



**VALVOLE DI SICUREZZA**  
 SAFETY VALVES  
 SICHERHEITSVENTIL  
 SOUPAPES DE SÉCURITÉ  
 VALVULAS DE SEGURIDAD

## VALVOLE DI SICUREZZA

Le nostre valvole di sicurezza in acciaio inox AISI 304L/316L, vengono costruite dal 1973 e sono impiegate nei processi industriali di numerosi settori nel campo alimentare e chimico. Le valvole di sicurezza vengono installate nel cuore del processo e quindi svolgono una funzione vitale che ne richiede il perfetto funzionamento. Sono progettate, costruite e sottoposte a rigorosi test per essere impiegate anche in ambienti particolarmente critici. Vengono sottoposte a severi collaudi e prove di scarico.

**Tutti i materiali usati sono compatibili per il contatto con alimenti in accordo al Reg. (CE) n.1935/2004 - D.M. 21/03/1973 e FDA, 21 CFR.**

## SAFETY VALVES

Our stainless steel safety valves made in AISI 304L/316L material, have been built since 1973 and have been employed in various industrial processes and also in the various alimentary and chemical sectors. The safety valves are set up in the heart of the working process, having vital functions; that is the reason why they have to be as perfect as possible during their working. They have been projected following carefully developed concepts where particular and critical environments take place. Rigorous testings and unloading tests have been made in the planning phase.

**All materials used are suitable for food contact according to the European Regulation (EC) No 1935/2004 - FDA.**

## SICHERHEITSVENTILE

Unsere Sicherheitsventile aus Edelstahl AISI 304L/316L werden seit 1973 gebaut und sind in verschiedensten Verfahren der Nahrungsmittel- und Chemieindustrie angewandt. Die Sicherheitsventile werden im Herzen des Verfahrens installiert und haben eine vitale Funktion, so dass sie einwandfrei ihre Aufgabe ausführen müssen. Sie stützen sich auf sorgfältig entwickelten und getesteten o Projekt und entsprechen den industriellen Anforderungen auch in besonderen und kritischen Umgebungen. Strenge Abnahmen und Auslassprüfungen wurden in der Phase der Konstruktion durchgeführt.

**Alle verwendeten Materialien sind mit Kontakt mit Lebensmitteln vereinbar, in Übereinstimmung mit der europäischen Verordnung (EG) Nr 1935/2004 - FDA.**

## SOUPAPES DE SÛRETÉ

Nos soupapes de sûreté en acier inox AISI 304L/316L sont fabriquées depuis 1973 et elles sont employées dans plusieurs de procès industriels dans les différents secteurs alimentaires et chimiques. Les soupapes de sûreté sont installées dans le coeur du procès et elles ont une fonction vitale et il faut qu'elles la déroulerent à la perfection. Elles se basent sur des idées soigneusement développées et testée et elle satisfaisent les demandes industrielles aussi dans des milieux spéciaux et critiques. Nous avons effectuées en phase de projet des essais rigoureux et des preuves de déchargement.

**Tous les matériaux utilisés sont compatibles avec le contact alimentaire conformément au règlement européen (CE) No 1935/2004 - FDA.**

## VALVULAS DE SEGURIDAD

Nuestras válvulas de seguridad de acero inoxidable AISI 304L/316L, son construidas desde 1973 y son empleadas en varios procesos industriales en el sectores alimenticios y químicos. Las válvulas de seguridad son instaladas en el corazón del proceso y tienen funciones vitales luego tienen que desarrollarle a la perfección. Ella son construidas sobre un concepto cuidadosamente desarrollado y probado y contestan bien a las diferentes demandas industriales, también en entornos particulares y críticos. En fase de planeamiento han sido efectuados numerosos controles y pruebas de descargue.

**Todos los materiales utilizados son compatibles para el contacto con alimentos según la normativa europea (CE) n. 1935/2004 - FDA.**

<b>1 Bar</b>	100000 Pascals
	100 Kilopascals
	1000 Millibars
	1000000 Microbars
	~0.98 Atmospheres
	~401.46 Inches of water
	10 Meters of water, 10,1972 m
	~29.53 Inches of mercury
	~750 Millimeters of mercury
	~14.5 Pounds per square inches
~1.02 Kilograms per square inches	

**TABELLA CONVERSIONE BAR**  
 BAR CONVERSION CHART  
 BAR UMRECHNUNGSTABELLE  
 TABLEAU DE CONVERSION BAR  
 CUADRO DE CONVERSION BAR

## Valvola di sicurezza a scarico libero - PED 2014/68/EU IV° Cat.

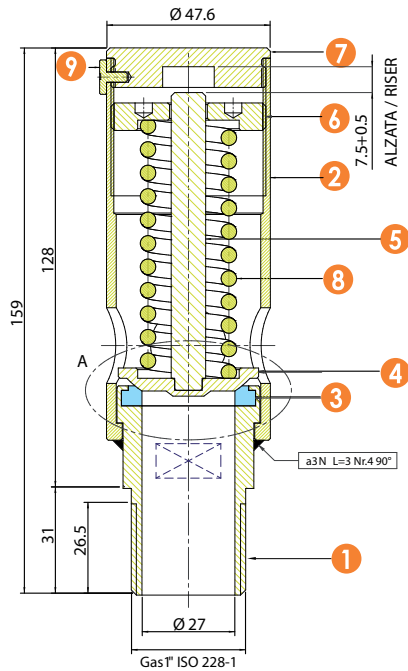
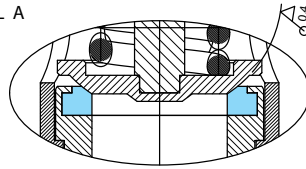
Safety valve with free discharge - PED 2014/68/EU IV° Cat.

Sicherheitsventile - PED 2014/68/EU IV° Cat.

Soupape de sécurité avec refoulement libre - DESP 2014/68/EU IV° Cat.

Válvula de seguridad con descarga libre - PED 2014/68/EU IV° Cat.

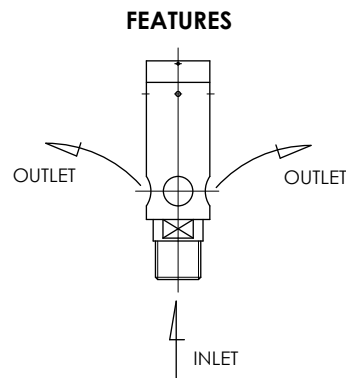
art. 40


 DETAIL A  
2:1


POS.	CODE	PARTS NAME	MAT.
1	VS-003-08	VALVE BASE BSPP/G. 1"UNI EM ISO 228	1.4404
2	VS-003-04	VALVE BODY	1.4404
3	VS-003-07	GASKET	P.T.F.E.
4	VS-003-09	SHUTTER	1.4404
5	VS-003-05	SHUTTER STEM	1.4404
6	VS-003-03	SPRING REGISTER	1.4404
7	VS-003-02	SHUTTER STOP	1.4404
8	SEE TABLE	SPRING	1.4310
9	VS-009-16	SEAL	1.4307

POSITION nr. 8	SET PRESSURE		TOTAL LENGTH	EXTERNAL DIAMETER	ACTIVE SPIRIT	WIRE DIAMETER	SPRING DRAWING
	bar						
	min	max	mm	mm	Nr.	max	
	4.5	6.0	90	28	9	4.00	VS-003-13
	6.1	8.0	90	28	8	4.00	VS-003-14
	8.1	11.0	95	28	11	4.50	VS-003-15
	11.1	15.0	90	28	9	4.50	VS-003-16

TECHNICAL SPECIFICATIONS	
PRESSURE PRODUCT IN COMPLIANCE TO DIRECTIVE	PED 2014/68/EU
DESIGN CODE	EN - ISO 4126-1
CATEGORY AND CLASSIFICATION	IV
CONSTRUCTION MODULE	H1
CUSTOMER NOTIFIED BODY APPROVAL	TÜV Rheinland
NOMINAL DIAMETER DN	1"
DESIGN PRESSURE PS	40 barg
INTERNAL DIAMETER	27 mm
AREA	5,73 cm <sup>2</sup>
FIELD CALIBRATION	4,5 - 15,0 barg
TEMPERATURE	-20 / +250 °C
FLUIDS	Gas Gr. 1 - 2 except explosive gases
MARKING	CE 0035
THREADS MALE	G 1" ISO 228
DISCHARGE COEFFICIENT	k = 0.680
CLOSURE GAP	≤ 20%
TOLLERANCE ON SETTING	± 3% of set value



