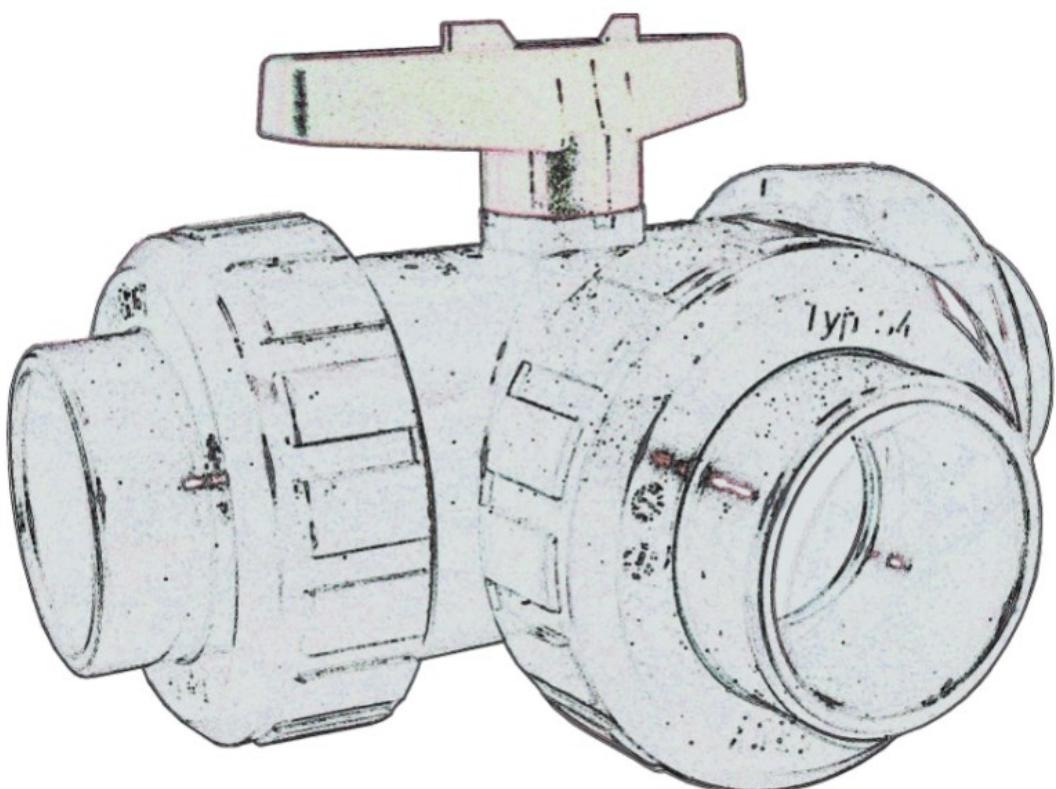


Tecничal Catalog
Catalogo Tecnico



PVC-U 3 way ball valves BT
PVC-U Valvole a sfera a 3 vie BT

PVCu 3 way ball valves BT PVCu Valvole a sfera a 3 vie BT

Rev. Nov 2021

BT valve is a PVC-U 3 way ball valve, ideal for applications in swimming pools, light water treatment and non-critical chemicals.

La valvola BT è una valvola a sfera a 3 vie in PVC-U, ideale per applicazioni in piscine, trattamento delle acque e prodotti chimici non critici.

- Radial installation and removal / *Installazione e rimozione radiale*
- Double sided blocked ball / *Sfera bloccata da entrambi i lati*
- Machined ball / *Sfera lavorata*
- Full section area of flow (nominal bore) / *Passaggio totale del flusso (foro nominale)*
- Floating ball / *Sfera flottante*



