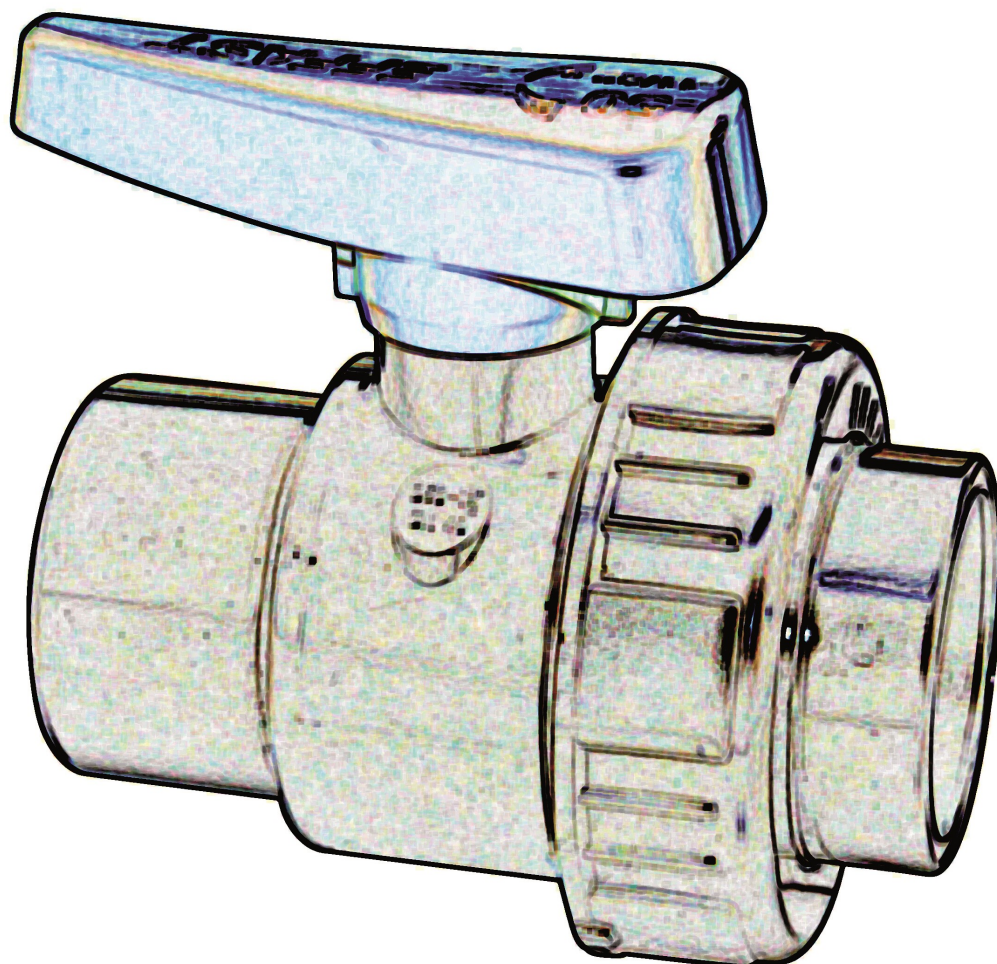




PVCu Single union ball valves SV
PVCu Valvole a sfera monoghiera SV

PVC-U Single union ball valves SV

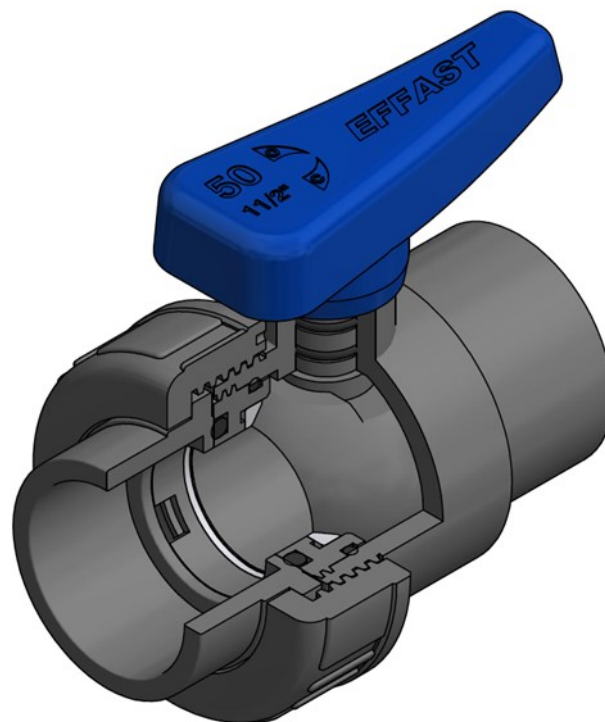
PVC-U Valvole a sfera monoghiera SV

Rev. Sep 2020

SV valve is a PVC-U single union ball valve, ideal for applications in the field of agriculture, swimming pools, light water treatment and non-critical chemicals.

