

PVC-U True union spring check valves CV

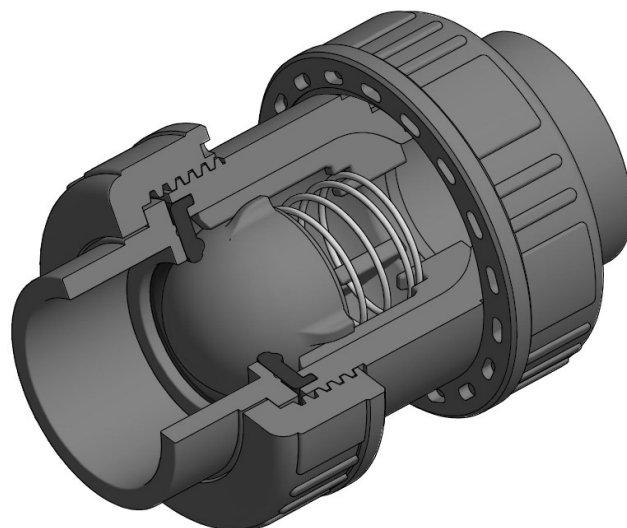
PVC-U Valvole di ritegno bighiera a molla CV

Rev. Aug 2021

EFFAST CV valve is a PVC-U spring check valve ideal for use in applications that require precise closure and noiseless movement. CV check valve is suitable for use in water treatment, SPAs and pools.

Le valvole EFFAST serie CV sono valvole di ritegno a molla in PVC-U, ideali per applicazioni che richiedono una chiusura precisa e movimenti silenziosi. Le valvole di non ritorno CV sono adatte per utilizzo nei settori del trattamento acque, delle SPA e delle piscine.

- 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.
- Transparent PVC body available, for easier inspection of the plant.
Disponibile con corpo trasparente, per una più facile ispezione dell'impianto.
- Marine Application Certificate.
Certificata per applicazioni navali.



TECHNICAL FEATURES / CARATTERISTICHE TECNICHE

NOMINAL PRESSURE / PRESSIONE NOMINALE	DN 15-65, d.16-90 mm (1/2"-4"): PN 16 DN 80, d.100: PN 10
DIMENSIONS / DIMENSIONI	DN 15 ÷ DN 80 (d.16 ÷ 110 mm – 1/2" ÷ 4")
VALVE MATERIAL / MATERIALE VALVOLA	PVC-U
SEALS MATERIAL / MATERIALE GUARNIZIONI	O-rings: EPDM or FKM / O-ring. EPDM o FKM
SPRING MATERIAL / MATERIALE DELLE MOLLA	Stainless steel. PTFE coated on request. / Acciaio Inox. A richiesta, rivestita PTFE
TEMPERATURE RANGE / TEMPERATURA	0°C ÷ 60°C
COUPLING STANDARDS / GIUNZIONI	Solvent welded sockets: metric, BS / Manicotti incollaggio: metrici, BS Threaded sockets: BSPP / Manicotti filettati BSPP On request: JIS or ASTM solvent welded sockets, NPT threaded sockets / A richiesta: manicotti per incollaggio JIS e ASTM, manicotti filettati NPT



Certifications and approvals: only for items declared on Official Listing or certificates. / Certificazioni: solo per gli articoli dichiarati nelle Official Listing o nei certificati stessi.

