

Technical Datasheet



ABS Spring check valves CV
ABS Valvole di ritegno a molla CV

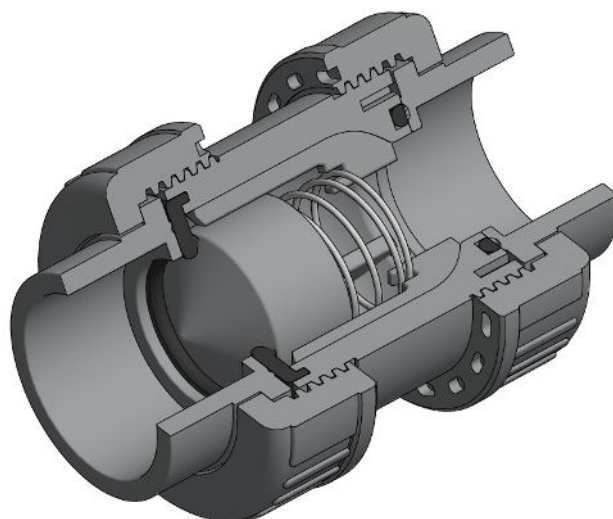
ABS Spring check valves CV

ABS Valvole di ritegno a molla CV

ABS spring check valve CV is ideal for use in applications that require precise closure and noiseless movement and it is suitable for low temperature fluid transportation.

Le valvole di non ritorno a molla serie CV in ABS sono ideali per applicazioni che richiedono una chiusura precisa e movimenti silenziosi e sono adatte per il trasporto di fluidi a bassa temperatura.

- Suitable for conducting clean liquids, not viscous and without containing particles.
Adatta per la conduzione di fluidi puliti, non viscosi e privi di particelle in sospensione.
- Suitable for vertical and horizontal installation.
Adatta per installazione orizzontale e verticale.
- Stainless Steel spring; PTFE coated spring on request.
Molla in acciaio inox e, su richiesta, con rivestimento in PTFE.
- EPDM or FKM seals available.
Disponibile con guarnizioni in EPDM o FKM.



TECHNICAL FEATURES / CARATTERISTICHE TECNICHE

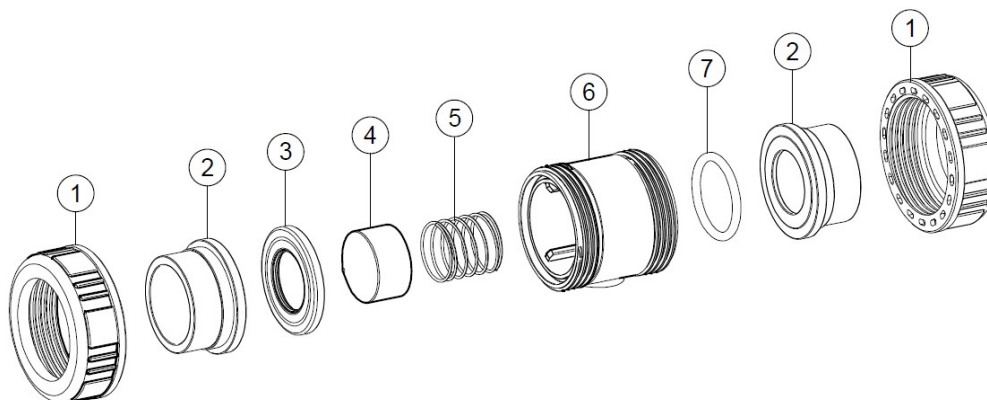
DIMENSIONS / DIMENSIONI	DN 15 ÷ DN 50
NOMINAL PRESSURE / PRESSIONE NOMINALE	PN 16 (20°C)
VALVE MATERIAL / MATERIALE VALVOLA	ABS
SEALS MATERIAL / MATERIALE GUARNIZIONI	EPDM; FKM
SPRING MATERIAL / MATERIALE MOLLA	Stainless steel; PTFE coated (on request) / Acciaio Inox; Rivestita PTFE (a richiesta)
TEMPERATURE RANGE / TEMPERATURA	-40°C ÷ 60°C
COUPLING STANDARDS / GIUNZIONI	• BS socket ends for solvent cementing / Manicotti per incollaggio BS

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Components

Componenti



n.	COMPONENT	MATERIAL	Qty
1	Nut / Ghiera	ABS	2
2	Socket end / Manicotto	ABS	2
3	Seat / Guarnizione	EPDM / FKM	1
4	Obturator / Otturatore	ABS	1
5	Spring / Molla	SS AISI 302 stearate / PTFE coated*	1
6	Body / Corpo	ABS	1
7	Socket end O-ring / O-ring manicotto	EPDM / FKM	1

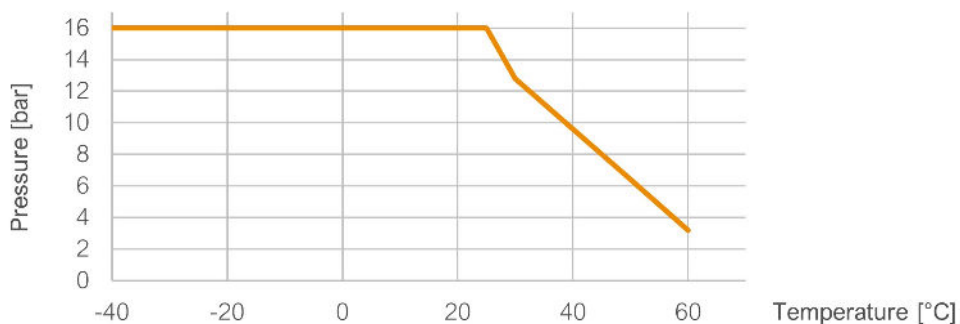
*) On request / A richiesta

Operating pressure

Maximum operating pressure depends on operating temperature, as shown in graph. For water and fluids for which the material is classified as chemically resistant. In other cases, a reduction of the nominal pressure PN is required.