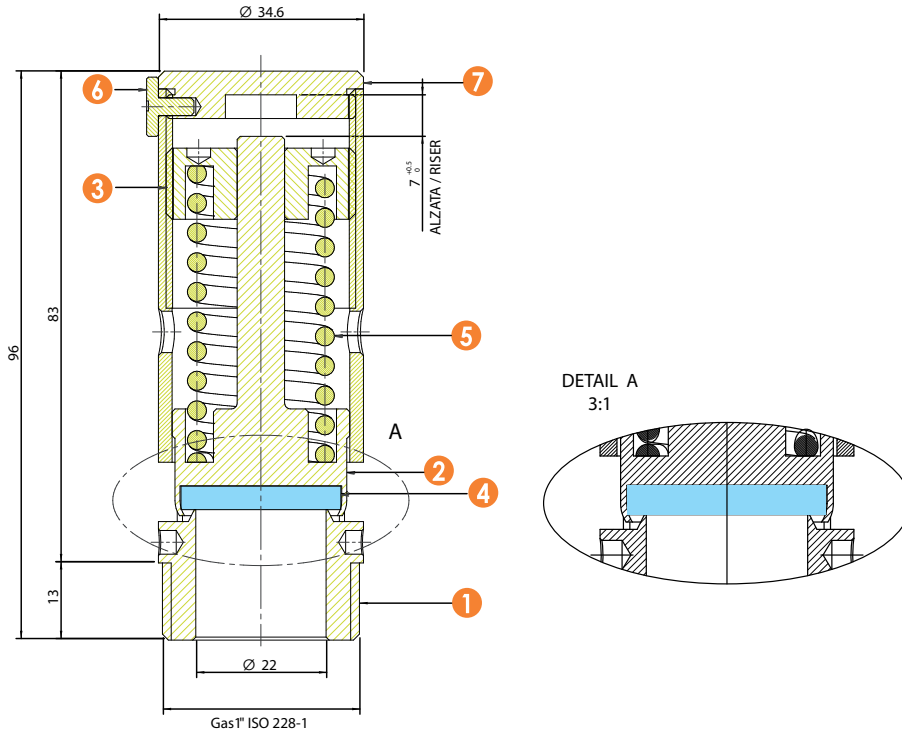
**Valvola di sicurezza a scarico libero - PED 2014/68/EU IV° Cat.**

Safety valve with free discharge - PED 2014/68/EU IV° Cat.

Sicherheitsventile - PED 2014/68/EU IV° Cat.

Soupape de sécurité avec refoulement libre - DESP 2014/68/EU IV° Cat.

Válvula de seguridad con descarga libre - PED 2014/68/EU IV° Cat.

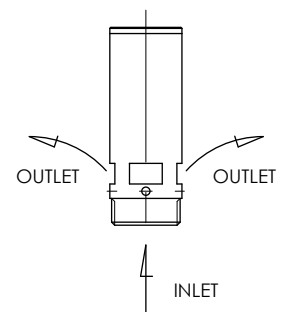


POS.	CODE	PARTS NAME	MAT.
1	VS-009-02	VALVE BODY	1.4404
2	VS-009-03	SHUTTER	1.4404
3	VS-009-04	SPRING REGISTER	1.4404
4	VS-009-06	GASKET	SEE TABLE
5	SEE TABLE	SPRING	1.4310
6	VS-009-16	SEAL	1.4307
7	VS-009-05	SHUTTER STOP	1.4404

POSITION Nr. 5	SET PRESSURE		TOTAL LENGTH	EXTERNAL DIAMETER	ACTIVE SPIRIT	WIRE DIAMETER	SPRING DRAWING
	bar	mm					
	min	max	mm	mm	Nr.	max	
	0.5	1.0	70	24.5	10	2.80	VS-009-08
	1.1	1.8	70	25.5	8	2.80	VS-009-09
	1.9	3.0	70	24	9	2.80	VS-009-10
	3.1	4.7	75	25.5	9	3.00	VS-009-11
	4.8	5.5	70	25	8	3.00	VS-009-12
	5.6	6.5	71	24.8	9	3.20	VS-009-13
	6.6	8.0	85	24	8	3.00	VS-009-14

GASKET MATERIAL	WORKING TEMPERATURE
NBR	-10 / +100 °C
EPDM	-20 / +150 °C
VITON	-20 / +200 °C
SILICON	-20 / +200 °C
PTFE	-20 / +250 °C

TECHNICAL SPECIFICATIONS	
PRESSURE PRODUCT IN COMPLIANCE TO DIRECTIVE	PED 2014/68/EU
DESIGN CODE	EN - ISO 4126-1
CATEGORY AND CLASSIFICATION	IV
CONSTRUCTION MODULE	H1
CUSTOMER NOTIFIED BODY APPROVAL	TÜV Rheinland
NOMINAL DIAMETER DN	1"
DESIGN PRESSURE PS	40 barg
INTERNAL DIAMETER	22 mm
AREA	3,80 cm <sup>2</sup>
FIELD CALIBRATION	0,5 - 8,0 barg
TEMPERATURE	-20 / +250 °C
FLUIDS	Gas Gr. 1 - 2 except explosive gases
MARKING	CE 0035
DISCHARGE COEFFICIENT	k = 0.703
CLOSURE GAP	≤ 20%
TOLLERANCE ON SETTING	± 3% of set value

**FEATURES**


**Valvola di scarico regolabile**

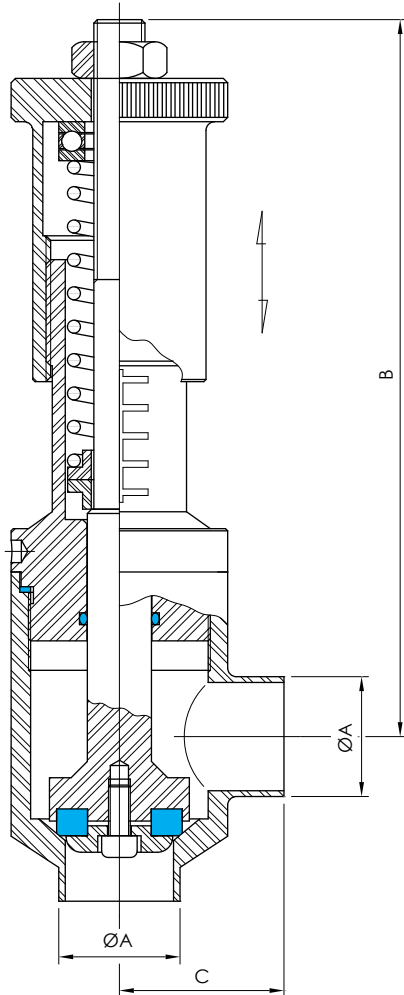
Angle-body regulating valve 90°, weld ends

Entlastungsventile 90° S/S

Soupape de régulation

Válvula reguladora

AISI 316



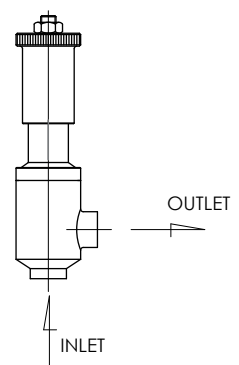
DN	A	B	C
25	26	210	60
32	32	220	60
40	38	230	70
50	50	240	80
65	66	220	75

**SPECIFICHE TECNICHE:**

- Corpo e testa in AISI 316
- Tenuta in PTFE
- Pressione di apertura regolabile: 3 / 6 bar
- Scarto di chiusura: ≤ 20%
- Temperatura di esercizio: -20°C / +150°C

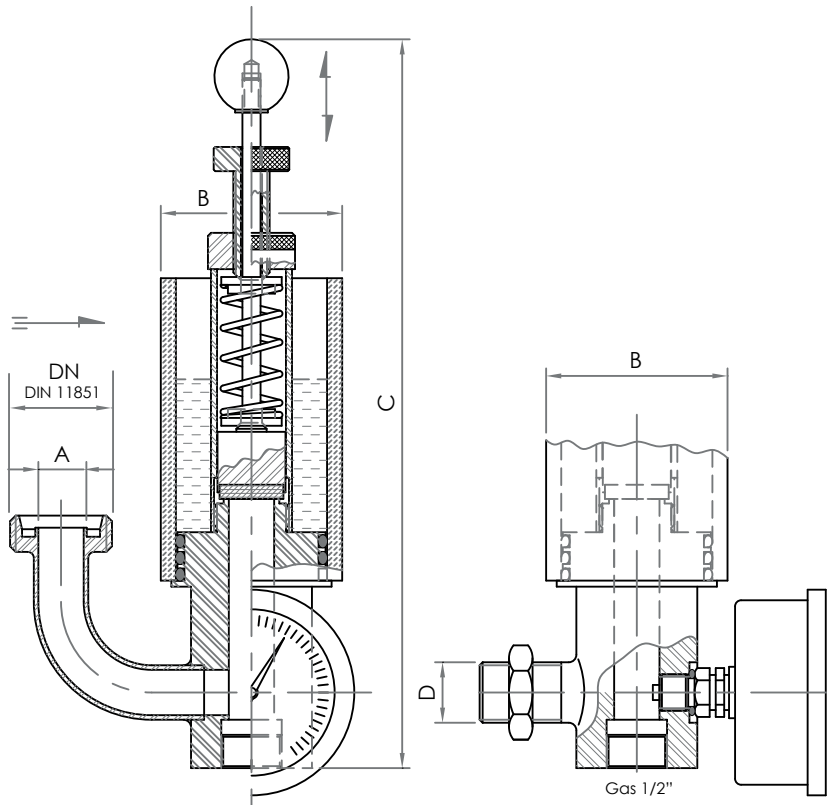
**TECHNICAL SPECIFICATIONS:**

- Body and head in AISI 316
- Seal in PTFE
- Opening pressure adjustable: 3 / 6 bar
- Closure gap: ≤ 20%
- Working temperature: -20°C / +150°C

