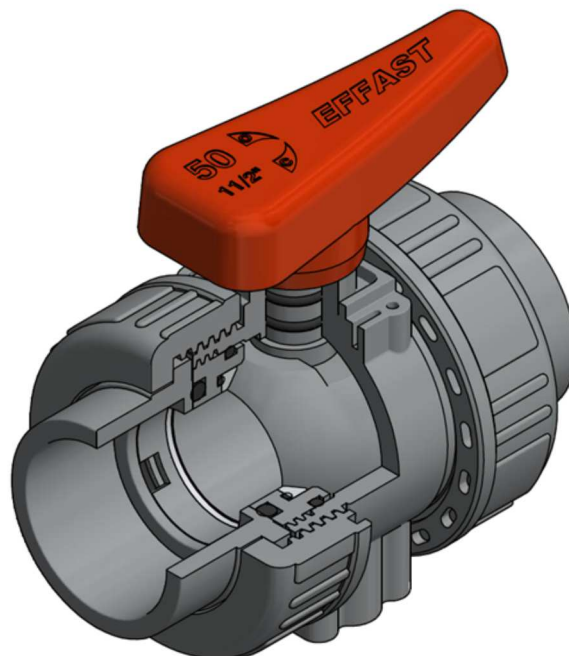


ABS Valvole a sfera radiali BK1

With good chemicals resistance, lightness and easy to use, ABS double union ball valve BK1 is ideal for low temperature fluid transport.

Con una buona resistenza chimica, grazie alla sua leggerezza e facilità di utilizzo, la valvola a sfera BK1 in ABS è ideale per il trasporto di fluidi a basse temperature.

- Floating 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.
- Actuated versions available.
Disponibile nella versione attuata.
- 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 a pressione, Allegato III, Modulo A2.

**TECHNICAL FEATURES / CARATTERISTICHE TECNICHE**

NOMINAL PRESSURE / PRESSIONE NOMINALE	PN 15 (20°C)
DIMENSIONS / DIMENSIONI	DN 15 ÷ DN 100 (d.3/8" ÷ 4")
VALVE MATERIAL / MATERIALE VALVOLA	ABS
SEALS MATERIAL / MATERIALE GUARNIZIONI	O-rings: EPDM or FKM / O-ring: EPDM o FKM Ball seats: PTFE / Tenute della sfera: PTFE
TEMPERATURE RANGE / TEMPERATURA	-40°C ÷ 60°C
COUPLING STANDARDS / GIUNZIONI	Solvent welded sockets: BS / Manicotti incollaggio: BS
CONTROL OPTIONS / OPZIONI DI COMANDO	Hand-operated / Manuale
	Electrically actuated / Comando elettrico
	Pneumatically actuated / Comando pneumatico



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.

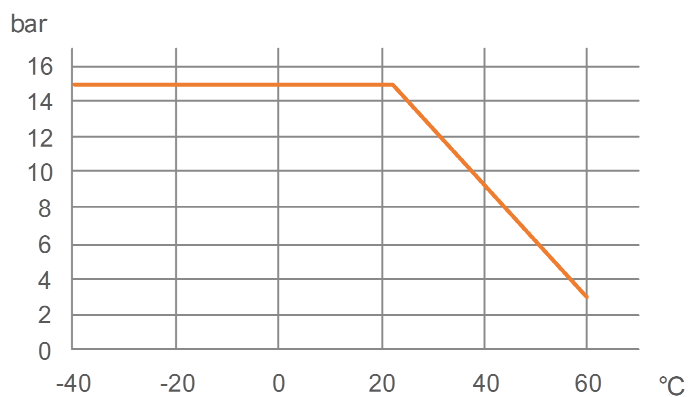
ABS Double union ball valves BK1

ABS Valvole a sfera radiali BK1

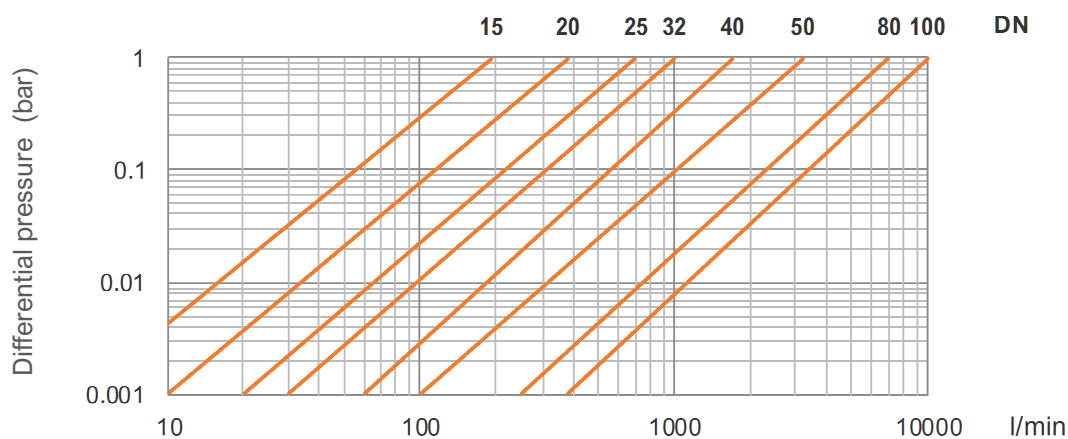
Operating pressure / Pressione di esercizio

