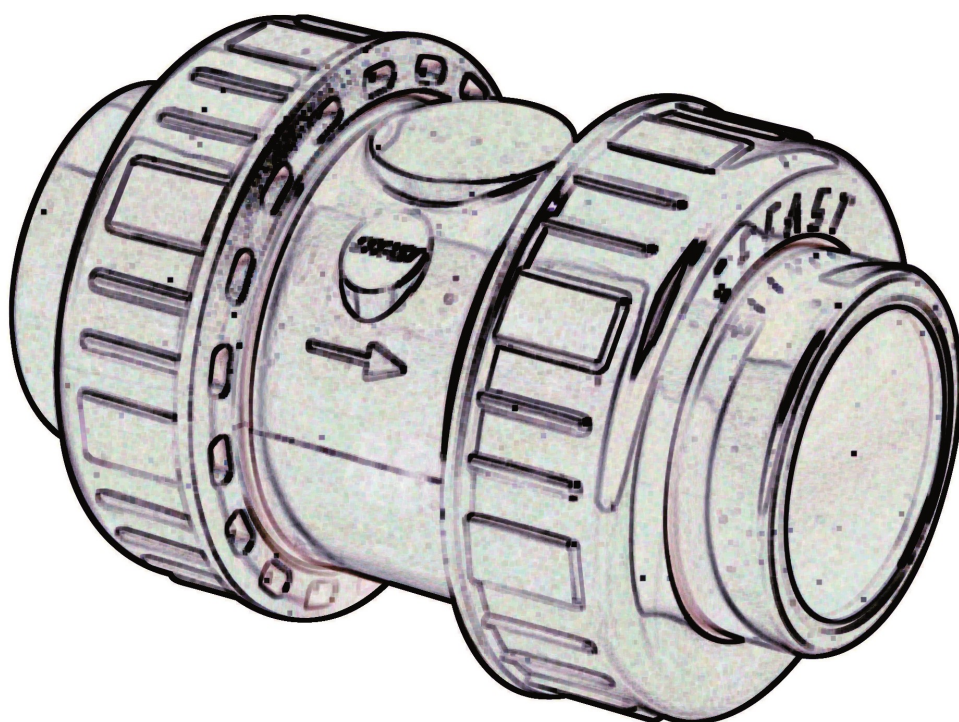




PVC-U Ball check valves
PVC-U Valvole di ritegno a sfera

PVC-U True union ball check valves CB

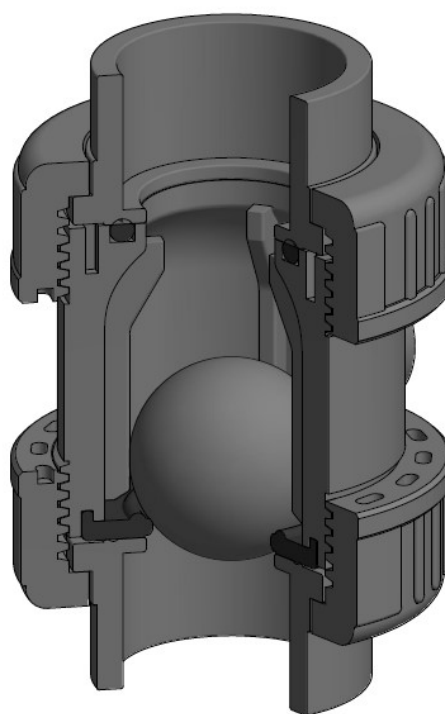
PVC-U Valvole di ritegno bighiera a sfera CB

Rev. Feb 2021

CB valve is a PVC-u ball check valve ideal for use in applications that require precise closure and for conveying dirty fluids, even with suspended solids and filaments. CB check valve is suitable for use in water treatment, SPAs and pools.

Le valvole CB sono valvole di ritegno a sfera in PVC-u, ideali per applicazioni che richiedono una chiusura precisa e convogliamento di fluidi sporchi anche con solidi o filamenti in sospensione. Le valvole di non ritorno CB sono adatte per utilizzo nei settori del trattamento acque, delle SPA e delle piscine.

