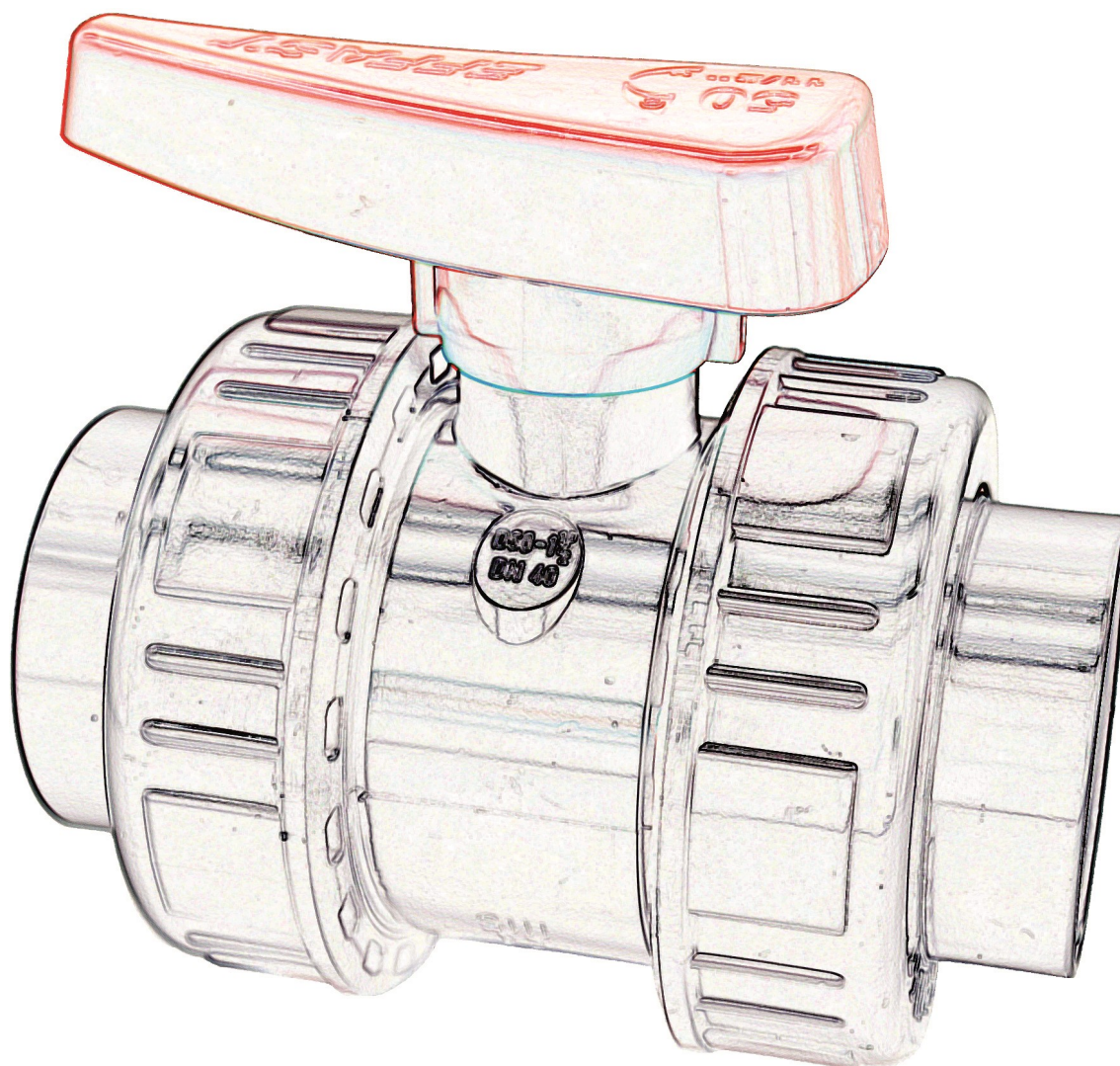




PVCu True union ball valves BX
PVCu Valvole a sfera bighiera BX

PVC-U True union ball valves BX

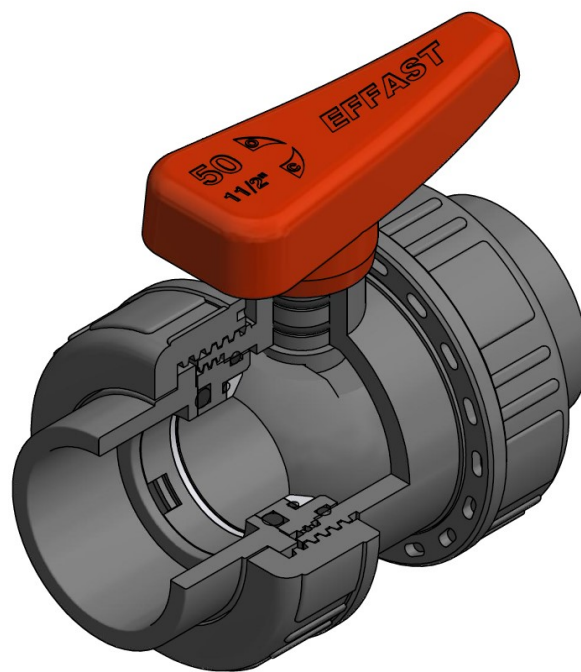
PVC-U Valvole a sfera bighiera BX

Rev. Feb 2021

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

La valvola a sfera bighiera BX è ideale per applicazioni gravose in industria chimica e nel settore del 