Maximum operating pressure for ABS: according to temperature as shown in graph.

Massima pressione di esercizio per ABS: 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

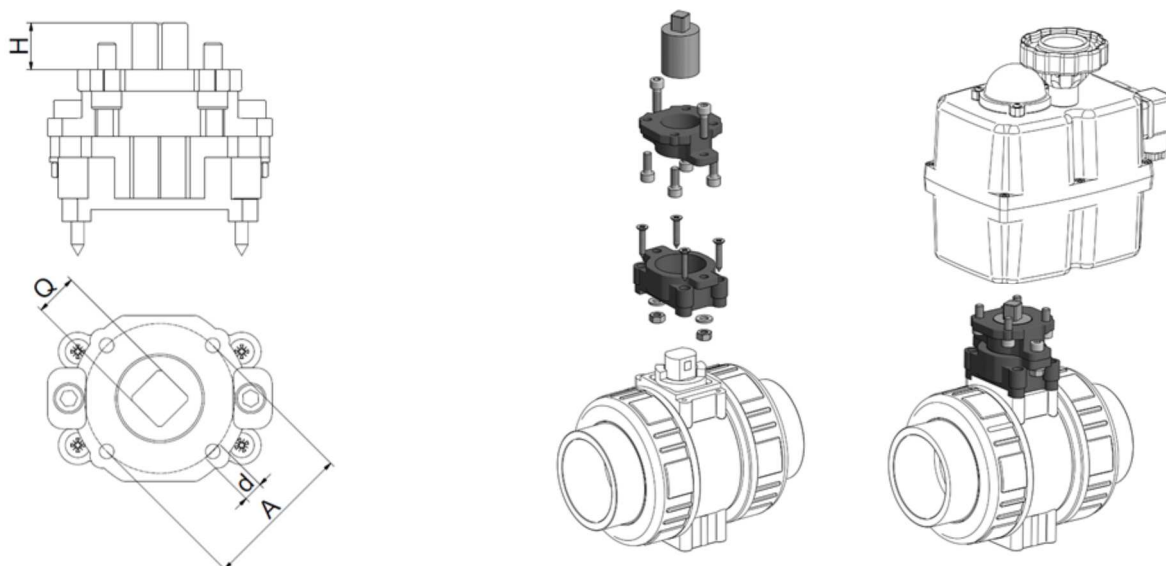
ABS Double union ball valves BK1

ABS Valvole a sfera radiali BK1

Actuation and fastening / Attuazione e fissaggio

BK1 ball valve can be actuated with standard electric or pneumatic actuators using the dedicated kit (ref. code BDRKITB1). The mounting flange is drilled according to standard ISO 5211.

La valvola a sfera BK1 può essere automatizzata mediante attuatore elettrico o pneumatico usando il kit dedicato (rif. codice BDRKITB1). La flangia di accoppiamento è forata secondo lo standard ISO 5211.



DN	d (in)	ISO 5211	A	d	Q	H
15	3/8" - 1/2"	F05	50	M6	14*	16
20	3/4"	F05	50	M6	14*	16
25	1"	F05	50	M6	14*	16
32	1"1/4	F05	50	M6	14*	16
40	1"1/2	F05	50	M6	14*	16
50	2"	F05	50	M6	14*	16
80	2"1/2 - 3"	F07	70	M8	17**	19
100	4"	F07	70	M8	17**	19

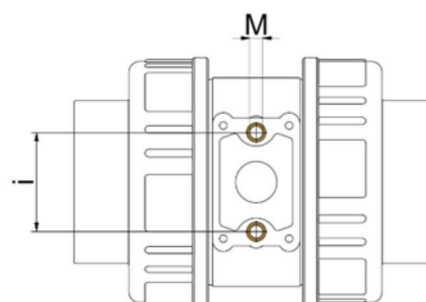
*) Square 11 on request / Quadro 11 a richiesta **) Square 14 on request / Quadro 14 a richiesta

BK1 ball valve¹ is provided with integrated threaded inserts that permit to fasten the valve. For wall installation, a dedicated mounting plate can be used (ref. code BDR1BASE/BDR1BASF).