La valvola SV è una valvola a sfera monoghiera in PVC-U, ideale per applicazioni in agricoltura, piscine, trattamento delle acque e prodotti chimici non critici.

- Full bore ball locked in place on both sides.
Sfera di tipo flottante a passaggio totale e bloccata da entrambi i lati.
- Machined ball to ensure the best sealing.
Sfera lavorata per garantire la miglior tenuta.
- Sealing adjustment and disassembling by key incorporated on the handle.
Possibilità di regolazione del supporto guarnizioni tramite la chiave incorporata nella maniglia.
- PVC-U compound fit for contact with potable water according to European, UK and USA regulations.
PVC-U idoneo al contatto con acqua potabile secondo le normative in vigore in Europa, UK, e USA.
- Marine Application approval.
Certificata per applicazioni navali.
- Compliant with the requirements of Pressure Equipment Directive 2014/68/EU, Annex III, Module A2.
Conforme ai requisiti della Direttiva Europea 2014/68/EU sulle attrezzature in pressione, Allegato III, Modulo A2.



TECHNICAL FEATURES / CARATTERISTICHE TECNICHE

NOMINAL PRESSURE / PRESSIONE NOMINALE	PN 16 (20°C)
DIMENSIONS / DIMENSIONI	DN 15 ÷ DN 100 (d.20 ÷ 110 mm – 1/2" ÷ 4")
VALVE MATERIAL / MATERIALE VALVOLA	PVC-U
SEALS MATERIAL / MATERIALE GUARNIZIONI	O-rings: EPDM / O-ring: EPDM Ball seats: PE / Tenute della sfera: PE
TEMPERATURE RANGE / TEMPERATURA	0°C ÷ 60°C
COUPLING STANDARDS / GIUNZIONI	Solvent welded sockets: metric, BS / Manicotti incollaggio: metrici, BS BSPP threaded sockets / Manicotti filettati femmina BSPP BSPP threaded socket - spigot end / Manicotto filettato BSPP femmina - estremità filettata maschio BSPP threaded socket - compression joint / Manicotto filettato BSPP femmina - giunto a compressione
CONTROL OPTIONS / OPZIONI DI COMANDO	Hand-operated / Manuale