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.16 ÷ 110 mm – 3/8" ÷ 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 EN/ISO/DIN flanges / Flange EN/ISO/DIN
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.

EFFAST

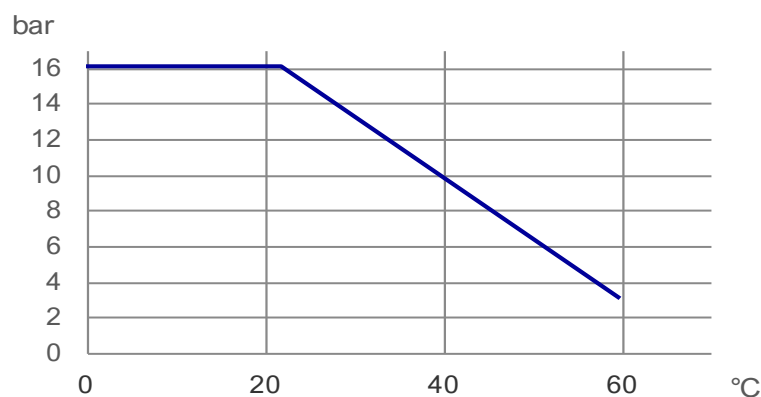
PVC-U True union ball valves BX

PVC-U Valvole a sfera bighiera BX

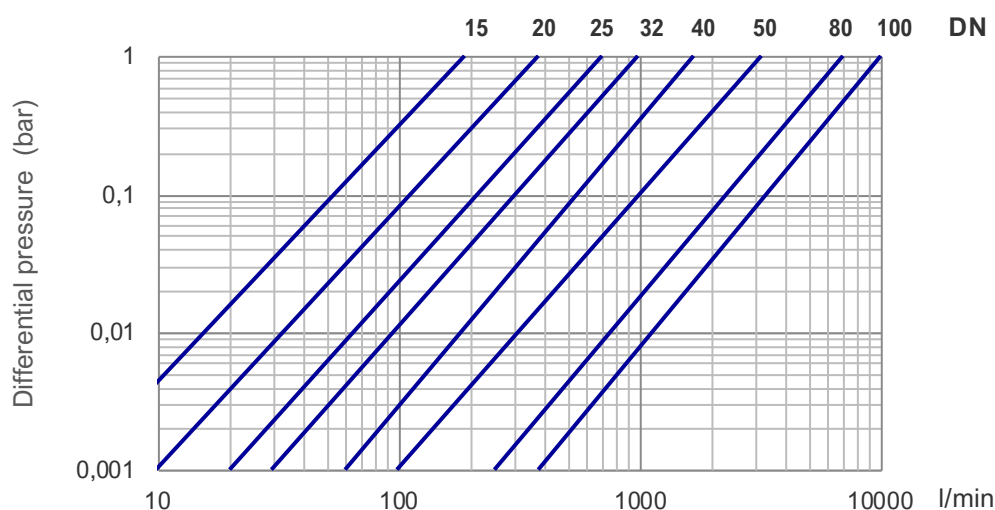
Operating pressure / Pressione di esercizio