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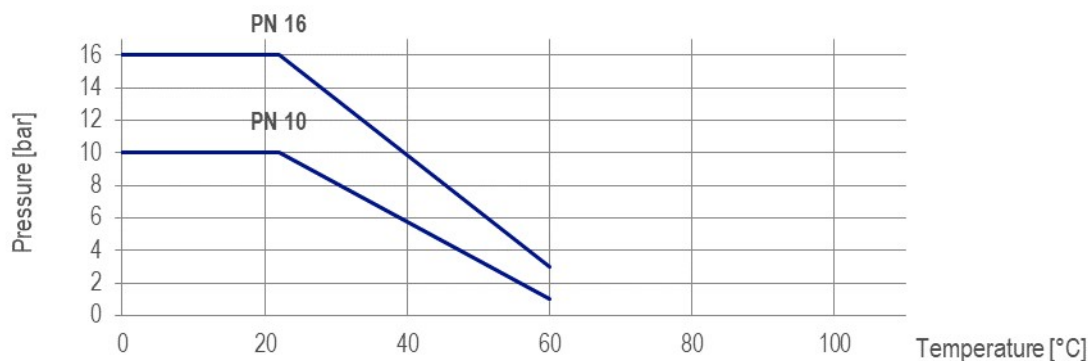
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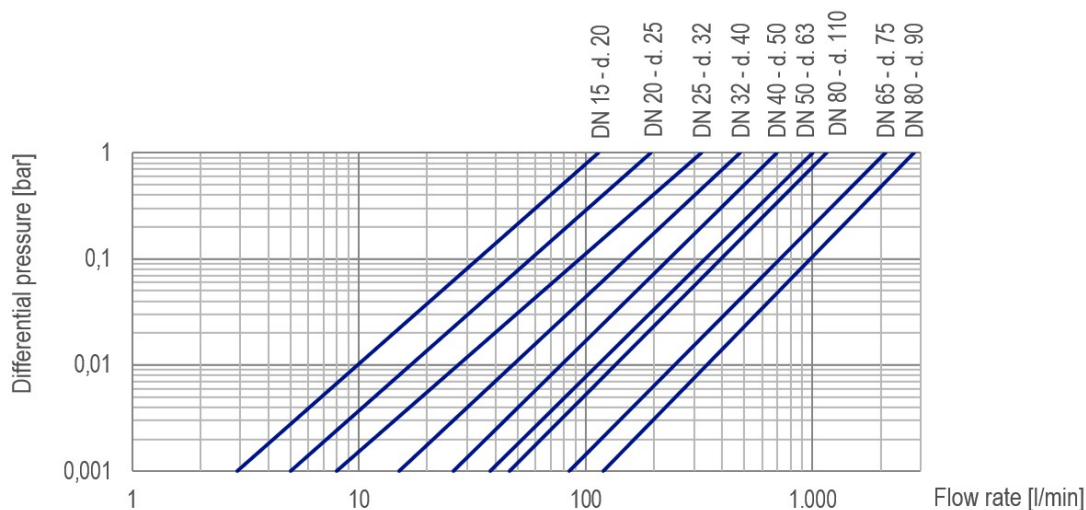
Operating pressure / Pressione di esercizio

Maximum operating pressure for PVC-U: according to temperature as shown in graph.

Massima pressione di esercizio per il PVC-U: secondo quanto indicato nel grafico in figura.



Pressure loss / Perdite di carico



Flow rate coefficient Kv100 / Coefficiente di flusso 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.

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	DN 65	DN 80	DN 80
D (mm)	16 - 20	25	32	40	50	63	75	90	110
D (in)	3/8 - 1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
l/min	114	194	325	482	696	1007	2100	2800	1160

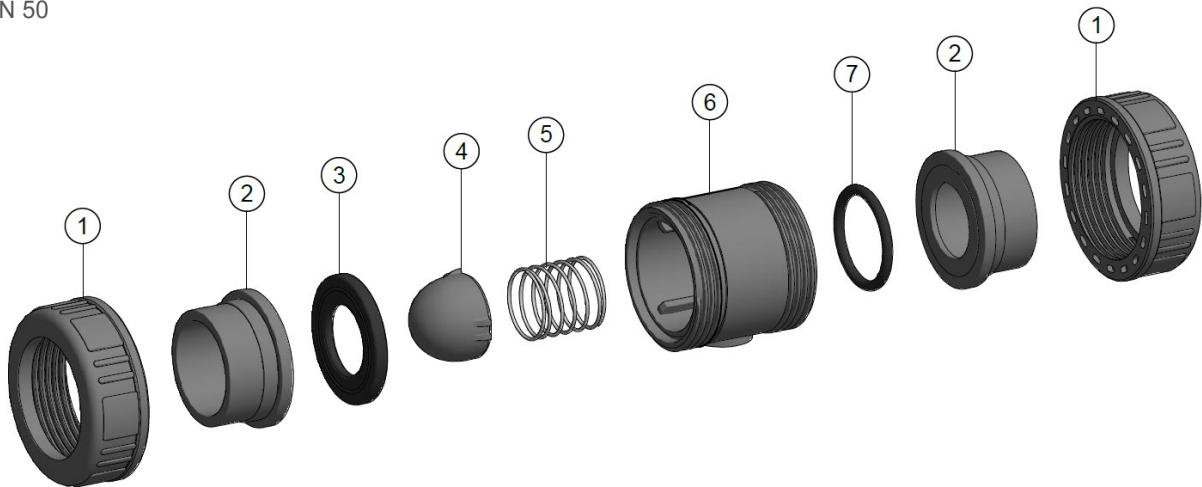
Minimum valve sealing pressure / Pressione minima di tenuta della valvola