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EFFAST

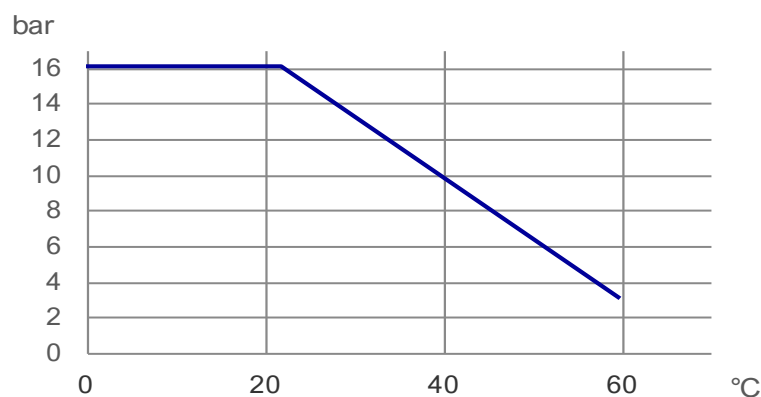
PVC-U Single union ball valves SV

PVC-U Valvole a sfera monoghiera SV

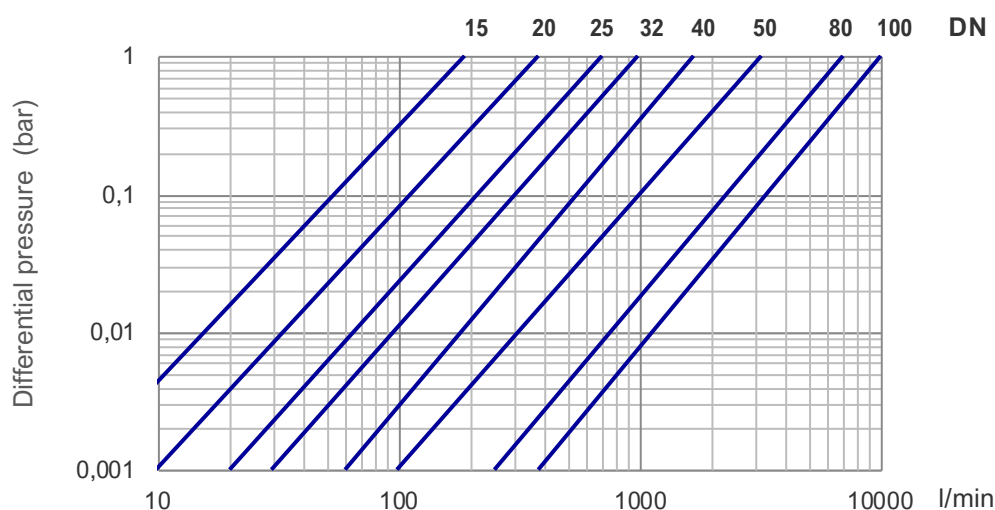
Operating pressure / Pressione di esercizio

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 / Per $\Delta p = 1$ bar

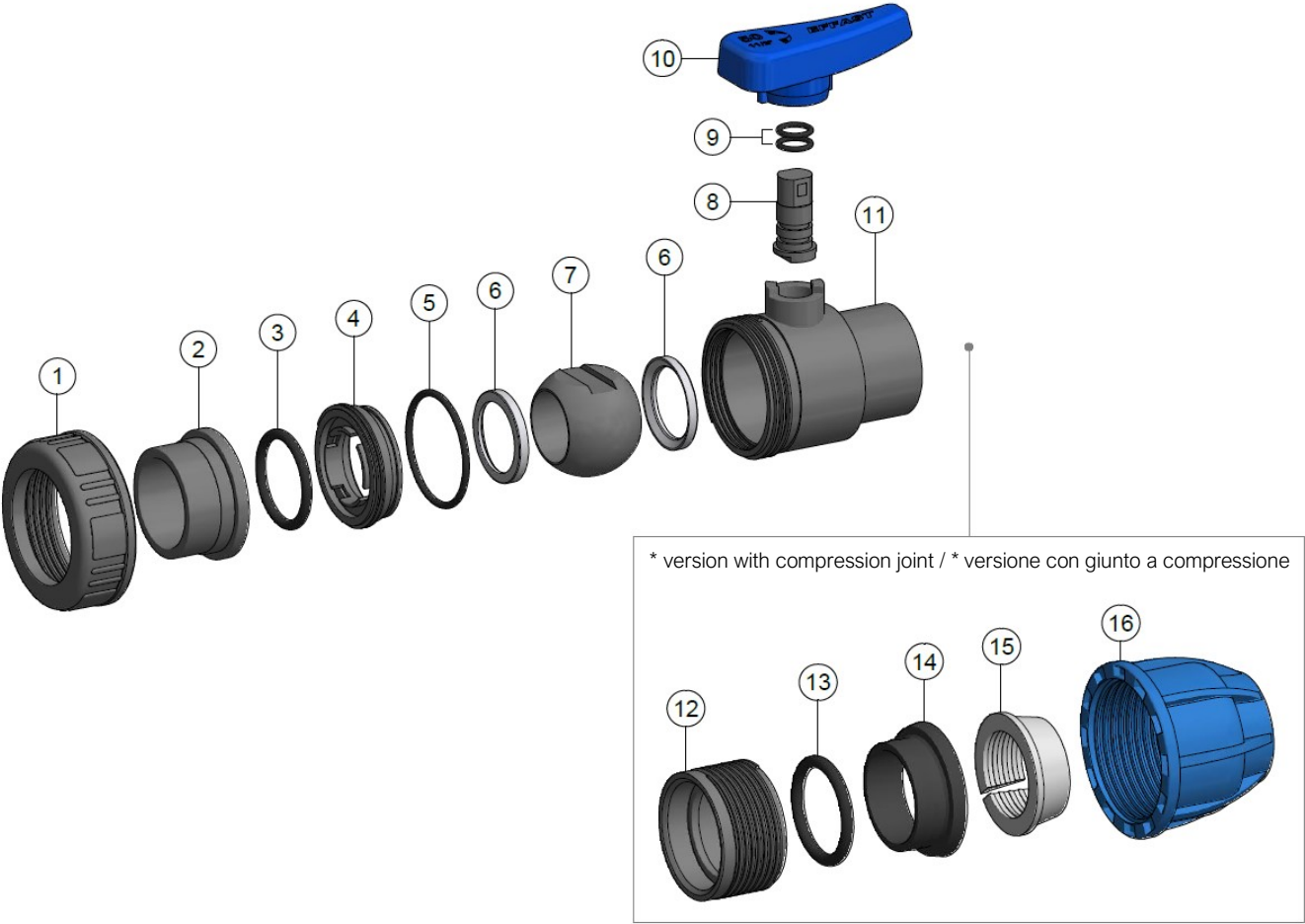
DN	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 80	DN 100
l/min	190	380	700	1000	1700	3200	7000	10000

