according to ANSI B31.1 SCH 40S

SEP538TM

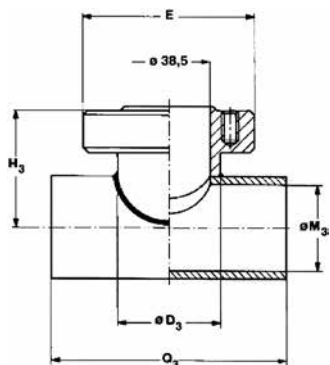
Specifica Tecnica / Technical Data

TIPI E DIMENSIONI

Pressione di esercizio: 250 Bar max, in funzione del tubo utilizzato

Attacco al processo: attacchi a saldare di testa su tubazioni da DN 1 1/2" 2" 3" 4"

Corpo: in acciaio inox AISI 316.



TYPES AND DIMENSIONS

PN: 250 Bar max, suitable on pipe

Process connection: welding connection on pipe DN 1 1/2" 2" 3" 4"

Body: st. st. 316.

DN	H ₃	Q ₃	E	D ₃	M ₃ [*]
1 1/2" (40)	55,5	110	80	448	40,9
2" (50)	61	110	80	55	52,5
3" (80)	74	110	80	65	77,9
4" (100)	86	110	80	75	102,3

* dimensioni per tubo secondo ANSI B31.1 SCH 40S

* pipe dimensions according to ANSI B31.1 SCH 40S

SEP538LF

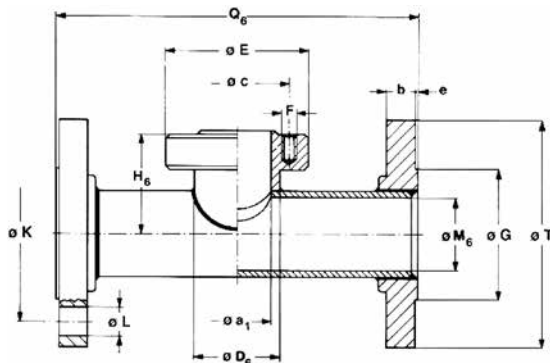
Specifica Tecnica / Technical Data

TIPI E DIMENSIONI

Pressione di esercizio: 100 Bar max, in funzione del tipo di flangia utilizzata

Attacco al processo: flange UNI – DIN DN 40 ÷ 50 PN 10 ÷ 100 tenuta a gradino; 1 1/2" 2" classe 150 ÷ 900 RF secondo ANSI B16,5

Corpo, tubo e flange: in acciaio inox AISI 316.



TYPES AND DIMENSIONS

PN: 100 Bar max, suitable on the flanges used

Process connection: UNI – DIN DN 40 ÷ 50 PN 10 ÷ 100; 1 1/2" 2" class 150 ÷ 900 RF according to ANSI B16,5

Body, pipe and flanges: st. st. 316.

E	c	a ₁	F	F (n° fori)
80	58	38,5	M8	8

ATTACCHI FLANGIATI A NORME UNI / DIN FLANGES CONNECTIONS UNI – DIN SPECIFICATIONS (tra parentesi quote secondo norme DIN / in parentheses dimensions according to DIN)												
DN	PN-Bar ⁽¹⁾	T	G	M ₆ ⁽³⁾	K	L	b	e	H ₆	D ₆	N ⁽²⁾	Q ₆
40	10÷16	150	88	40,9	110	18	13	3	55,5	48	4	220
40	25÷40	150	88	40,9	110	18	15	3	55,5	48	4	230
40	64÷100	170	85 (88)	40,9	125	22	23	3	55,5	48	4	270
50	10÷16	165	102	52,5	125	18	15	3	61	55	4	255
50	25÷40	165	102	52,5	125	18	17	3	61	55	4	260
50	64	180	95 (102)	52,5	135	22	23	3	61	55	4	290
50	100	195	95 (102)	52,5	145	26	25	3	61	55	4	300

ATTACCHI FLANGIATI A NORME ANSI / FLANGES CONNECTIONS ANSI SPECIFICATIONS												
DN	PN-PSI ⁽¹⁾	T	G	M ₆ ⁽³⁾	K	L	b	e	H ₆	D ₆	N ⁽²⁾	Q ₆
1 1/2"	150	127	73	40,9	98,4	16	15,9	1,6	55,5	48	4	205
1 1/2"	300	155,5	73	40,9	114,3	22	19	1,6	55,5	48	4	220
1 1/2"	600	155,5	73	40,9	114,3	22	22,5	6,3	55,5	48	4	230
1 1/2"	900	178	73	52,5	123,8	29	32	6,3	61	55	4	300
2"	150	152,5	92,1	52,5	120,6	19	17,5	1,6	61	55	4	230
2"	300	165	92,1	52,5	127	19	20,9	1,6	61	55	8	250
2"	600	165	92,1	52,5	127	19	25,5	6,3	61	55	8	260
2"	900	216	92,1	52,5	165,1	26	38,2	6,3	61	55	8	320

(1) La pressione applicabile non deve superare 1,5 volte il PN della flangia da 20÷30°C ed 1 volta il PN della flangia a 340°C

(2) N° fori passanti

(3) Dimensioni del tubo secondo ANSI B31.1 SCH 40S

(1) Pressure must not exceed 1,5 times flange's rating from 20÷30°C and 1 time rating 340°C

(2) N° trough holes

(3) Pipe dimensions according to ANSI B31.1 SCH 40S

NOTA TECNICA

Le flangie del tipo LF sono costruite in accordo alla specifica ANSI e DIN.

La dimensione Q nei disegni può essere modificata in base alle esigenze.

La precisione del separatore SEP538 ad una temperatura di 20°C è di ±0,5% per il tipo diretto e di ±1% per il tipo con capillare.

OPTIONAL

Parte superiore: hastelloy-C, titanio, monel, tantalio

Membrana: hastelloy-C, titanio, monel, tantalio, nickel

Liquido di riempimento: fluido fluorato

Temperatura: max 350°C

Parte inferiore: PTFE, PFA FEP PVDF.

TECHNICAL NOTE

Flanges for type LF are manufactured according to ANSI or DIN specifications.

Dimension Q in the drawings can be changed according to process requirements. The accuracy of the seal at 20°C, when directly mounted is ±0,5% and when indirectly mounted (through a capillary) is ±1%

OPTIONS

Upper part: hastelloy-C, titanium, monel, tantalum

Diaphragm: hastelloy-C, titanium, monel, tantalum, nickel

Filling fluid: fluorate fluid

Temperature: max 350°C

Lower part: PTFE, PFA FEP PVDF.

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