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

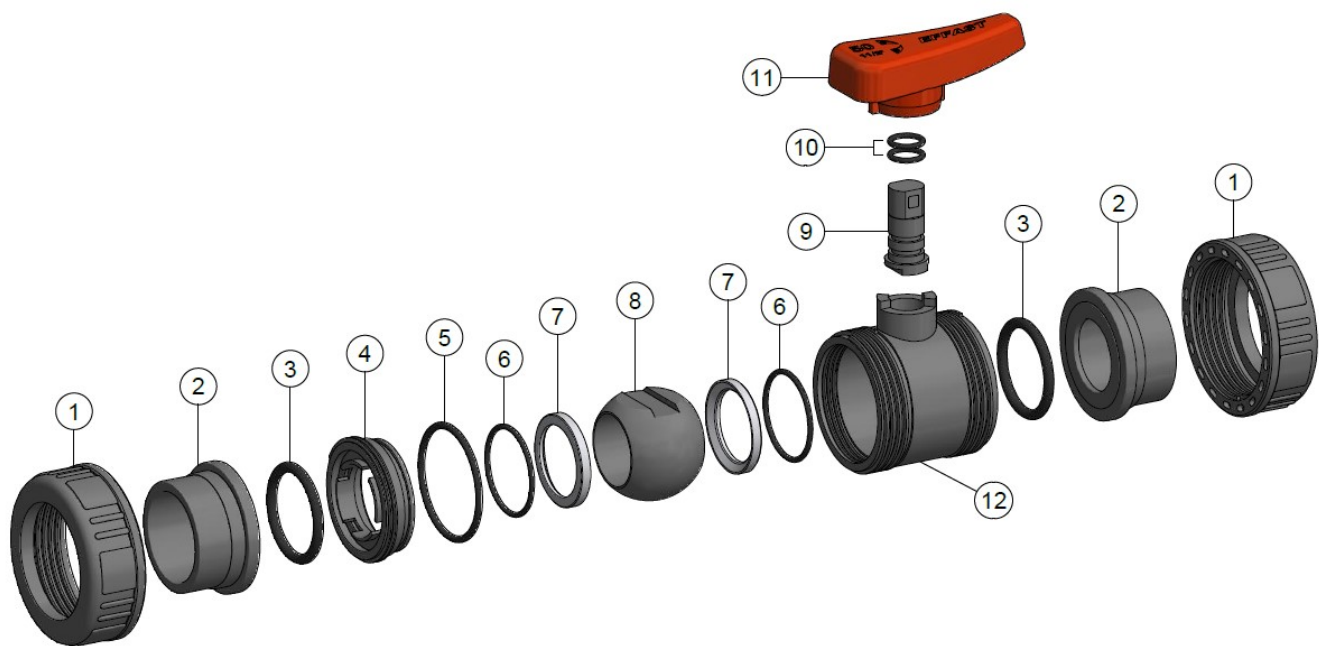
DN	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 80	DN 100
l/min	190	380	700	1000	1700	3200	7000	10000

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 True union ball valves BX
PVC-U Valvole a sfera bighiera BX

Components / Componenti



n.	COMPONENT	MATERIAL	Qty
1	Nut / Ghiera	PVC-U	2
2	Socket / Manicotto	PVC-U	2
3	Socket O-ring / O-ring manicotto	EPDM/FKM	2
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

