

PVC-U Double union ball valves BV

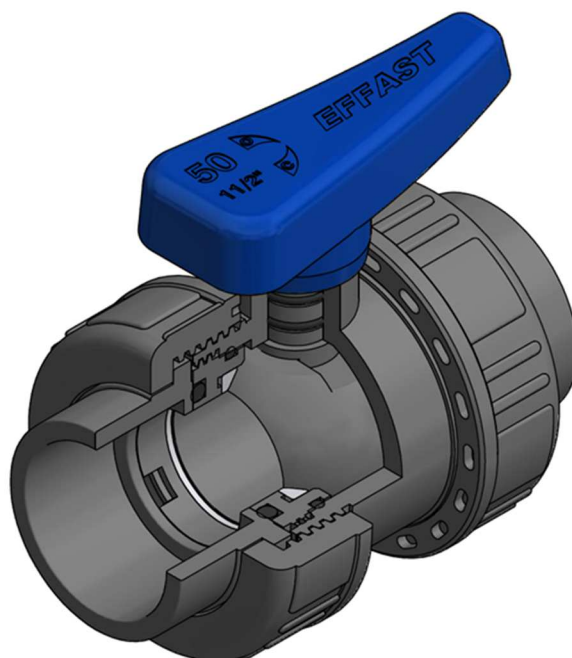
PVC-U Valvole a sfera radiali BV

Rev. Mar 2020

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

La valvola BV è una valvola a sfera radiale in PVC-U è 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.16 ÷ 110 mm – 3/8” ÷ 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, ASTM, JIS / Manicotti incollaggio: metrici, BS, ASTM, JIS Threaded sockets: BSPP, NPT / Manicotti filettati: BSPP, NPT Compression joints / Giunti a compressione
CONTROL OPTIONS / OPZIONI DI COMANDO	Hand-operated / Manuale



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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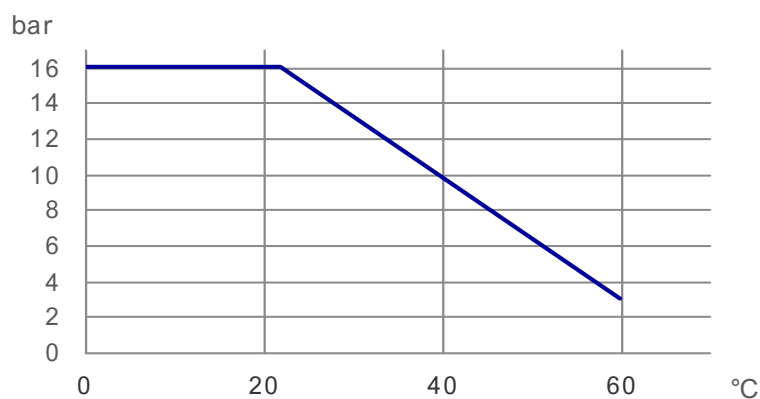
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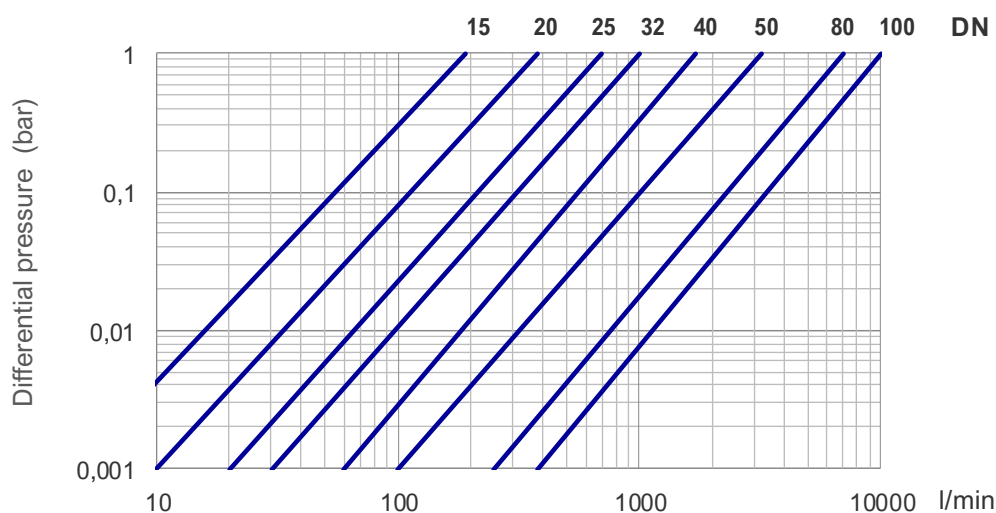
Operating pressure / Pressione di esercizio

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 / 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