- Suitable for vertical installation.
Adatta per installazione verticale.
- High-surface finish machined ball.
Sfera in PVC lavorata ad alta finitura superficiale.
- EPDM or FKM seals available.
Disponibile con guarnizioni in EPDM o FKM.
- Marine Application Certificate.
Certificata per applicazioni navali.



TECHNICAL FEATURES / CARATTERISTICHE TECNICHE

NOMINAL PRESSURE / PRESSIONE NOMINALE	PN 16 (20°C)
DIMENSIONS / DIMENSIONI	DN 15 ÷ DN 50 (d.16 ÷ 63 mm – 1/2" ÷ 2")
VALVE MATERIAL / MATERIALE VALVOLA	PVC-U
SEALS MATERIAL / MATERIALE GUARNIZIONI	O-rings: EPDM or FKM / O-ring: EPDM o FKM
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.

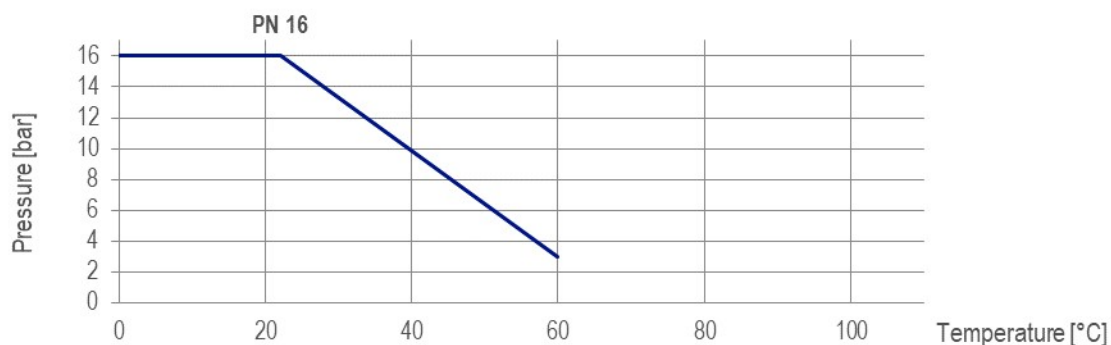
PVC-U True union ball check valves CB

PVC-U Valvole di ritegno bighiera a sfera CB

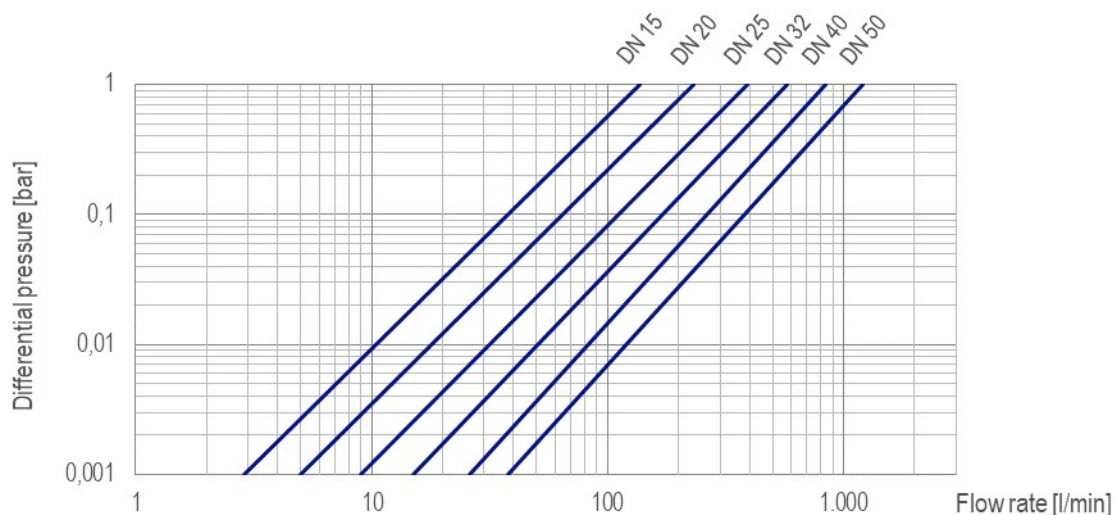
Operating pressure / Pressione di esercizio

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.