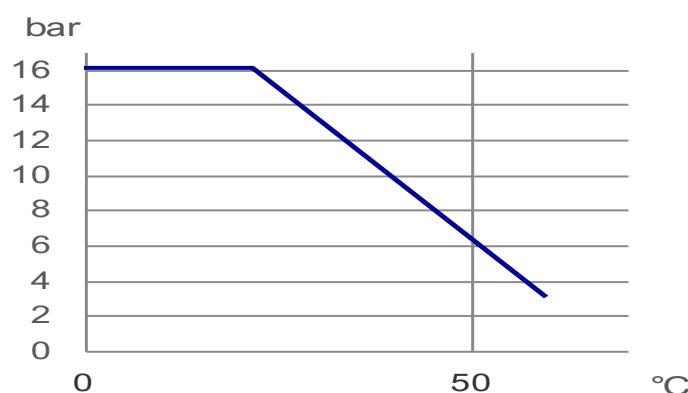
TECHNICAL FEATURES / CARATTERISTICHE TECNICHE

NOMINAL PRESSURE / PRESSIONE NOMINALE	PN 16 (20°C)
DIMENSIONS / DIMENSIONI	DN 15 ÷ DN 50 (d.20 ÷ 63 mm – 1/2" ÷ 2")
VALVE MATERIAL / MATERIALE VALVOLA	PVC-U
SEALS MATERIAL / MATERIALE GUARNIZIONI	O-rings: EPDM / <i>O-ring: EPDM</i> Ball seats: PTFE / <i>Tenute della sfera: PTFE</i>
TEMPERATURE RANGE / TEMPERATURA	0°C ÷ 60°C
COUPLING STANDARDS / GIUNZIONI	Solvent welded sockets metric or BSPP threaded sockets / <i>Manicotti per incollaggio metrici o manicotti filettati femmina BSPP</i>
CONTROL OPTIONS / OPZIONI DI COMANDO	Hand-operated / <i>Manuale</i>

Operating pressure / Pressione di esercizio

Maximum operating pressure for PVC-U: according to temperature as shown in graph.

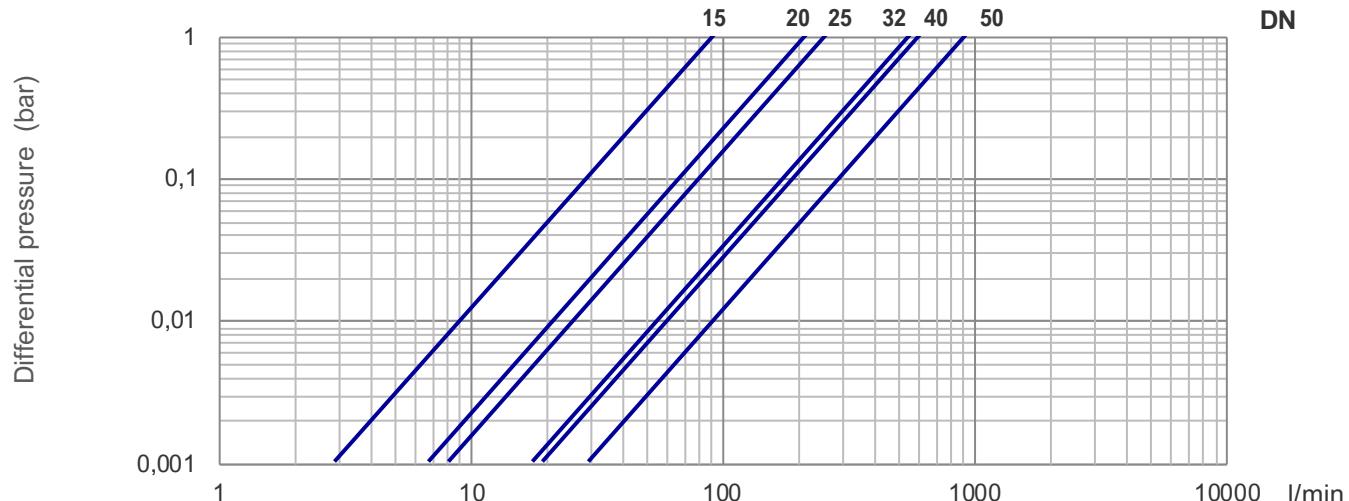
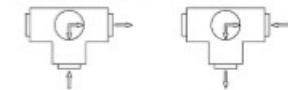
Massima pressione di esercizio per il PVC-U: secondo quanto indicato nel grafico in figura.