Pressione di esercizio

La pressione massima di esercizio dipende dalla temperatura di esercizio, come mostrato nel grafico. Per acqua e fluidi per i quali il materiale è classificato come chimicamente resistente. In altri casi, è necessaria una riduzione della pressione nominale PN.

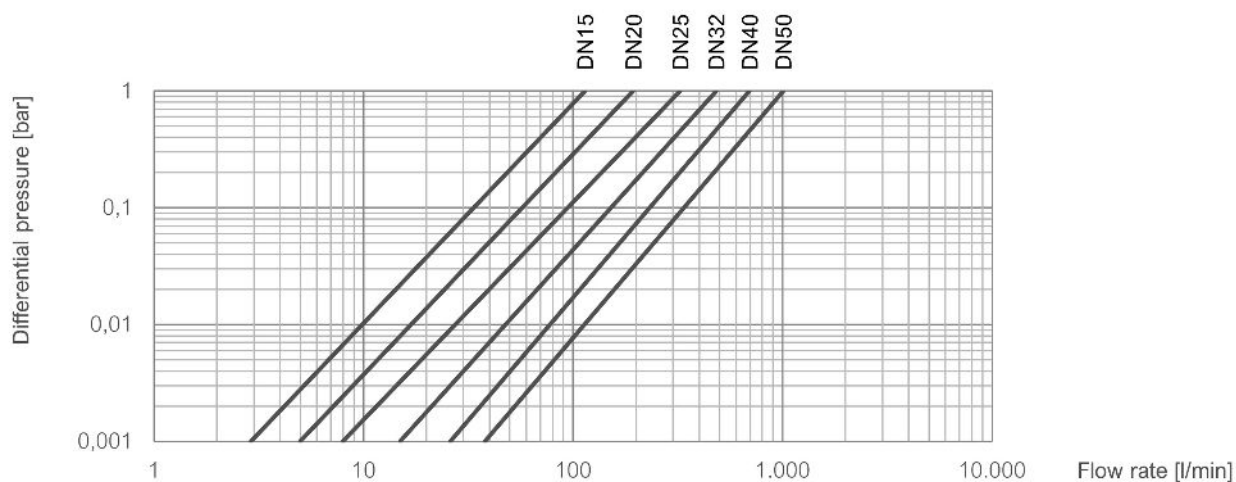


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Pressure loss

Perdite di carico



Flow rate coefficient Kv100

At $\Delta p = 1$ bar. Kv100 flow coefficient is the flow rate of water at 20°C that will generate 1 bar pressure drop. The Kv100 values in the table are calculated for the valve completely open.

Coefficiente di flusso Kv100

Per $\Delta p = 1$ bar. Il coefficiente di flusso Kv 100 è la portata dell'acqua a 20° che genera una caduta di pressione di 1 bar. I valori di Kv100 riportati in tabella sono calcolati per la valvola completamente aperta.

DN	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50
d	20mm 1/2"	25mm 3/4"	32mm 1"	40mm 1-1/4"	50mm 1-1/2"	63mm 2"
Kv100 (l/min)	114	194	325	482	696	1007

Minimum valve sealing pressure

Pressione minima di tenuta della valvola

DN	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50
d	20mm 1/2"	25mm 3/4"	32mm 1"	40mm 1-1/4"	50mm 1-1/2"	63mm 2"
bar	0.08	0.08	0.08	0.08	0.08	0.08

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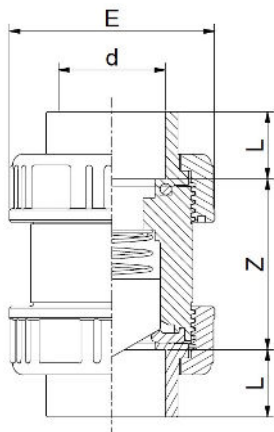
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Dimensions

BS socket ends for solvent cementing

Dimensioni

Manicotti BS per incollaggio



Stainless steel spring / Molla in acciaio inox

Code EPDM	Code FKM	d	DN	L	Z	E	PN	Weight (g)
CAACVA0200	CAACVA020V	1/2"	15	16	48	49	16	110
CAACVA0250	CAACVA025V	3/4"	20	19	54	60	16	180
CAACVA0320	CAACVA032V	1"	25	22	62	69	16	250
CAACVA0400	CAACVA040V	1"1/4	32	26	69	80	16	380
CAACVA0500	CAACVA050V	1"1/2	40	31	81	96	16	600
CAACVA0630	CAACVA063V	2"	50	39	94	116	16	1000

Dimensions in mm / Dimensioni in mm

PTFE coated spring / Molla rivestita in PTFE

Code EPDM	Code FKM	d	DN	L	Z	E	PN	Weight (g)
CAACVAT0200	CAACVAT020V	1/2"	15	16	48	49	16	110
CAACVAT0250	CAACVAT025V	3/4"	20	19	54	60	16	180
CAACVAT0320	CAACVAT032V	1"	25	22	62	69	16	250
CAACVAT0400	CAACVAT040V	1"1/4	32	26	69	80	16	380
CAACVAT0500	CAACVAT050V	1"1/2	40	31	81	96	16	600
CAACVAT0630	CAACVAT063V	2"	50	39	94	116	16	1000

Dimensions in mm / Dimensioni in mm



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