**FEATURES**


## Valvola di regolazione (Gorgogliatore)

Bunging device  
Spundapparat  
Soupape de régulation  
Válvula reguladora



DN	Range hl	A	B	C	D	F
<b>15-RD 34X18</b>	0 - 180	15	60	236	M20x1.5	1.55
<b>20-RD 44X16</b>	0 - 500	19	75	240	M20x1.5	1.7
<b>32-RD 58X46</b>	0 - 1000	32	110	272	M20x1.5	3.8

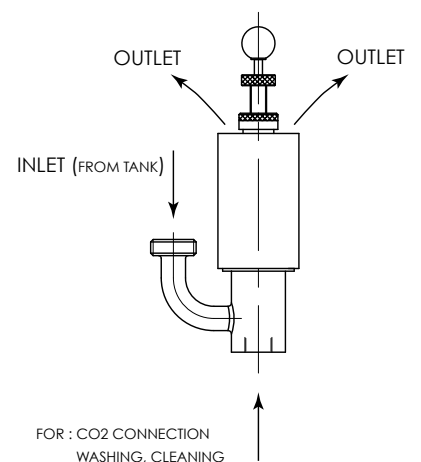
### SPECIFICHE TECNICHE:

- Corpo e testa in AISI 304/316
- Tenuta in EPDM
- Pressione di apertura regolabile: 0.2+2.2 / 2.5+4bar
- Scarto di chiusura:  $\leq 20\%$
- Temperatura di esercizio:  $-20^{\circ}\text{C} / +100^{\circ}\text{C}$

### TECHNICAL SPECIFICATIONS:

- Body and head in AISI 316
- Seal in rigid EPDM
- Opening pressure adjustable: 0.2+2.2 / 2.5+4bar
- Closure gap:  $\leq 20\%$
- Working temperature:  $-20^{\circ}\text{C} / +100^{\circ}\text{C}$

### FEATURES



## CIP TOP

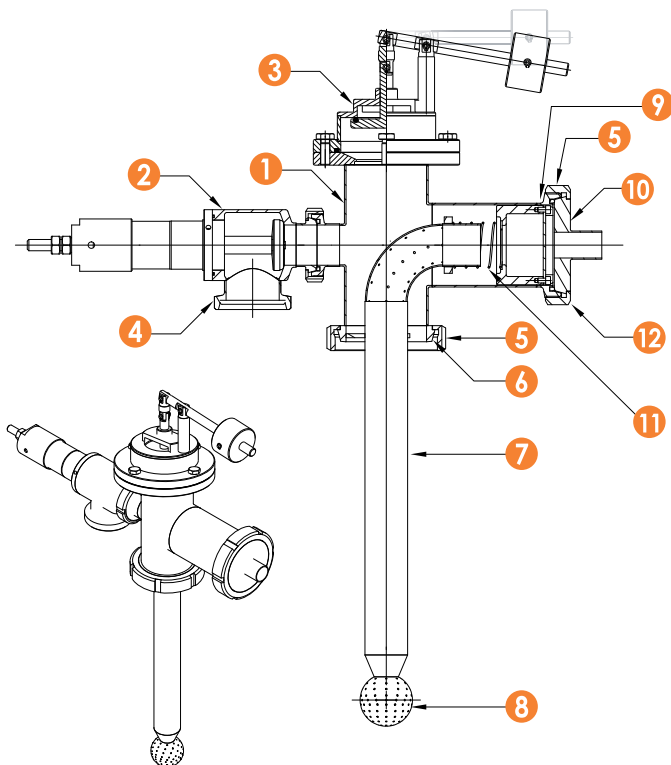
 art. **40R**

Il nostro CIP Top per serbatoi è una combinazione di dispositivi di sicurezza per la sovrappressione, il vuoto, recupero di CO<sub>2</sub> e pulizia del serbatoio. Tramite una sola connessione DIN di collegamento al serbatoio si evita l'utilizzo di costose flange e saldature.

Singola connessione DIN  
Recupero di CO<sub>2</sub>

Our CIP Top is a combination of safety devices for overpressure, vacuum, CO<sub>2</sub> recovery and tank cleaning. Through a single DIN connection to the tank without the use of expensive flanges and welds for connection to the tank.

Single DIN connection  
CO<sub>2</sub> recovery



POS.	PARTS NAME	MAT.
1	CORPO / BODY	1.4404
2	VALVOLA DI SCARICO SAFETY VALVE	1.4404
3	VALVOLA PER VUOTO / VACUUM VALVE	1.4404
4	RACCORDO F DIN 11851 / M DIN FITTING	1.4404
5	GHIERA DIN 11851 / NUT DIN FITTING	1.4301
6	MASCHIO DIN 11851 / LINER DIN FITTING	1.4404
7	TUBO LAVAGGIO / CLEANING TUBE	1.4404
8	SFERA DI LAVAGGIO / SPRAY BALL	1.4404
9	DEVIATORE / DIVERTER	1.4404/POM
10	TENUTA DEVIATORE / FITTING	1.4404
11	MOLLA / SPRING	1.4310
12	GHIERA DIN 11851 / NUT DIN FITTING	1.4310

DATI TECNICI - TECHNICAL DATA		
<b>DIAMETRI</b> NOMINAL SIZE	DN 50 ÷ 150	
<b>MATERIALI</b> MATERIAL	PARTI DI CONTATTO PRODOTTO CONTACT PRODUCT PARTS	AISS 316 L (1.4404)
	PARTI NON A CONTATTO PRODOTTO NON - CONTACT PRODUCT PARTS	AISS 304 (1.4301)
<b>GUARNIZIONI</b> SEAL MATERIAL	CERTIFICATO DI FORNITURA EN 10204 3. 1 PROVIDE EN 10204 3. 1 CERTIFICATE	
	DI SERIE STANDARD	EPDM
	OPZIONALE OPTION	SILICONE, FPM, PTFE
<b>TEMPERATURA</b> TEMPERATURE	TEMPERATURA D' ESERCIZIO RUNNING WORKING TEMPERATURE	max 80°C (Liquids), CIP/SIP up to 140°C max 130°C (Gases)
	TEMPERATURA STERILIZZAZIONE STERILIZATION TEMPERATURE	150° C (max20 min.)
<b>PRESSIONE</b> PRESSURE	PRESSIONE D' ESERCIZIO WORKING PRESSURE	5 - 8 bar
	DEPRESSIONE DI CONTROLLO CONTROL PRESSURE VACUUM	-0.001 ÷ 0,1 bar
<b>COLLEGAMENTO</b> CONNECTION	CONNESSIONE CONNECTION	Raccordo DIN 11851 Fitting DIN 11851

Le informazioni contenute in questo documento sono puramente indicative e non impegnative, l'azienda si riserva il diritto di modificarle senza obbligo di preavviso.  
The informations provided in this document are intended for informational purposes only and are subject to change without notice.