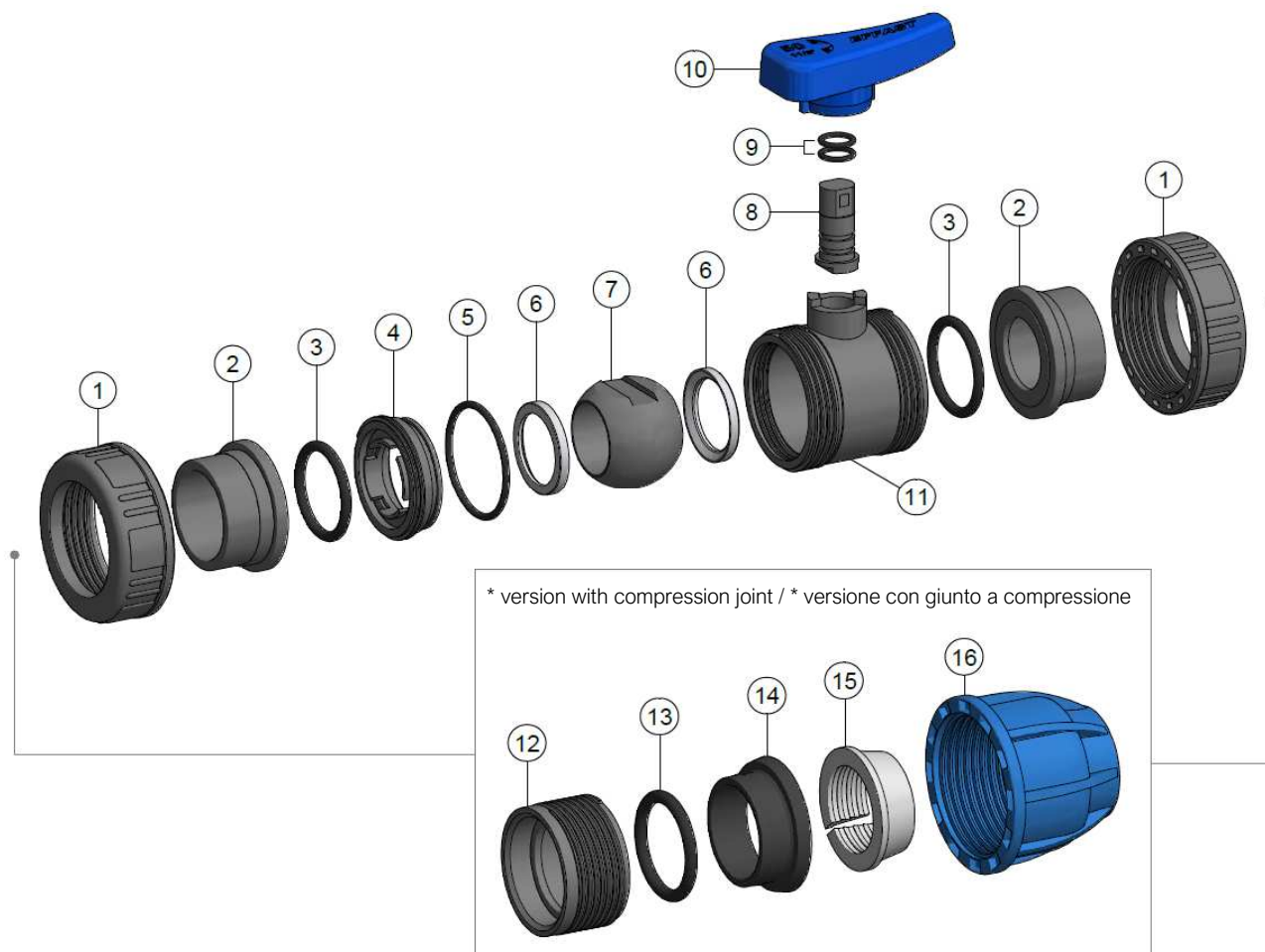
Torque force at maximum pressure rate / Coppia di chiusura alla massima pressione

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

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Components / Componenti



n.	COMPONENT	MATERIAL	Qty	n.	COMPONENT	MATERIAL	Qty
1	Nut / Ghiera	PVC-U	2	9	Stem O-ring / O-ring asta	EPDM	2
2	Socket / Manicotto	PVC-U	2	10	Handle / Maniglia	PVC-U	1
3	Socket O-ring / O-ring manicotto	EPDM	2	11	Body / Corpo	PVC-U	1
4	Gasket carrier / Supporto guarnizioni	PVC-U	1	12*	Adaptor / Adattatore	PVC-U	2
5	Body O-ring / O-ring corpo	EPDM	1	13*	Joint O-ring / O-ring giunto	NBR	2
6	Ball seat / Tenuta sfera	PE	2	14*	Blocking bush / Bussola di bloccaggio	PP	2
7	Ball / Sfera	PVC-U	1	15*	Clinching ring / Anello di graffaggio	POM	2
8	Stem / Asta	PVC-U	1	16*	Joint nut / Ghiera giunto	PP	2



NSF and WRAS certifications: only for valves with EPDM seals. Certifications and approvals are related to items declared on Official Listing or certificates. /
 Certificazioni NSF e WRAS: valide solo per le valvole con guarnizioni EPDM. Le certificazioni si riferiscono ai prodotti dichiarati nelle Official Listing o sui certificati stessi.

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