PVC-U True union ball valves BX

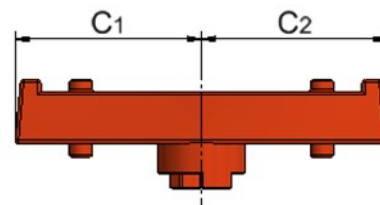
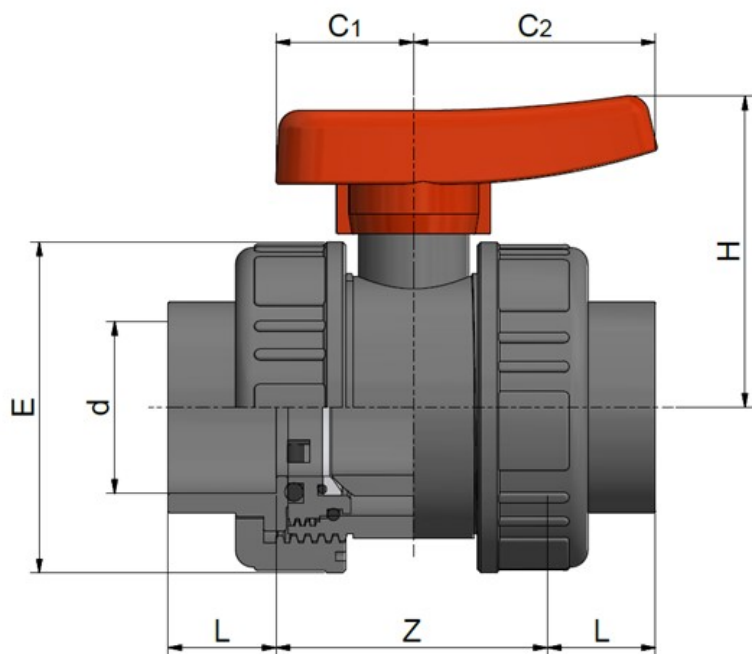
PVC-U Valvole a sfera bighiera BX

METRIC SOLVENT WELDED SOCKETS

MANICOTTI METRICI PER INCOLLAGGIO

- Seals: EPDM or FKM / Guarnizioni: EPDM o FKM
- Ball seats: PTFE / Tenute della sfera: PTFE

Rev. Feb 2021



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

Code EPDM	d	DN	L	Z	H	C1	C2	E	PN	Weight (g)
BDRBXD0160	16	15	14,5	51	50	22	42	49	16	140
BDRBXD0200	20	15	16	48	50	22	42	49	16	140
BDRBXD0250	25	20	19	54	58	24	49	60	16	200
BDRBXD0320	32	25	22	62	69	26	59	69	16	300
BDRBXD0400	40	32	26	69	76	32	65	80	16	450
BDRBXD0500	50	40	31	81	92	40	71	96	16	690
BDRBXD0630	63	50	39	94	104	45	79	116	16	1150
BDRBXD0750	75	65	44	141	145	84,5	84,5	167	16	3100
BDRBXD0900	90	80	51	140	145	84,5	84,5	167	16	3200
BDRBXD1100	110	100	61	162	170	102	102	209	16	5500



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.

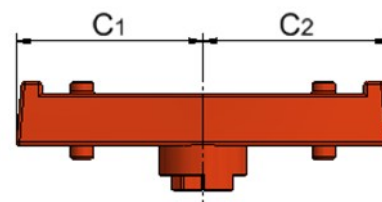
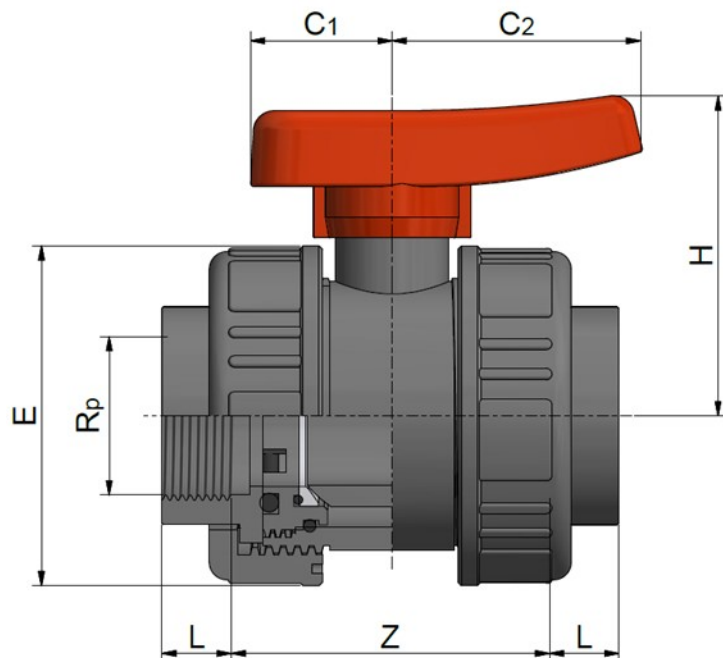
PVC-U True union ball valves BX

PVC-U Valvole a sfera bighiera BX

BSPP THREADED SOCKETS MANICOTTI FILETTATI BSPP

Rev. Feb 2021

- Thread according to ISO 228-1 / *Filettatura secondo ISO 228-1*
- Seals: EPDM or FKM / *Guarnizioni: EPDM o FKM*
- Ball seats: PTFE / *Tenute della sfera: PTFE*