## Valvola di scarico tarabile

Spring relief valve  
Einstellbare Feder Entlastungsventile  
Soupape de décharge réglable  
Válvula de descarga ajustable

AISI 316

art. 41

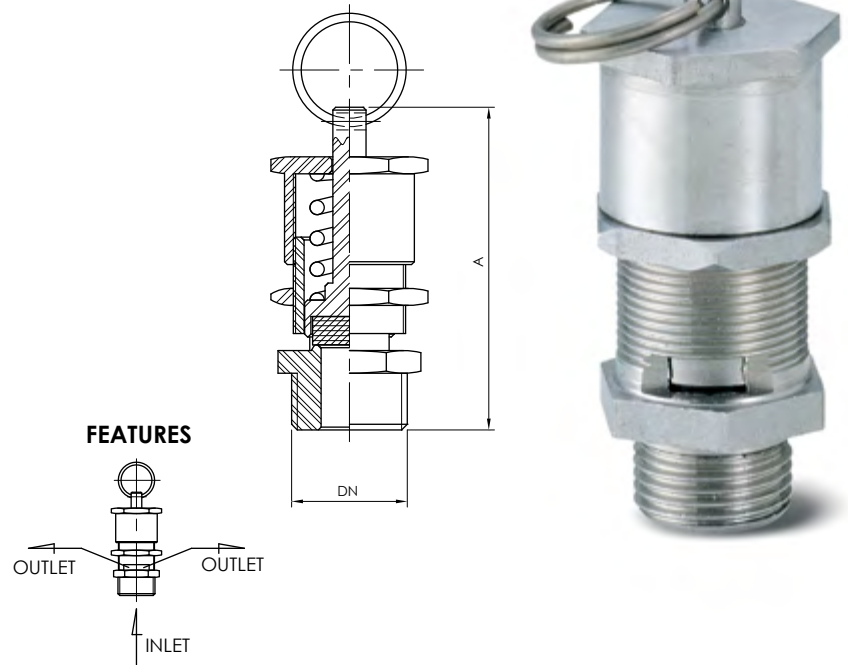
ART.	DN	A	TARATURA in bar SETTING in bar	MOLLA SPRING
41A	3/8"	56	0.5÷2	LMS041D
			1.8÷4.0	LMS041E
41A1	1/2"		3.8÷8.5	LMS041B
			8.0÷16	LMS041C
41A2	1"	56	0.1÷0.4	LMS041A
		56	0.5÷3.5	LMS041B
		56	3.6÷11	LMS041C

### SPECIFICHE TECNICHE:

- Corpo e testa in AISI 316 - molla AISI 302/EN 1.4310
- Tenuta standard in EPDM - (VITON a richiesta)
- Pressione di apertura regolabile: 0.5 ÷ 16 bar
- Scarto di chiusura: ≤ 20%
- Temperatura di esercizio: -20°C / +150°C
- Filetto maschio GAS ISO 228-1

### TECHNICAL SPECIFICATIONS:

- Body and head in AISI 316 - spring AISI 302/EN 1.4310
- Standard seal in EPDM - (VITON on request)
- Opening pressure adjustable: 0.5 ÷ 16 bar
- Closure gap: ≤ 20%
- Working temperature: -20°C / +150°C
- Threads male ISO 228-1



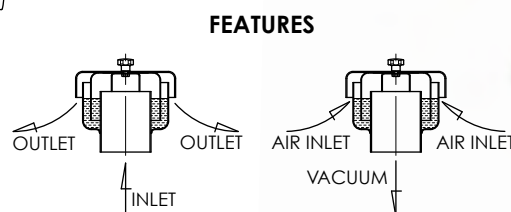
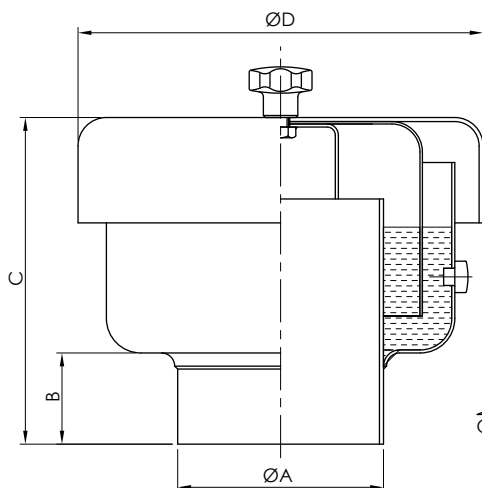
## Valvola di sfiato a doppio effetto a bagno d'olio enologico a saldare

Double action relief valve, straight neck to be welded  
Unter und Überdruckventil in Ölbad getaucht mit gerader Hals  
Soupape à double effet en inox en bain d'huile œnologique. Type à souder col droit  
Válvula de desaire de doble efecto en baño de aceite enológico. Cuello recto para soldar

AISI 304 - 316

art. 42

ART.	DN	A	B	C	D	PORTATA RANGE
42A6	60	60.3	45	165	170	50 m <sup>3</sup> /h
42A7	70	76.1	45	165	170	50 m <sup>3</sup> /h
42A8	80	88.9	45	170	220	100 m <sup>3</sup> /h
42A10	100	101.6	45	170	220	100 m <sup>3</sup> /h





## Valvola di sfiato a doppio effetto a bagno d'olio enologico, curva a 90°

art. 43

Double action relief valve with 90° elbow

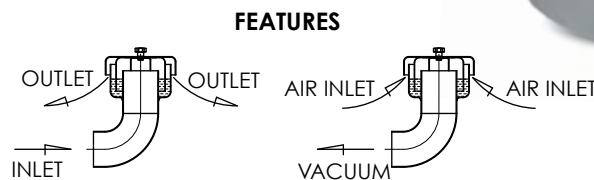
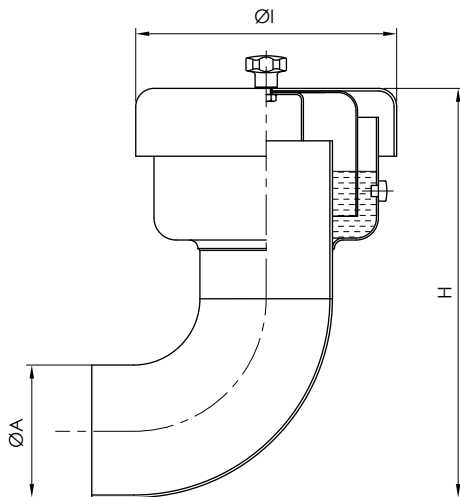
Unter und Überdruckventil in Ölbad getaucht mit 90° Bogen

Soupape à double effet en acier inox en bain d'huile oenologique coudée 90°

Válvula de desaire en baño de aceite enológico con codo 90°

AISI 304 - 316

ART.	DN	A	I	H	PORTATA RANGE
43A6	60	60,3	170	270	50 m <sup>3</sup> /h
43A7	70	76,1	170	290	50 m <sup>3</sup> /h
43A8	80	88,9	220	320	100 m <sup>3</sup> /h
43A10	100	101,6	220	320	100 m <sup>3</sup> /h



Ver. 04.18

## Valvola a doppio effetto adatta per tenuta azoto

art. 44A

Double action relief valve proper for nitrogen estate

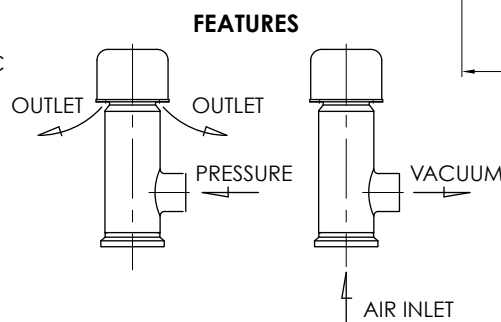
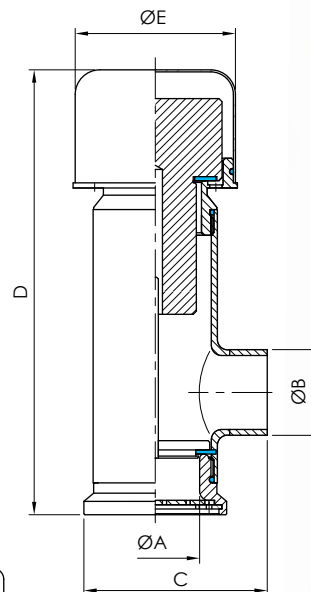
Unter und Überdruckventil, Stickstoffdicht

Soupape à double effet en inox apte à tenue azote

Válvula de desaire con tenido por nitrogeno

AISI 304 - 316

ART.	DN	A	B	C	D	E	PORTATA RANGE	TARATURA in bar SETTING in bar
44A1	40	54	42	100	213	80	20 m <sup>3</sup> /h	-0.002 / +0.04
44A2	50	54	50	100	213	80	30 m <sup>3</sup> /h	-0.002 / +0.04
44A3	80	83	85	135	290	110	50 m <sup>3</sup> /h	-0.002 / +0.04
44A4	100	104	104	145	320	125	80 m <sup>3</sup> /h	-0.002 / +0.04



### SPECIFICHE TECNICHE:

- Corpo e testa in AISI 304 - 316
- Tenuta in silicone
- Pressione di apertura: 0.04 bar
- Depressione di apertura: -0.002 bar
- Scarto di chiusura: ≤ 20%
- Temperatura di esercizio: -20°C / +80°C
- Connessioni: DIN/SMS/Clamp

### TECHNICAL SPECIFICATIONS:

- Body and head in AISI 304 - 316
- Seal in silicon
- Opening pressure: 0.04 bar
- Vacuum opening pressure: -0.002 bar
- Closure gap: ≤ 20%
- Working temperature: -20°C / +80°C
- Connections: DIN/SMS/Clamp