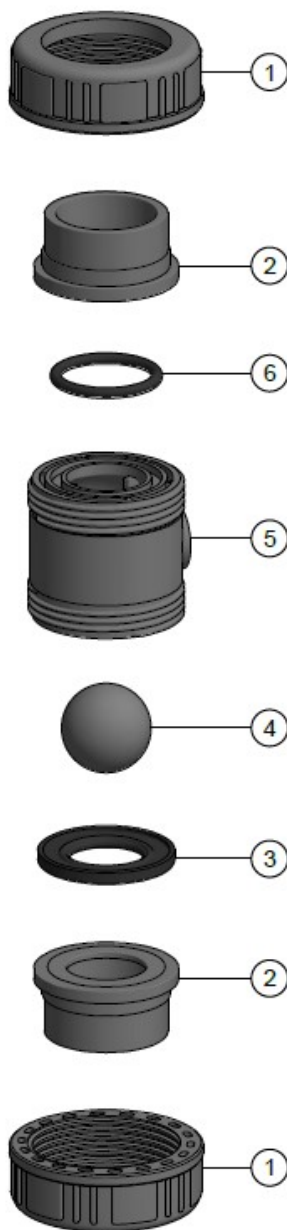
DN	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50
l/min	137	232	390	579	835	1209

Minimum valve sealing pressure / Pressione minima di tenuta della valvola

DN	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50
bar	0.2	0.2	0.2	0.2	0.2	0.2

PVC-U True union ball check valves CB
PVC-U Valvole di ritegno bighiera a sfera CB

Components / Componenti



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

n.	COMPONENT	MATERIAL	Qty
4	Ball / Sfera	PVC-U	1
5	Body / Corpo	PVC-U	1
6	Socket O-ring / O-ring manicotto	EPDM/FKM	1

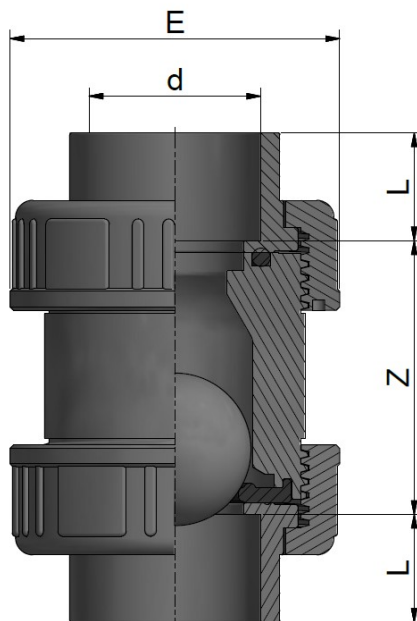
PVC-U True union ball check valves CB
PVC-U Valvole di ritegno bighiera a sfera CB



METRIC SOLVENT WELDED SOCKETS
MANICOTTI METRICI PER INCOLLAGGIO

Rev. Oct 2020

- Ball: PVCu / Sfera: PVCu
- Seals: EPDM or FKM / Guarnizioni: EPDM o FKM



Code EPDM	Code FKM	d	DN	L	Z	E	PN	Weight (g)
CDRCBD0200	CDRCBD020V	20	15	16	48	49	16	105
CDRCBD0250	CDRCBD025V	25	20	19	54	60	16	174
CDRCBD0320	CDRCBD032V	32	25	22	62	69	16	256
CDRCBD0400	CDRCBD040V	40	32	26	69	80	16	392
CDRCBD0500	CDRCBD050V	50	40	31	81	96	16	617
CDRCBD0630	CDRCBD063V	63	50	39	94	116	16	1079