Torque force at maximum pressure rate / Coppia di chiusura alla massima pressione

DN	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 80	DN 100
Nm	1.5	2	3	5	7	10	24	30

PVC-U Single union ball valves SV
PVC-U Valvole a sfera monoghiera SV

Components / Componenti



n.	COMPONENT	MATERIAL	Qty
1	Nut / Ghiera	PVC-U	1
2	Socket / Manicotto	PVC-U	1
3	Socket O-ring / O-ring manicotto	EPDM	1
4	Gasket carrier / Supporto guarnizioni	PVC-U	1
5	Body O-ring / O-ring corpo	EPDM	1
6	Ball seat / Tenuta sfera	PE	2
7	Ball / Sfera	PVC-U	1
8	Stem / Asta	PVC-U	1

n.	COMPONENT	MATERIAL	Qty
9	Stem O-ring / O-ring asta	EPDM	2
10	Handle / Maniglia	PVC-U	1
11	Body / Corpo	PVC-U	1
12*	Adaptor / Adattatore	PVC-U	1
13*	Joint O-ring / O-ring giunto	NBR	1
14*	Blocking bush / Bussola di bloccaggio	PP	1
15*	Clinching ring / Anello di graffaggio	POM	1
16*	Joint nut / Ghiera giunto	PP	1

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PVC-U Single union ball valves SV

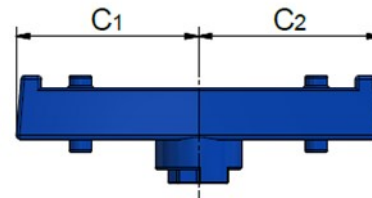
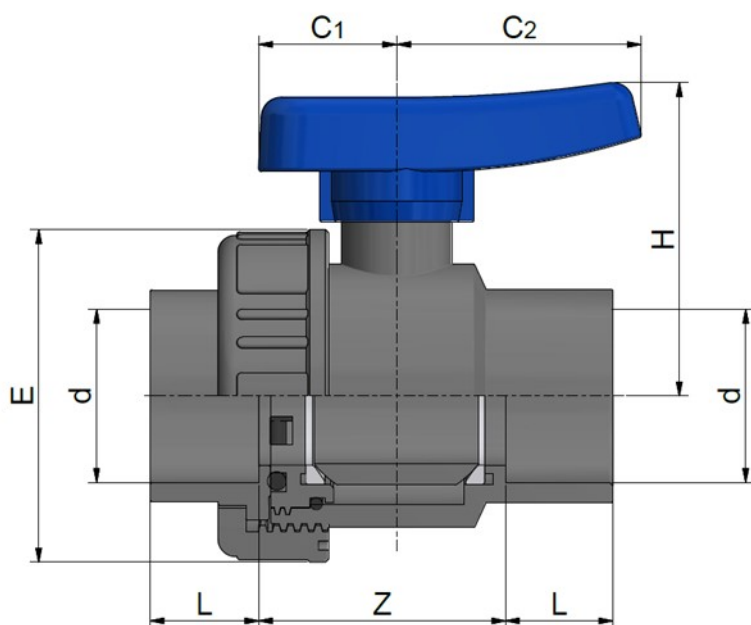
PVC-U Valvole a sfera monoghiera SV