PVCu 3 way ball valves BT
PVCu Valvole a sfera a 3 vie BT

Pressure loss / Perdite di carico

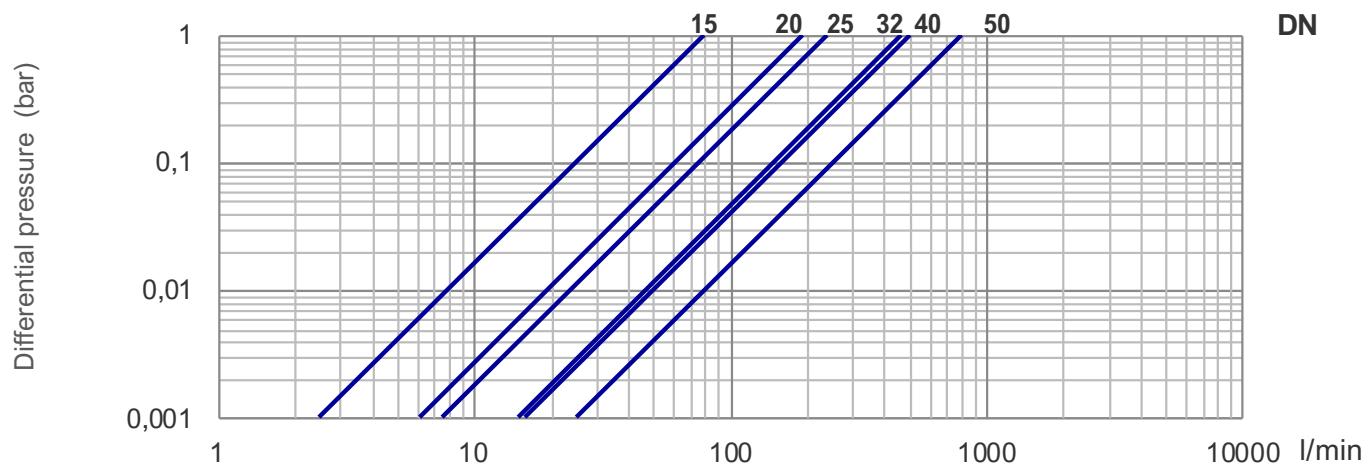
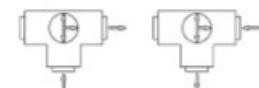
L Port / Porta L.



DN	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50
0.001 bar	2.9	6.9	8.3	17.8	19.3	29.4
1 bar	93	218	261	562	610	930

Pressure loss / Perdite di carico

T Port / Porta T.