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

Code EPDM	Rp	DN	L min	Z	H max	C1	C2	E	PN	Weight (g)
BERBXE016A	3/8"	15	11,4	57,2	50	22	42	49	16	140
BERBXE020B	1/2"	15	15	50	50	22	42	49	16	140
BERBXE025C	3/4"	20	16,3	59,4	58	24	49	60	16	200
BERBXE032D	1"	25	19,5	67	69	26	59	69	16	300
BERBXE040E	1"1/4	32	21,4	78,2	76	32	65	80	16	450
BERBXE050F	1"1/2	40	21,4	87,2	92	40	71	96	16	690
BERBXE063G	2"	50	25,7	98,6	104	45	79	116	16	1150
BERBXE075H	2"1/2	65	30,2	168,6	145	84,5	84,5	167	16	3050
BERBXE090I	3"	80	33,3	146,4	145	84,5	84,5	167	16	3200
BERBXE110L	4"	100	39,3	205,4	170	102	102	209	16	5400



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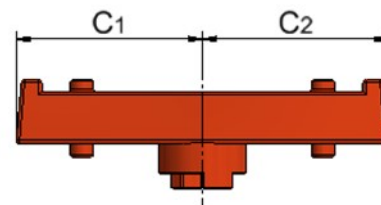
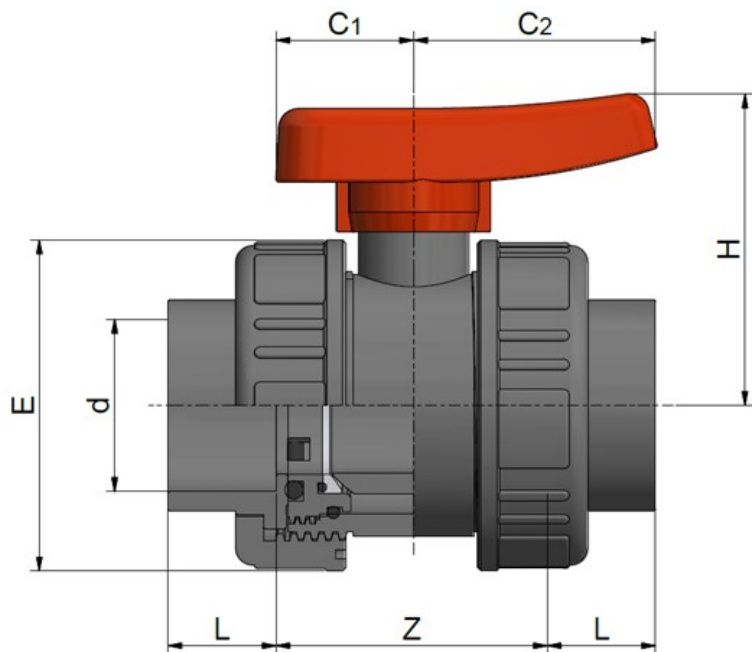
PVC-U True union ball valves BX

PVC-U Valvole a sfera bighiera BX

BS SOLVENT WELDED SOCKETS MANICOTTI BS PER INCOLLAGGIO

Rev. Feb 2021

- Seals: EPDM or FKM / Guarnizioni: EPDM o FKM
- Ball seats: PTFE / Tenute della sfera: PTFE



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

Code EPDM	d	DN	L	Z	H	C1	C2	E	PN	Weight (g)
BARBXA0160	3/8"	15	14,5	51	50	22	42	49	16	140
BARBXA0200	1/2"	15	16	48	50	22	42	49	16	140
BARBXA0250	3/4"	20	19	54	58	24	49	60	16	200
BARBXA0320	1"	25	22	62	69	26	59	69	16	300
BARBXA0400	1"1/4	32	26	69	76	32	65	80	16	450
BARBXA0500	1"1/2	40	31	81	92	40	71	96	16	690
BARBXA0630	2"	50	39	94	104	45	79	116	16	1150
BARBXA0750	2"1/2	65	44	141	145	84,5	84,5	167	16	3100
BARBXA0900	3"	80	51	140	145	84,5	84,5	167	16	3200
BARBXA1100	4"	100	61	162	170	102	102	209	16	5500