La valvola a sfera BK1 è dotata di inserti filettati integrati per il fissaggio della valvola. Per installazione a parete, è disponibile la base apposita (rif. codice BDR1BASE/BDR1BASF).

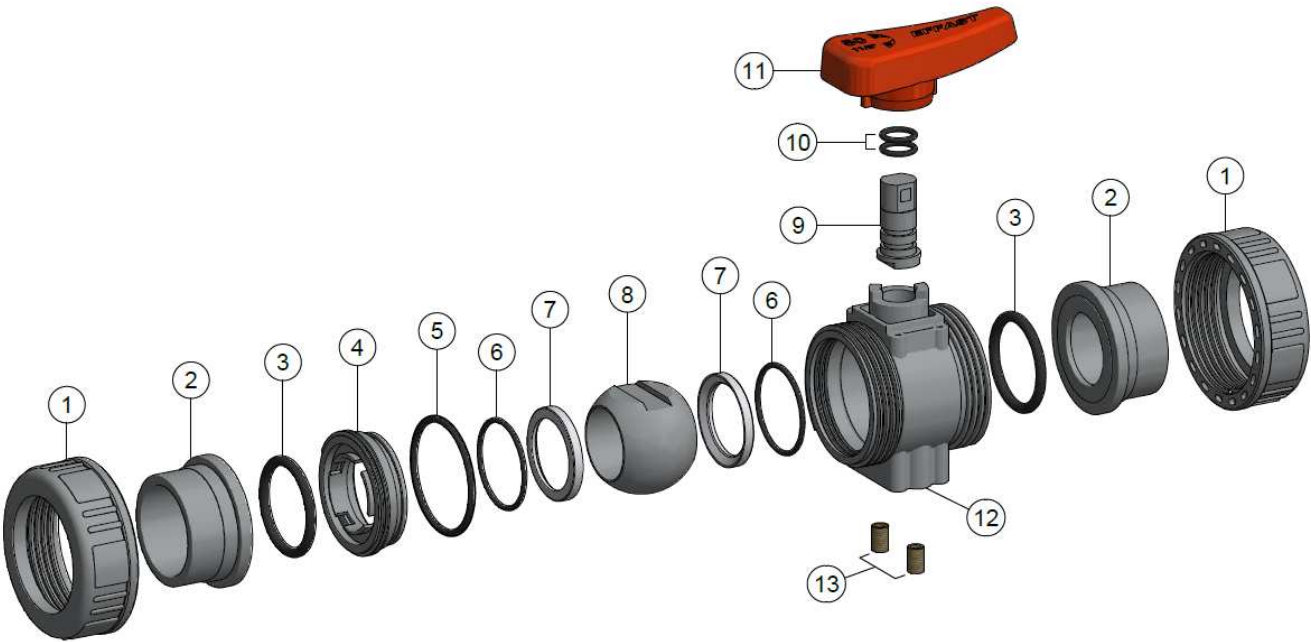
DN	d (in)	i	M
15	3/8" - 1/2"	18	M4 x 8
20	3/4"	21,5	M4 x 8
25	1"	28	M4 x 8
32	1"1/4	30	M5 x 10
40	1"1/2	38	M6 x 14
50	2"	45	M6 x 14

1) From DN 15 to DN 50 / Da DN 15 a DN 50



ABS Double union ball valves BK1
ABS Valvole a sfera radiali BK1

Components / Componenti



n.	COMPONENT	MATERIAL	Qty
1	Nut / Ghiera	ABS	2
2	Socket / Manicotto	ABS	2
3	Socket O-ring / O-ring manicotto	EPDM/FKM	2
4	Gasket carrier / Supporto guarnizioni	ABS	1
5	Body O-ring / O-ring corpo	EPDM/FKM	1
6	Ball seat O-ring / O-ring tenuta	EPDM/FKM	2
7	Ball seat / Tenuta sfera	PTFE	2

n.	COMPONENT	MATERIAL	Qty
8	Ball / Sfera	ABS	1
9	Stem / Asta	ABS	1
10	Stem O-ring / O-ring asta	EPDM/FKM	2
11	Handle / Maniglia	PVC-U	1
12	Body / Corpo	ABS	1
13	Threaded insert ¹ / Inserto filettato ¹	Brass/Ottone	2

1) From DN 15 to DN 50 / Da DN 15 a DN 50

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