

## PVC-U Single union ball valves SX

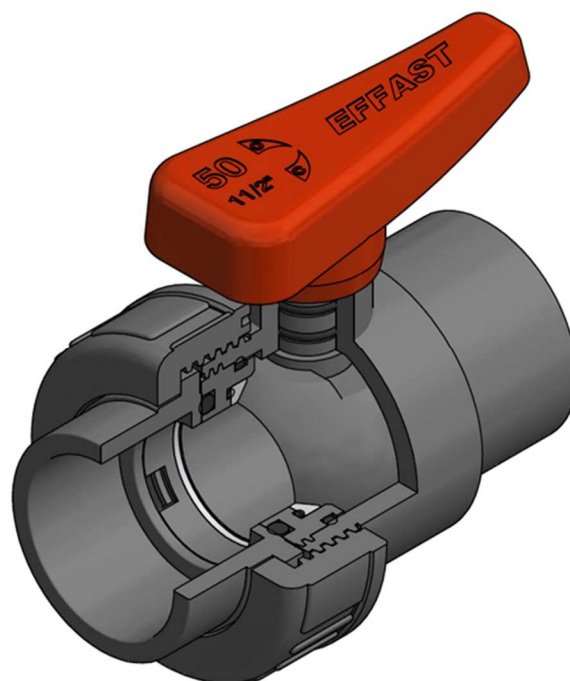
### PVC-U Valvole a sfera monoghiera SX

Rev. Mar 2020

PVC-U valve SX is a single union ball valve ideal for heavy duty applications, chemical applications and water treatment.

La valvola SX è una valvola a sfera monoghiera in PVC-U, ideale per applicazioni gravose in industria chimica e nel trattamento acque.

- 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 or FKM / O-ring: EPDM o FKM Ball seats: PTFE / Tenute della sfera: 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
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.

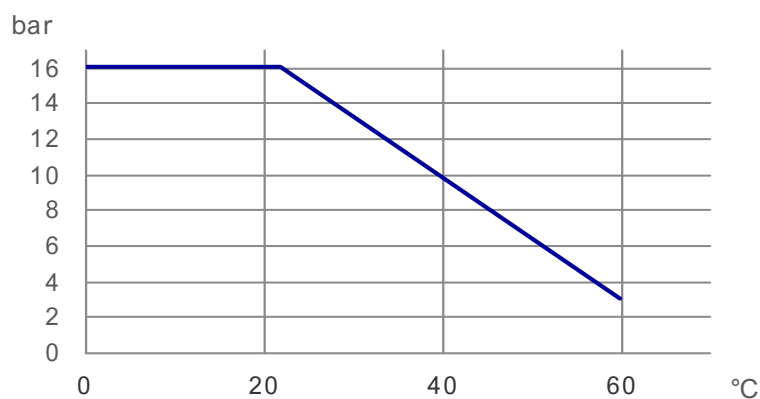
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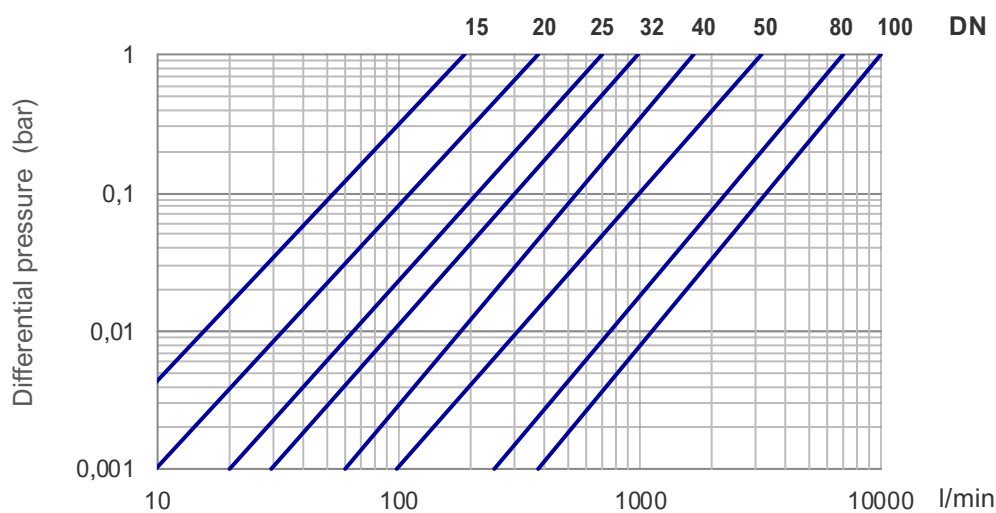
#### Operating pressure / Pressione di esercizio

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

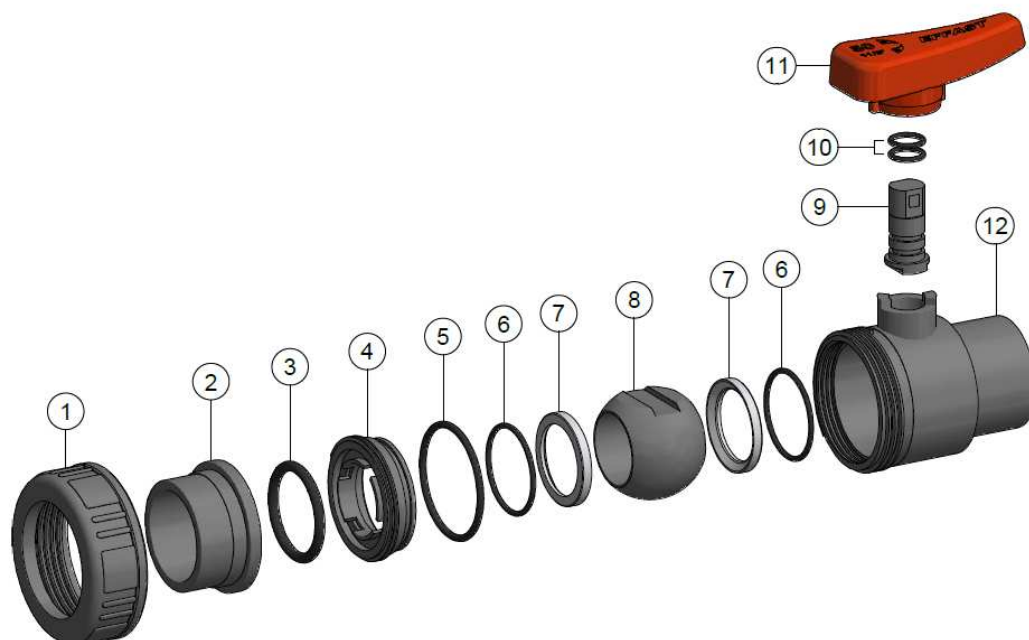
#### Torque force at maximum pressure rate / Coppia di chiusura alla massima pressione

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
1	Nut / Ghiera	PVC-U	1
2	Socket / Manicotto	PVC-U	1
3	Socket O-ring / O-ring manicotto	EPDM/FKM	1
4	Gasket carrier / Supporto guarnizioni	PVC-U	1
5	Body O-ring / O-ring corpo	EPDM/FKM	1
6	Ball seat O-ring / O-ring tenuta	EPDM/FKM	2

n.	COMPONENT	MATERIAL	Qty
7	Ball seat / Tenuta sfera	PTFE	2
8	Ball / Sfera	PVC-U	1
9	Stem / Asta	PVC-U	1
10	Stem O-ring / O-ring asta	EPDM/FKM	2
11	Handle / Maniglia	PVC-U	1
12	Body / Corpo	PVC-U	1

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