## Valvola rompivuoto

Vacuum valve spring loaded

Vakuumventil

Soupape de vide

Válvula de vacío

AISI 304 - 316L

 art. **44B**

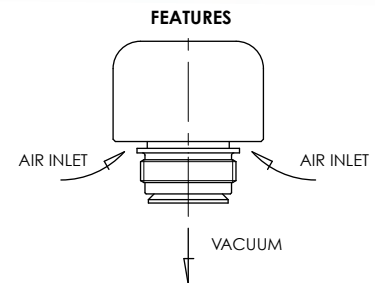
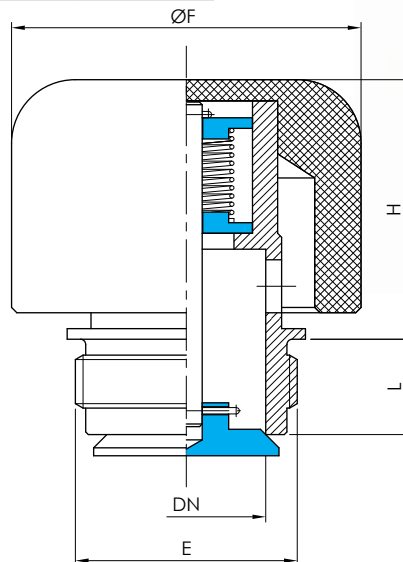
ART.	DN	L	H	E	F	PORTATA RANGE	TARATURA in bar SETTING in bar
44B1	1" ISO 228	15	52	33	59	20 m <sup>3</sup> /h	0.02
44B2	1 1/4" ISO 228	18	52	41.7	67	25 m <sup>3</sup> /h	0.02

### SPECIFICHE TECNICHE:

- Corpo in AISI 316
- Tenuta in PTFE
- Depressione di apertura: -0.02 bar
- Temperatura di esercizio: -50°C / +100°C
- Scarico di chiusura: ≤ 20%
- Filetto maschio GAS ISO 228-1

### TECHNICAL SPECIFICATIONS:

- Body in AISI 316
- Seal in PTFE
- Opening vacuum pressure: -0.02 bar
- Working temperature: -50°C / +100°C
- Closure gap: ≤ 20%
- Threads male ISO 228-1



Ver. 04.18

## Valvola a doppio effetto per serbatoi di stoccaggio

Pressure relief stainless steel valve

Unter und Überdruckventile

Soupape de compensation pression

Válvula compensadora de presion

corpo in inox - otturatori in pvc

stainless steel body - pvc obturator

Körper aus Edelstahl - Abschlußkörper aus pvc

corp inox - obturateur pvc

cuerpo inox - obturador pvc

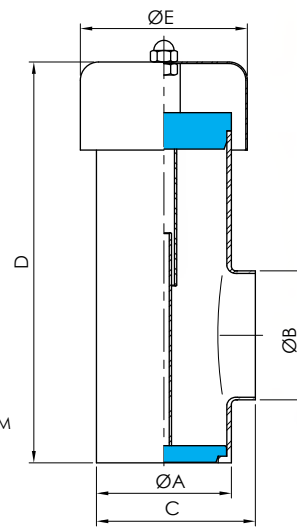
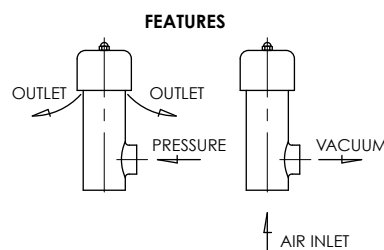
ART.	DN	A	B	C	D	E	PORTATA RANGE	TARATURA in bar SETTING in bar
44C4	40	60	42	80	177	80	20 m <sup>3</sup> /h	-0.001 / +0.001
44C5	50	60	48	80	177	80	30 m <sup>3</sup> /h	-0.001 / +0.001
44C8	80	89	86	95	235	110	50 m <sup>3</sup> /h	-0.001 / +0.001

### SPECIFICHE TECNICHE:

- Corpo e testa in AISI 304 - 316
- Tenuta in PDM
- Pressione di apertura: 0.001 bar
- Deressione di apertura: -0.001 bar
- Temperatura di esercizio: -20°C / +80°C
- Connessioni: DIN/SMS/Clamp

### TECHNICAL SPECIFICATIONS:

- Body and head in AISI 304 - 316
- Seal in rigid PDM
- Opening pressure: 0.001 bar
- Vacuum pressure: -0.001 bar
- Working temperature: -20°C / +80°C
- Connections: DIN/SMS/Clamp


 art. **44C**

## Valvola a doppio effetto regolabile

Adjustable double action relief valve  
Einstellbare Unter und Überdruckventile  
Soupape à double effet réglable  
Valvula de doble efecto ajustable

 art. **44E**

AISI 304 - 316

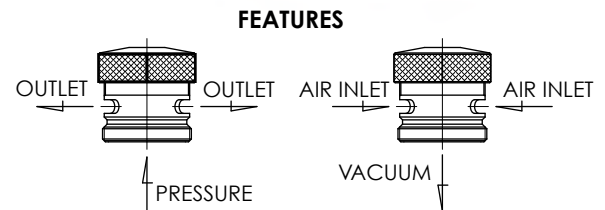
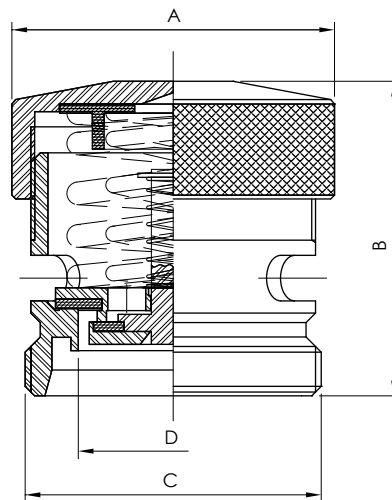
ART.	DN	A	B	C	D	Kg	PORTATA range
<b>44 E - 1</b>	40	80	92	65x1/6"	38	1.2	10 m <sup>3</sup> /h
<b>44 E - 2</b>	50	80	92	78x1/6"	50	1.4	15 m <sup>3</sup> /h
<b>44 E - 3</b>	80	128	180	110x1/6"	81	4.45	50 m <sup>3</sup> /h

### SPECIFICHE TECNICHE:

- Corpo in AISI 304 - 316
- Tenuta in EPDM
- Pressione di apertura: 0.1/2 - 0,5/6 bar
- Depressione di apertura: -0.04 bar
- Scarto di chiusura: ≤ 20%
- Temperatura di esercizio: -20°C / +80°C
- Filetto DIN 11851

### TECHNICAL SPECIFICATIONS:

- Body in AISI 304 - 316
- Seal in EPDM
- Opening pressure: 0.1/2 - 0,5/6 bar
- Vacuum pressure: -0.04 bar
- Closure gap: ≤ 20%
- Working temperature: -20°C / +80°C
- Male DIN 11851



Ver. 04.18

## Valvola per vuoto

Vacuum valve spring loaded  
Vakuumventil  
Soupape à vide  
Vàlvula de vacío

 art. **44F**

AISI 304 - 316

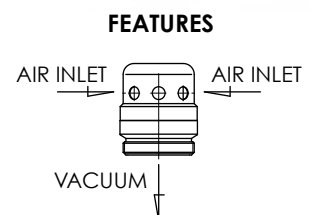
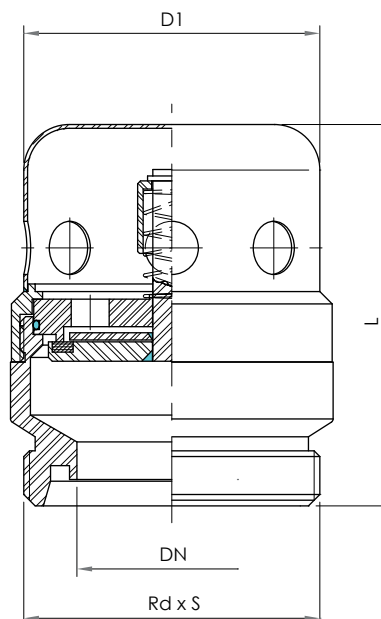
ART.	DN	D1	L	RdxS	Kg	PORTATA range
<b>44 F - 1</b>	50	80	95	78x1/6"	1.10	20 m <sup>3</sup> /h
<b>44 F - 2</b>	80	129	145	110x1/6"	3.35	50 m <sup>3</sup> /h

### SPECIFICHE TECNICHE:

- Corpo in AISI 304 - 316
- Tenuta in silicone
- Depressione di apertura: 0.015 bar
- Scarto di chiusura: ≤ 20%
- Temperatura di esercizio: -50°C / +100°C
- Filetto DIN 11851