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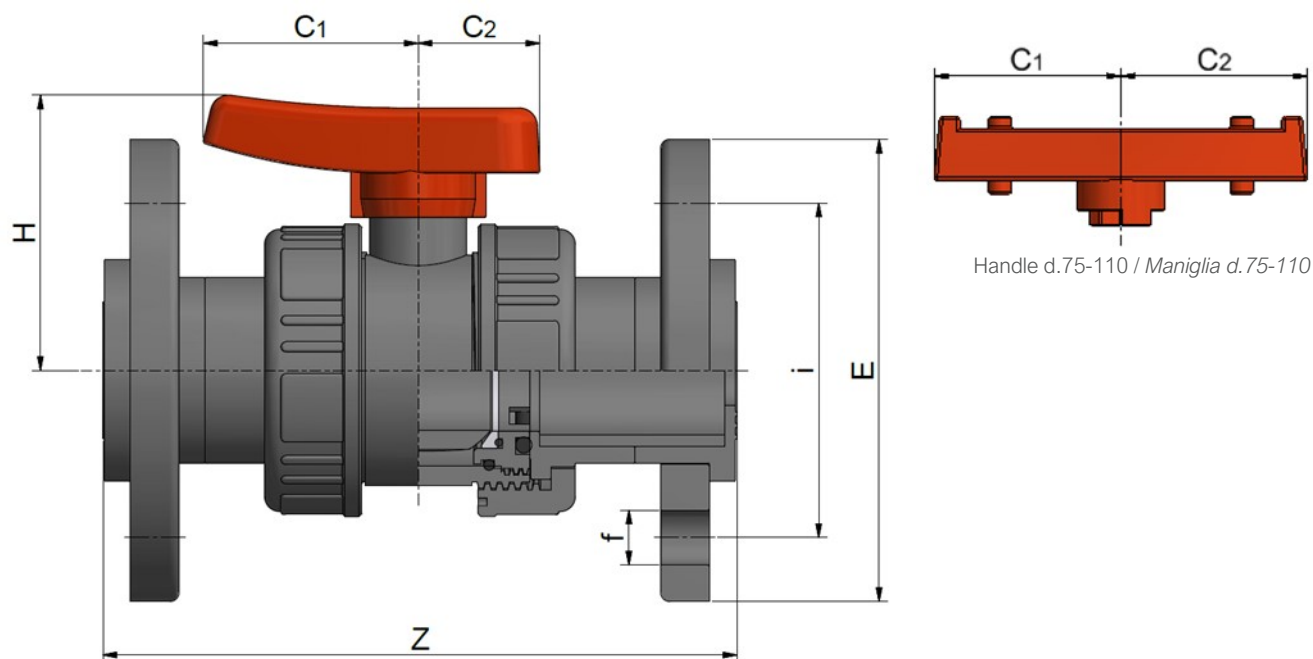
PVC-U True union ball valves BX

PVC-U Valvole a sfera bighiera BX

FLANGED EN/ISO/DIN
FLANGIATA EN/ISO/DIN

- Seals: EPDM or FKM / Guarnizioni: EPDM o FKM
- Ball seats: PTFE / Tenute della sfera: PTFE

Rev. Feb 2021



Code EPDM	d	DN	Z	H	C1	C2	E	i	f	Bolts/ Bulloni	PN	Weight (g)
BDRBXF0200	20	15	118	50	42	22	95	65	14	4 x M12	16	364
BDRBXF0250	25	20	138	58	49	24	105	75	14	4 x M12	16	490
BDRBXF0320	32	25	158	69	59	26	115	85	14	4 x M12	16	714
BDRBXF0400	40	32	179	76	65	32	142	100	18	4 x M16	16	1060
BDRBXF0500	50	40	215	92	71	40	152	110	18	4 x M16	16	1476
BDRBXF0630	63	50	256	104	79	45	165	125	18	4 x M16	16	2230
BDRBXF0750	75	65	327	145	84,5	84,5	185	145	18	4 x M16	16	4533
BDRBXF0900	90	80	353	145	84,5	84,5	200	160	18	8 x M16	16	5291
BDRBXF1100	110	100	416	170	102	102	220	180	18	8 x M16	16	8271