DN	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 80
D (mm)	16 - 20	25	32	40	50	63	75	90	110
D (in)	3/8 - 1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
bar	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.1

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Components / Componenti

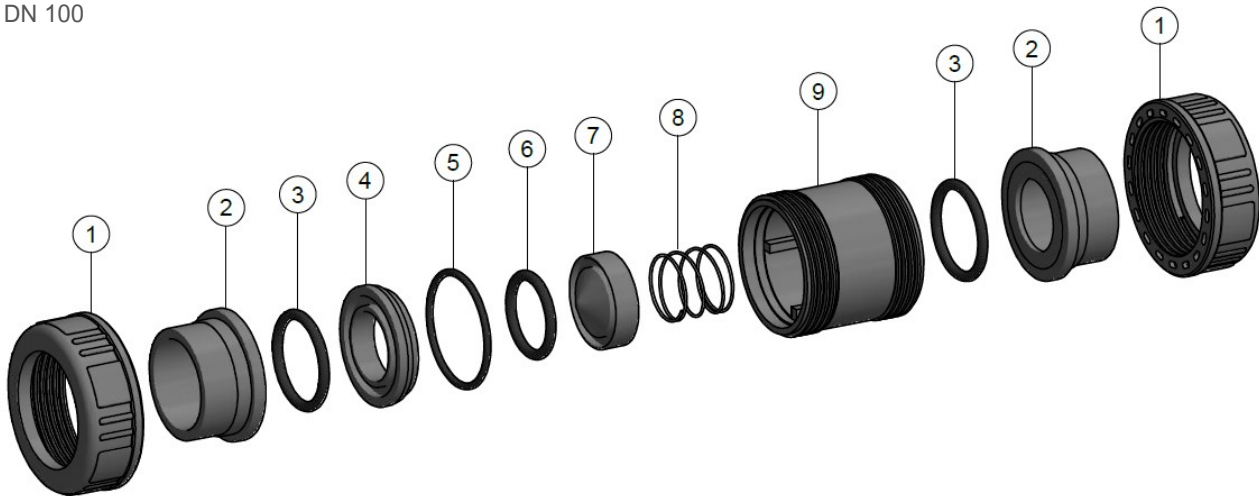
DN 15 - DN 50



n.	COMPONENT	MATERIAL	Qty
1	Nut / Ghiera	PVC-U	2
2	Socket / Manicotto	PVC-U	2
3	Gasket / Guarnizione	EPDM/FKM	1
4	Plunger / Otturatore	PVC-U	1

1) On request, PTFE coaten / A richiesta, rivestita PTFE

DN 65 - DN 100



n.	COMPONENT	MATERIAL	Qty
1	Nut / Ghiera	PVC-U	2
2	Socket / Manicotto	PVC-U	2
3	Socket O-ring / O-ring manicotto	EPDM/FKM	2
4	Gasket carrier / Supporto guarnizioni	PVC-U	1
5	Body O-ring / O-ring corpo	EPDM/FKM	1

n.	COMPONENT	MATERIAL	Qty
6	Plunger O-ring / O-ring otturatore	EPDM/FKM	1
7	Plunger / Otturatore	PVC-U	1
8	Spring / Molla	SS or PTFE coated	1
9	Body / Corpo	PVC-U	1

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