### TECHNICAL SPECIFICATIONS:

- Body in AISI 304 - 316
- Seal in silicon
- Vacuum pressure: -0.015 bar
- Closure gap: ≤ 20%
- Working temperature -50°C / +100°C
- Male DIN 11851



## Valvola a doppio effetto

Double action relief valve

Unter und Überdruckventile

Soupape à double effet

Válvula de desaire de doble efecto

AISI 304 - 316L

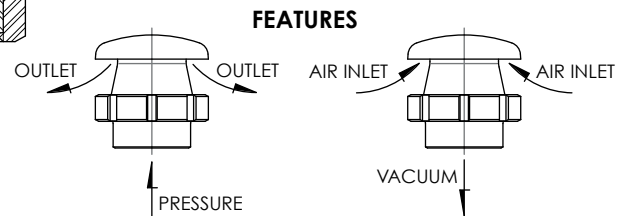
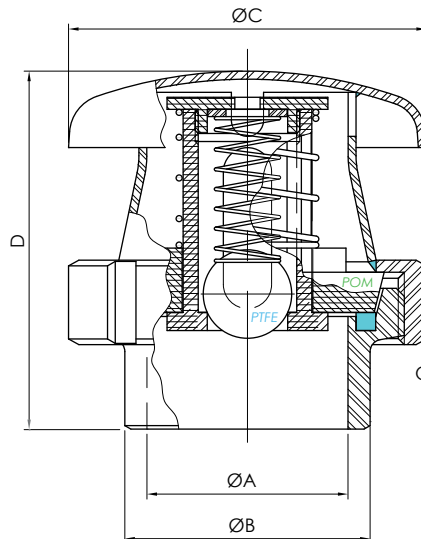
ART.	DN	A	B	C	D	PORTATA RANGE
<b>44 G</b>	50	50	61	89	93	20 m <sup>3</sup> /h
<b>44 G-1</b>	80	81	87	144	112	35 m <sup>3</sup> /h

### SPECIFICHE TECNICHE:

- Corpo in AISI 304 - 316
- Tenuta POM + PTFE
- Pressione di apertura: 0.001 bar
- Depressione di apertura: -0.001 bar
- Temperatura di esercizio -50°C / +80°C
- Filetto DIN 11851

### TECHNICAL SPECIFICATIONS:

- Body in AISI 304 - 316
- Seals POM + PTFE
- Opening pressure: 0.001 bar
- Vacuum pressure: -0.001 bar
- Working temperature -50°C / +80°C
- Male DIN 11851



Ver. 04.18

## Valvola regolabile per vuoto

Adjustable vacuum valve

Vakuumventil gewichtsbelastet

Soupape à vide réglable

Válvula de vacío ajustable

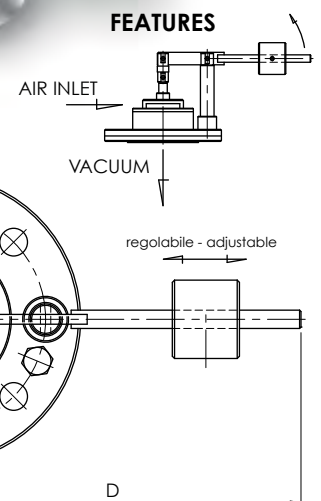
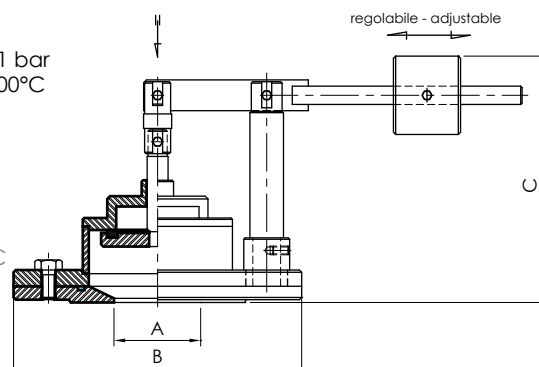
ART.	DN	A	B	C	D	PORTATA RANGE
<b>44 H - 1</b>	50	52	140	137	170	30 m <sup>3</sup> /h
<b>44 H - 2</b>	65	70	160	140	200	40 m <sup>3</sup> /h
<b>44 H - 3</b>	80	85	190	147	220	50 m <sup>3</sup> /h
<b>44 H - 4</b>	100	104	210	149	255	60 m <sup>3</sup> /h
<b>44 H - 5</b>	125	129	235	158	265	75 m <sup>3</sup> /h
<b>44 H - 6</b>	150	154	270	163	300	100 m <sup>3</sup> /h

### SPECIFICHE TECNICHE:

- Corpo in AISI 316
- Tenuta in EPDM
- Scarto di chiusura: ≤ 20%
- Depressione di apertura: -0.001 / -0.1 bar
- Temperatura di esercizio: -50°C / +100°C

### TECHNICAL SPECIFICATIONS:

- Body in AISI 316
- Seal in EPDM
- Closure gap: ≤ 20%
- Vacuum pressure: -0.001 / -0.1 bar
- Working temperature -50°C / +100°C



## Valvola a doppio effetto in PVC DN 50 con raccordo DIN in acciaio inox

art. 45

Pressure relief PVC valve DN 50 with stainless steel DIN male

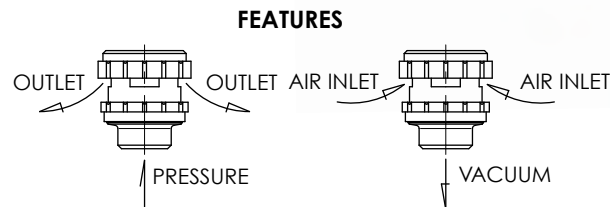
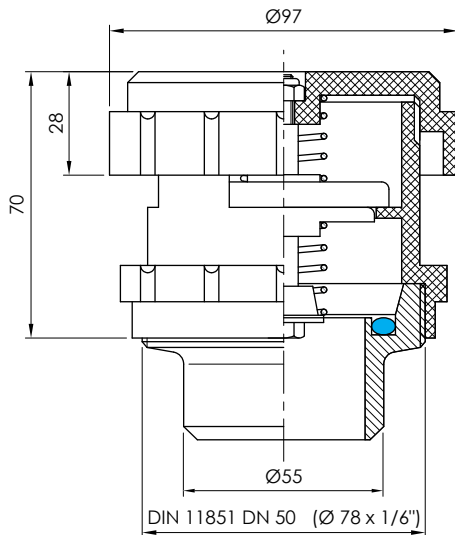
PVC Unter und Überdruckventile NW 50 mit Edelstahl DIN Gewindestutzen

Soupape de compensation pression PVC DN 50 avec nez fileté DIN

Válvula de desaire PVC DN 50 con macho DIN en acero inoxidable

ART.	DN	PORTATA RANGE
45	50	30 m <sup>3</sup> /h

- Pressure: +0.002  
- Vacuum: -0.002



Ver. 04.18

## Valvola in polyetilene a doppio effetto

art. 46A

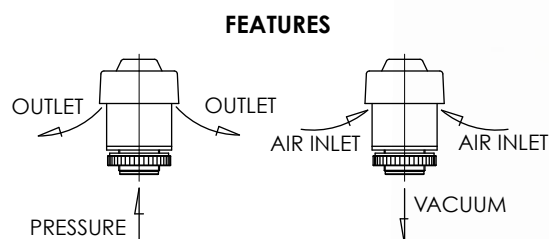
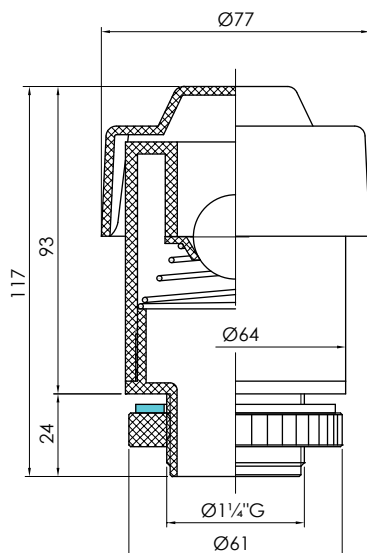
Pressure relief valve in polyethylene