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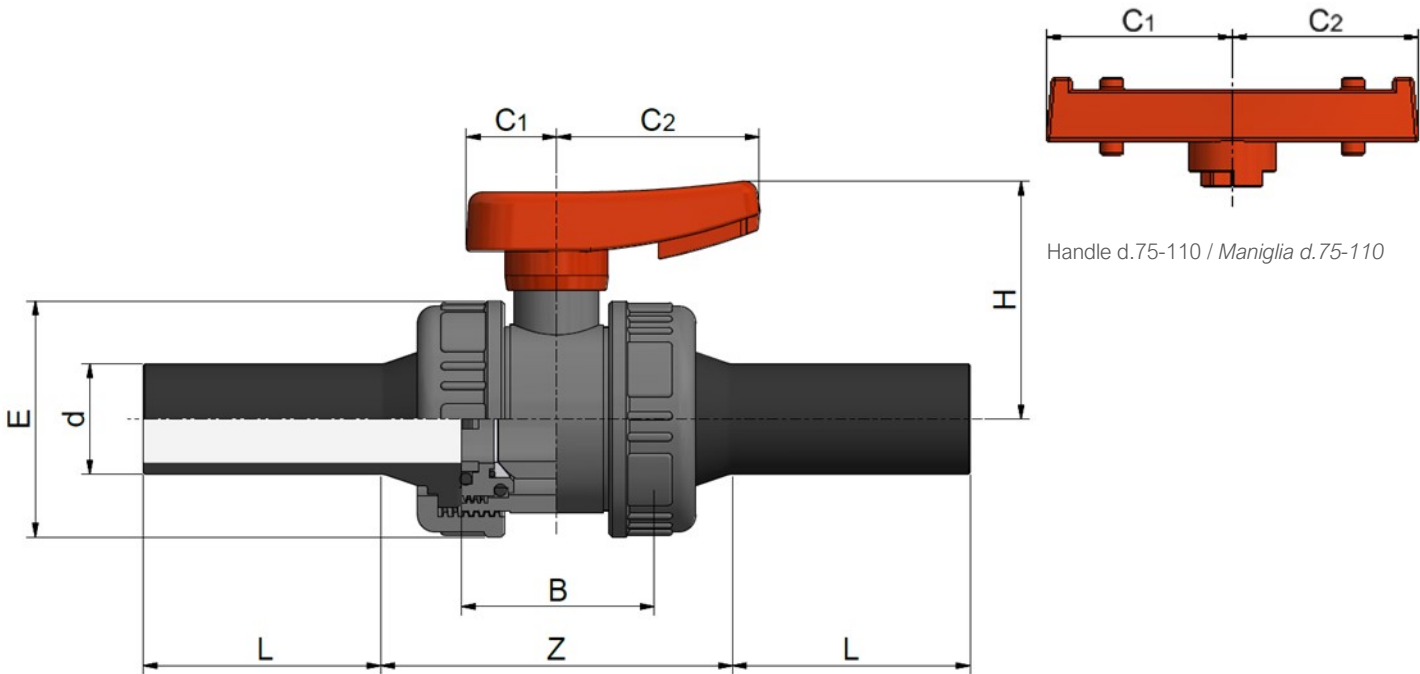
PVC-U True union ball valves BX

PVC-U Valvole a sfera bighiera BX

HDPE SPIGOTS
MANICOTTI MASCHIO HDPE

Rev. Feb 2021

- Seals: EPDM or FKM / Guarnizioni: EPDM o FKM
- Ball seats: PTFE / Tenute della sfera: PTFE



Code EPDM	d	DN	L	Z	B	H	C1	C2	E	PN	Weight (g)
BDRBXP0200	20	15	45	85	44	50	22	42	49	16	152
BDRBXP0250	25	20	50	100	49	58	24	49	60	16	202
BDRBXP0320	32	25	70	103	56	69	26	59	69	16	330
BDRBXP0400	40	32	60	116	62	76	32	65	80	16	472
BDRBXP0500	50	40	65	134	73	92	40	71	96	16	750
BDRBXP0630	63	50	75	166	87	104	45	79	116	16	1288
BDRBXP0750	75	65	95	195	130	145	84,5	84,5	167	16	3256
BDRBXP0900	90	80	97	210	130	145	84,5	84,5	167	16	3536
BDRBXP1100	110	100	110	238	152	170	102	102	209	16	5740



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