METRIC SOLVENT WELDED SOCKETS

MANICOTTI METRICI PER INCOLLAGGIO

- Seals: EPDM / Guarnizioni: EPDM
- Ball seats: PE / Tenute della sfera: PE

Rev. Mar 2021



Handle d.75-110 / Maniglia d.75-110

Code EPDM	d	DN	L	Z	H	C1	C2	E	PN	Weight (g)
BDRSVD0160	16	15	14,5	44	50	22	42	49	16	140
BDRSVD0200	20	15	16	41	50	22	42	49	16	140
BDRSVD0250	25	20	19	48	58	24	49	60	16	200
BDRSVD0320	32	25	22	54	69	26	59	69	16	300
BDRSVD0400	40	32	26	62	76	32	65	80	16	450
BDRSVD0500	50	40	31	72	92	40	71	96	16	690
BDRSVD0630	63	50	39	86,5	104	45	79	116	16	1150
BDRSVD0750	75	65	44	132,5	145	84,5	84,5	167	16	3100
BDRSVD0900	90	80	51	125	145	84,5	84,5	167	16	3250
BDRSVD1100	110	100	61	158	170	102	102	209	16	5500



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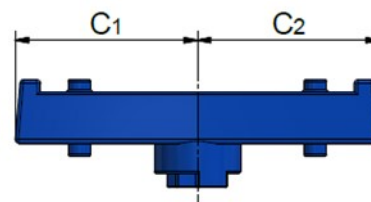
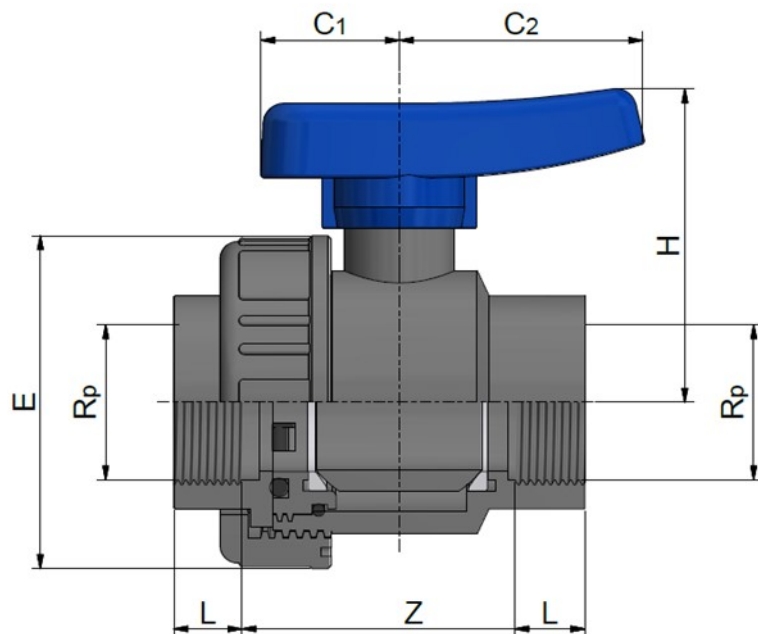
PVC-U Single union ball valves SV

PVC-U Valvole a sfera monoghiera SV

BSPP THREADED SOCKETS MANICOTTI FILETTATI BSPP

Rev. Mar 2021

- Thread according to ISO 228-1 / Filettatura secondo ISO 228-1
- Seals: EPDM / Guarnizioni: EPDM
- Ball seats: PE / Tenute della sfera: PE



Handle d.75-110 / Maniglia d.75-110

Code EPDM	Rp	DN	L min	Z max	H	C1	C2	E	PN	Weight (g)
BERSVE016A	3/8"	15	11,4	57,2	50	22	42	49	16	140
BERSVE020B	1/2"	15	15	50	50	22	42	49	16	140
BERSVE025C	3/4"	20	16,3	59,4	58	24	49	60	16	200
BERSVE032D	1"	25	19,5	67	69	26	59	69	16	300
BERSVE040E	1"1/4	32	21,4	78,2	76	32	65	80	16	450
BERSVE050F	1"1/2	40	21,4	87,2	92	40	71	96	16	690
BERSVE063G	2"	50	25,7	98,6	104	45	79	116	16	1150
BERSVE075H	2"1/2	65	30,2	168,6	145	84,5	84,5	167	16	3050
BERSVE090I	3"	80	33,3	146,4	145	84,5	84,5	167	16	3200
BERSVE110L	4"	100	39,3	205,4	170	102	102	209	16	5400



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