Polyäthylen Unter und Überdruckventile

Soupape de compensation pression entièrement en polyéthylène

Válvula compensadora de presión en polietileno

ART.	DN	PORTATA RANGE
46A	40	50 m <sup>3</sup> /h



## Valvola in polyetilene a doppio effetto

Pressure relief valve in polyethylene

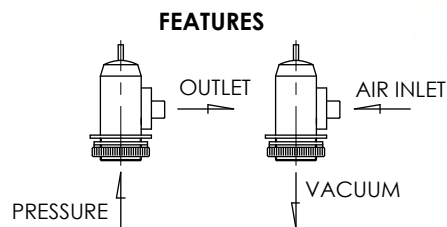
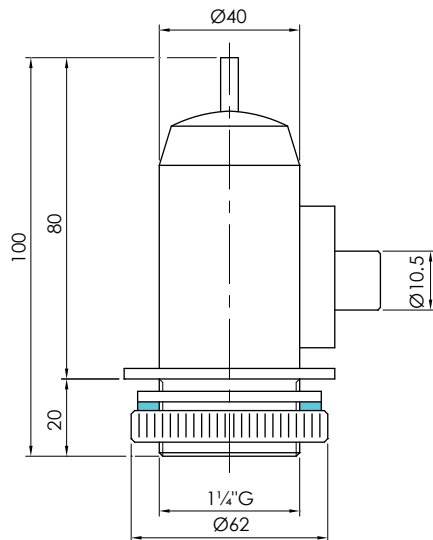
Polyäthylen Unter und Überdruckventile

Soupape de compensation pression entièrement en polyéthylène

Válvula compensadora de presión en polietileno

 art. **46B**

ART.	DN	PORTATA RANGE
<b>46B</b>	32	30 m <sup>3</sup> /h



Ver. 04.18

## Valvola in polyetilene a doppio effetto

Pressure relief valve in polyethylene

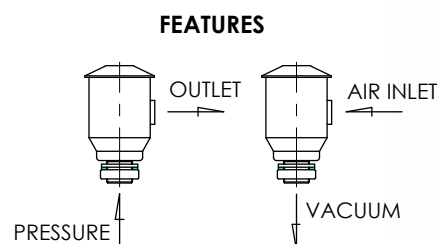
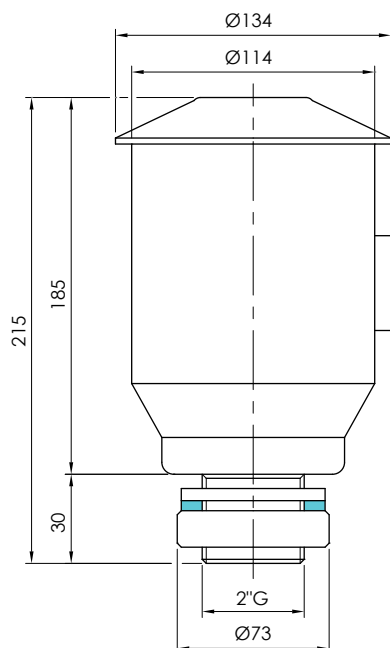
Polyäthylen Unter und Überdruckventile

Soupape de compensation pression entièrement en polyéthylène

Válvula compensadora de presión en polietileno

 art. **46E**

ART.	DN	PORTATA RANGE
<b>46E</b>	50	80 m <sup>3</sup> /h



## Valvola di ritegno a saldare

Welded Check valve  
Rückschlagventil S/S  
Clapet anti-rétour à souder  
Vàlvula de retencion S/S

 art. **46G**

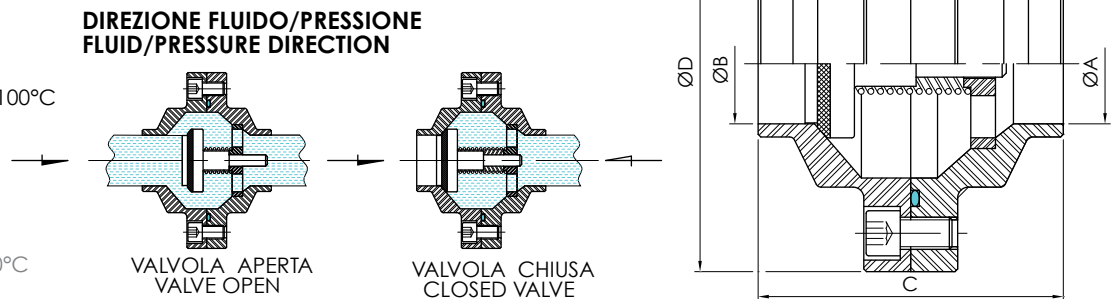
ART.	DN	A	B	C	D
46 G - 1	25	26	26	64	87
46 G - 2	32	32	32	66	93
46 G - 3	40	38	38	72	98
46 G - 4	50	50	50	72	111
46 G - 5	65	66	66	80	128
46 G - 6	80	81	81	100	143
46 G - 7	100	100	100	104	164

### SPECIFICHE TECNICHE:

- Corpo in AISI 316 - AISI 304
- Tenuta in EPDM
- Pressione di apertura 0.2 bar
- Pressione max di esercizio 10 bar
- Temperatura di esercizio -50°C / +100°C

### TECHNICAL SPECIFICATIONS:

- Body in AISI 316 - AISI 304
- Seal in EPDM
- Opening pressure 0.2 bar
- Max working pressure 10 bar
- Working temperature -50°C / +100°C



Ver. 04.18

## Valvola di ritegno a saldare/Fem. DIN 11851

Welded/Threaded Check valve  
Rückschlagventil S/G  
Clapet anti-rétour soud./nez fil. DIN  
Vàlvula de retencion S/M

 art. **46H**

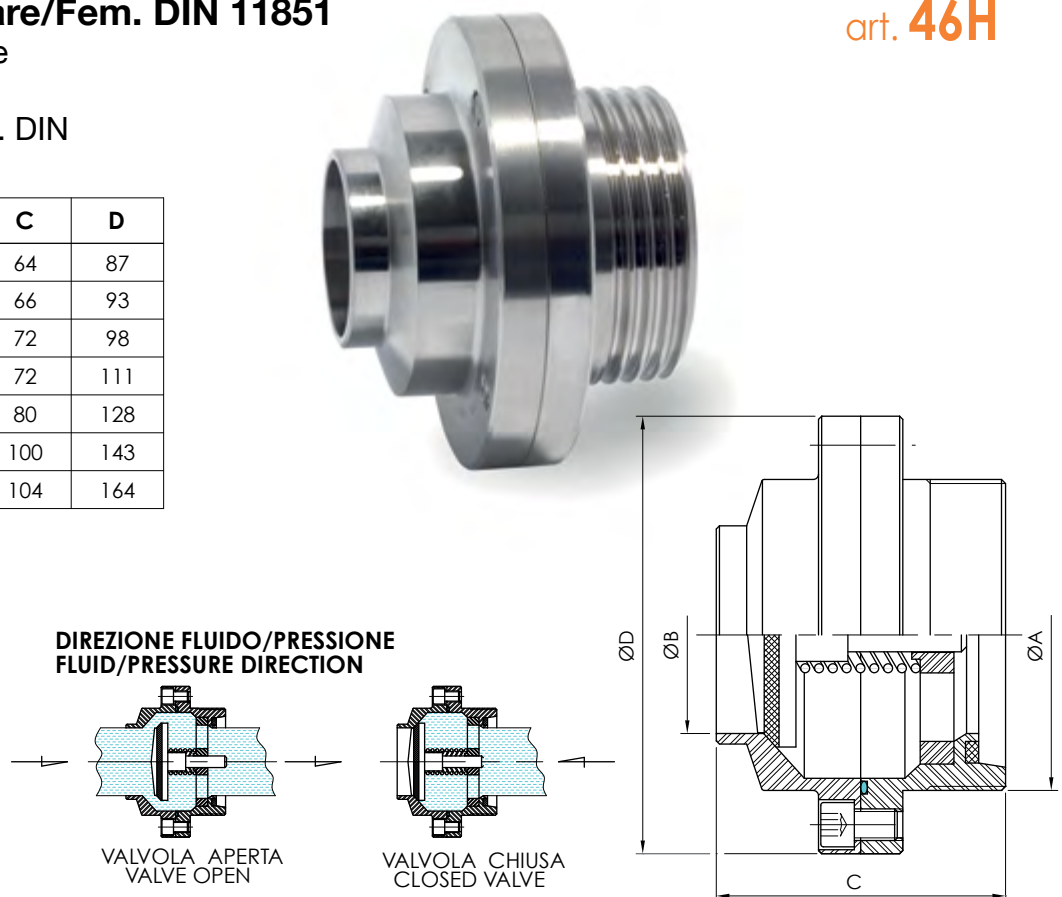
ART.	DN	A	B	C	D
46 H - 1	25	52x1/6"	26	64	87
46 H - 2	32	58x1/6"	32	66	93
46 H - 3	40	65x1/6"	38	72	98
46 H - 4	50	78x1/6"	50	72	111
46 H - 5	65	95x1/6"	66	80	128
46 H - 6	80	110x1/4"	81	100	143
46 H - 7	100	130x1/4"	100	104	164

### SPECIFICHE TECNICHE:

- Corpo in AISI 316 - AISI 304
- Tenuta in EPDM
- Pressione di apertura 0.2 bar
- Pressione max di esercizio 10 bar
- Temperatura di esercizio -50°C / +100°C