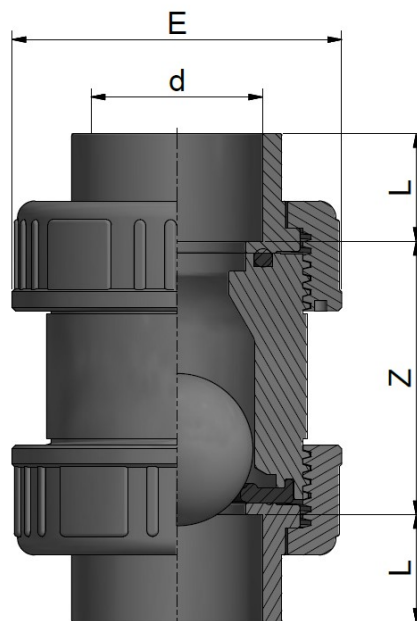
PVC-U True union ball check valves CB
PVC-U Valvole di ritegno bighiera a sfera CB



BS SOLVENT WELDED SOCKETS
MANICOTTI BS PER INCOLLAGGIO

Rev. Oct 2020

- Ball: PVCu / Sfera: PVCu
- Seals: EPDM or FKM / Guarnizioni: EPDM o FKM



Code EPDM	Code FKM	d	DN	L	Z	E	PN	Weight (g)
CARCBA0200	CARCBA020V	1/2"	15	16	48	49	16	105
CARCBA0250	CARCBA025V	3/4"	20	19	54	60	16	174
CARCBA0320	CARCBA032V	1"	25	22	62	69	16	256
CARCBA0400	CARCBA040V	1"1/4	32	26	69	80	16	392
CARCBA0500	CARCBA050V	1"1/2	40	31	81	96	16	617
CARCBA0630	CARCBA063V	2"	50	39	94	116	16	1079



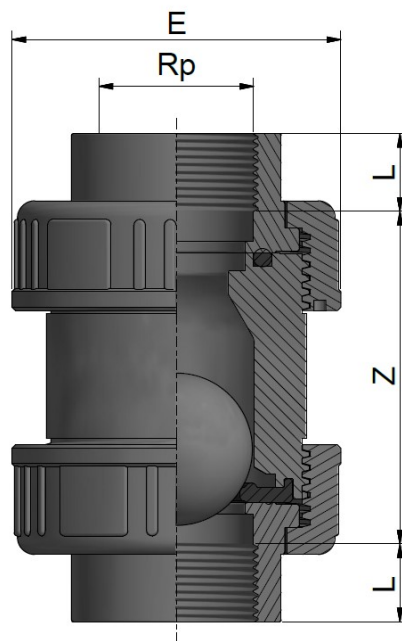
PVC-U True union ball check valves CB
PVC-U Valvole di ritegno bighiera a sfera CB



BSPP THREADED SOCKETS
MANICOTTI FILETTATI BSPP

- Thread according to ISO 228-1 / *Filettatura secondo ISO 228-1*
- Ball: PVCu / *Sfera: PVCu*
- Seals: EPDM or FKM / *Guarnizioni: EPDM o FKM*

Rev. Oct 2020



Code EPDM	Code FKM	d	DN	L	Z	E	PN	Weight (g)
CERCBE016A	CERCBE016V	3/8"	15	11,4	57,2	49	16	105
CERCBE020B	CERCBE020V	1/2"	15	15	50	49	16	105
CERCBE025C	CERCBE025V	3/4"	20	16,3	59,4	60	16	174
CERCBE032D	CERCBE032V	1"	25	19,5	67	69	16	256
CERCBE040E	CERCBE040V	1"1/4	32	21,4	78,2	80	16	392
CERCBE050F	CERCBE050V	1"1/2	40	21,4	87,2	96	16	617
CERCBE063G	CERCBE063V	2"	50	25,7	98,6	116	16	1079



All descriptions and illustrations in this publication are intended for guidance only and shall not constitute a 'sale by description'. All dimensions given are nominal, while changes can be done on the information, products and specifications from time to time for a variety of reasons, without prior notice. The information in this publication is provided 'as is' on the revision date stated on the sheet. Updates will not be issued automatically. This information is not intended to have any legal effect, whether by way of advice, representation or warranty (express or implied). We accept no liability whatsoever (to the extent permitted by law) if you place any reliance on this publication you must do so at your own risk. All rights reserved. Copyright in this publication belongs to Polypipe Italia and all such copyright may not be used, sold, copied or reproduced in whole or part in any manner in any media to any person without prior consent. **EFFAST** is a registered trademark.