### TECHNICAL SPECIFICATIONS:

- Body in AISI 316 - AISI 304
- Seal in EPDM
- Opening pressure 0.2 bar
- Max working pressure 10 bar
- Working temperature -50°C / +100°C



## Valvola di ritegno Fem/Fem. DIN 11851

Threaded Check valve

Rückschlagventil G/G

Clapet anti-rétour nez fil./nez fil. DIN

Válvula de retencion M/M

art. 46L

AISI 304 - 316

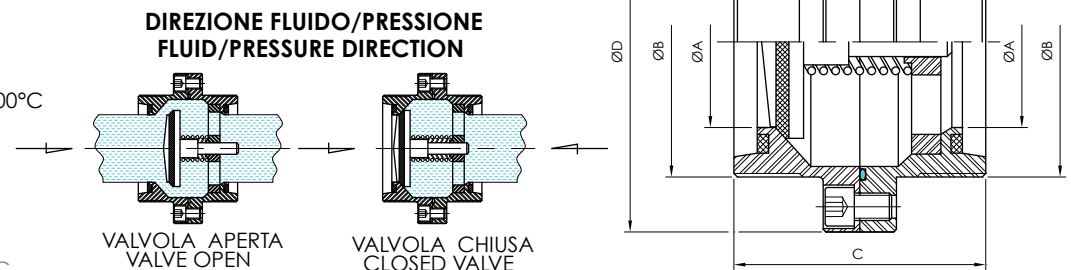
ART.	DN	A	B	C	D
46 L - 1	25	52x1/6"	26	64	87
46 L - 2	32	58x1/6"	32	66	93
46 L - 3	40	65x1/6"	38	72	98
46 L - 4	50	78x1/6"	50	72	111
46 L - 5	65	95x1/6"	66	80	128
46 L - 6	80	110x1/4"	81	100	143
46 L - 7	100	130x1/4"	100	104	164

### SPECIFICHE TECNICHE:

- Corpo in AISI 316 - AISI 304
- Tenuta in EPDM
- Pressione di apertura 0.2 bar
- Pressione max di esercizio 10 bar
- Temperatura di esercizio -50°C / +100°C

### TECHNICAL SPECIFICATIONS:

- Body in AISI 316 - AISI 304
- Seal in EPDM
- Opening pressure 0.2 bar
- Max working pressure 10 bar
- Working temperature -50°C / +100°C



Ver. 04.18

## Valvola di ritegno con attacchi gas

Non return valve ISO threaded ends

Rückschlagventile IG GAS

Clapet anti retour fileté gaz

Válvula de retencion extremidades gas

art. 46U

AISI 304 - 316

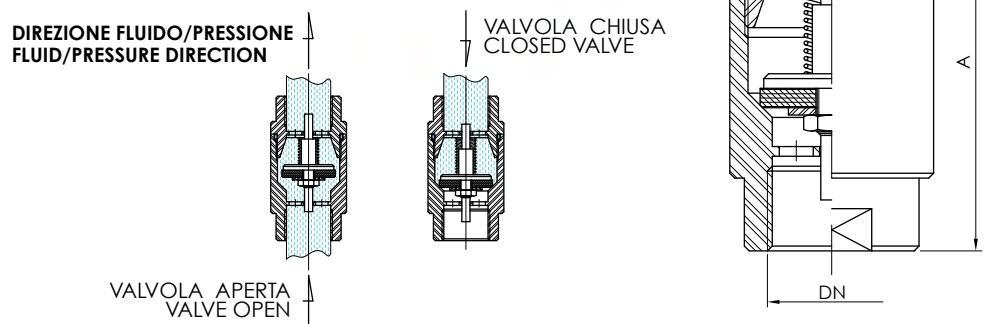
DN	A	B
1/2"	80	35
3/4"	80	39
1"	85	44
1 1/4"	87	55
1 1/2"	95	55
2"	105	75
2 1/2"	125	90

### SPECIFICHE TECNICHE:

- Corpo e testa in AISI 316
- Tenuta in PTFE
- Pressione di apertura 0.005 bar
- Pressione max di esercizio 40 bar
- Temperatura di esercizio -20°C / +150°C
- Filetti femmina Gas ISO 228-1

### TECHNICAL SPECIFICATIONS:

- Body and head in AISI 316
- Seal in PTFE
- Opening pressure 0.005 bar
- Max working pressure 40 bar
- Working temperature -20°C / +150°C
- Threads Female ISO 228-1





## Valvola pneumatica a manicotto

### Pneumatic pinch valve

 art. **46P**

AISI 304 - 316

DN	A	B	C	D	E	F	MX
100	300	12	8	100	180	220	M16
125	340	12	8	125	210	250	M16

#### CARATTERISTICHE TECNICHE:

- FLANGE PN 10 CON FORATURE FILETTATE
- PARTI METALLICHE DI CONTATTO IN AISI 304 - 316
- MANICOTTO IN ELASTOMERO RINFORZATO
- MASSIMA PRESSIONE DI ESERCIZIO FLUIDO INTERNO 6 bar
- PRESSIONE DI CONTROLLO DIFFERENZIALE +3,5 bar
- CONNESSIONI : Flangia / Garolla / DIN 11851 / Clamp

#### VANTAGGI FONDAMENTALI:

- SEZIONE DI PASSAGGIO INTEGRALE
- NESSUNA USURA NELLE PARTI METALLICHE
- MANUTENZIONE LIMITATA
- PESO BASSO
- BASSO CONSUMO D'ARIA

#### TECHNICAL FEATURES:

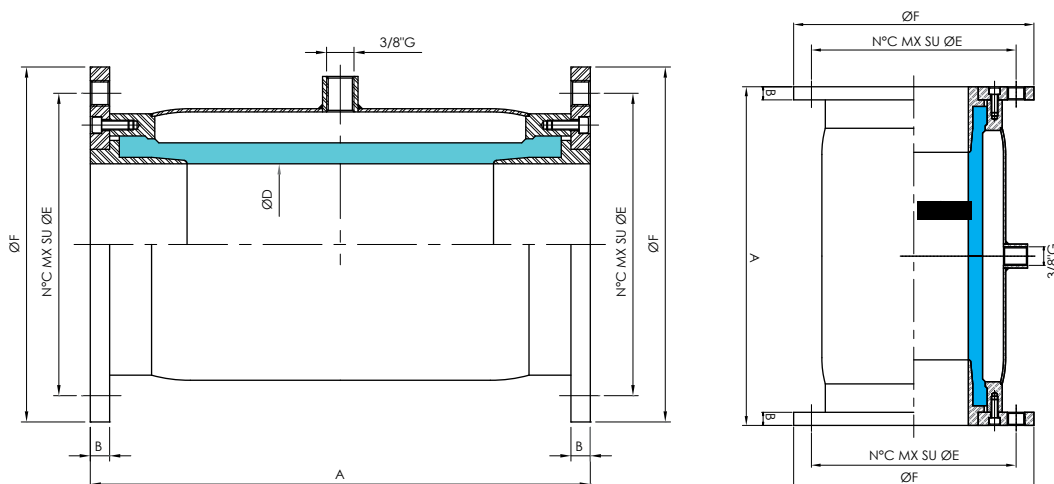
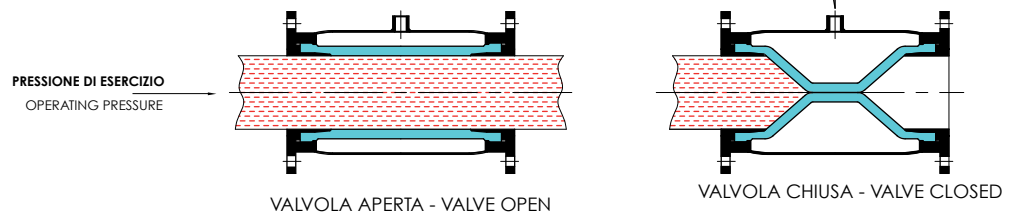
- FLANGES PN 10 STANDARD WITH THREADED HOLES
- STEEL CONTACT PARTS IN AISI 304 - 316
- REINFORCED ELASTOMER SLEEVE
- MAXIMUM INTERNAL FLUID PRESSURE 6 bar
- MAXIMUM DIFFERENTIAL CONTROL PRESSURE +3,5 bar
- CONNECTIONS : Flange / Garolla / DIN 11851 / Clamp

#### ADVANTAGES:

- FREE PASSAGE
- NO WEAR OF METAL PARTS
- REDUCED MAINTENANCE
- LOW WEIGHT
- LOW AIR CONSUMPTION



LA PRESSIONE DELL'ARIA CHIUDE LA VALVOLA  
AIR PRESSURE VALVE CLOSED



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