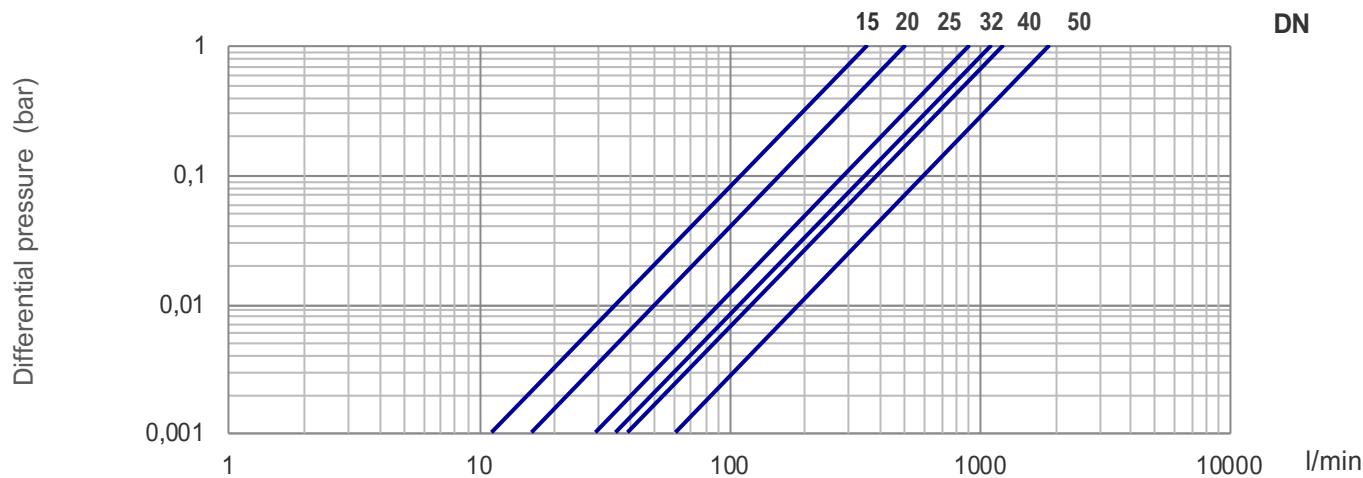
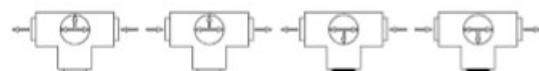
DN	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50
0.001 bar	2.5	6.2	7.6	15	16	25.5
1 bar	80	195	240	473	507	805

PVCu 3 way ball valves BT

PVCu Valvole a sfera a 3 vie BT

Pressure loss / Perdite di carico

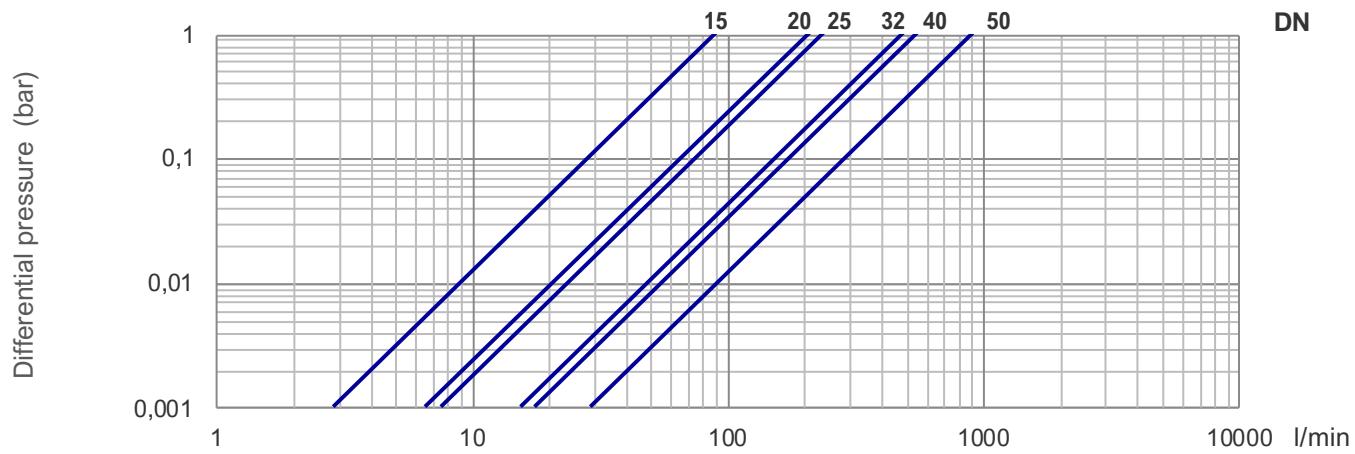
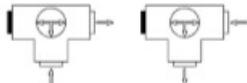
T Port / Porta T.



DN	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50
0.001 bar	6.5	11.4	16.3	35.6	40	61.3
1 bar	166	207	360	515	1127	1940

Pressure loss / Perdite di carico

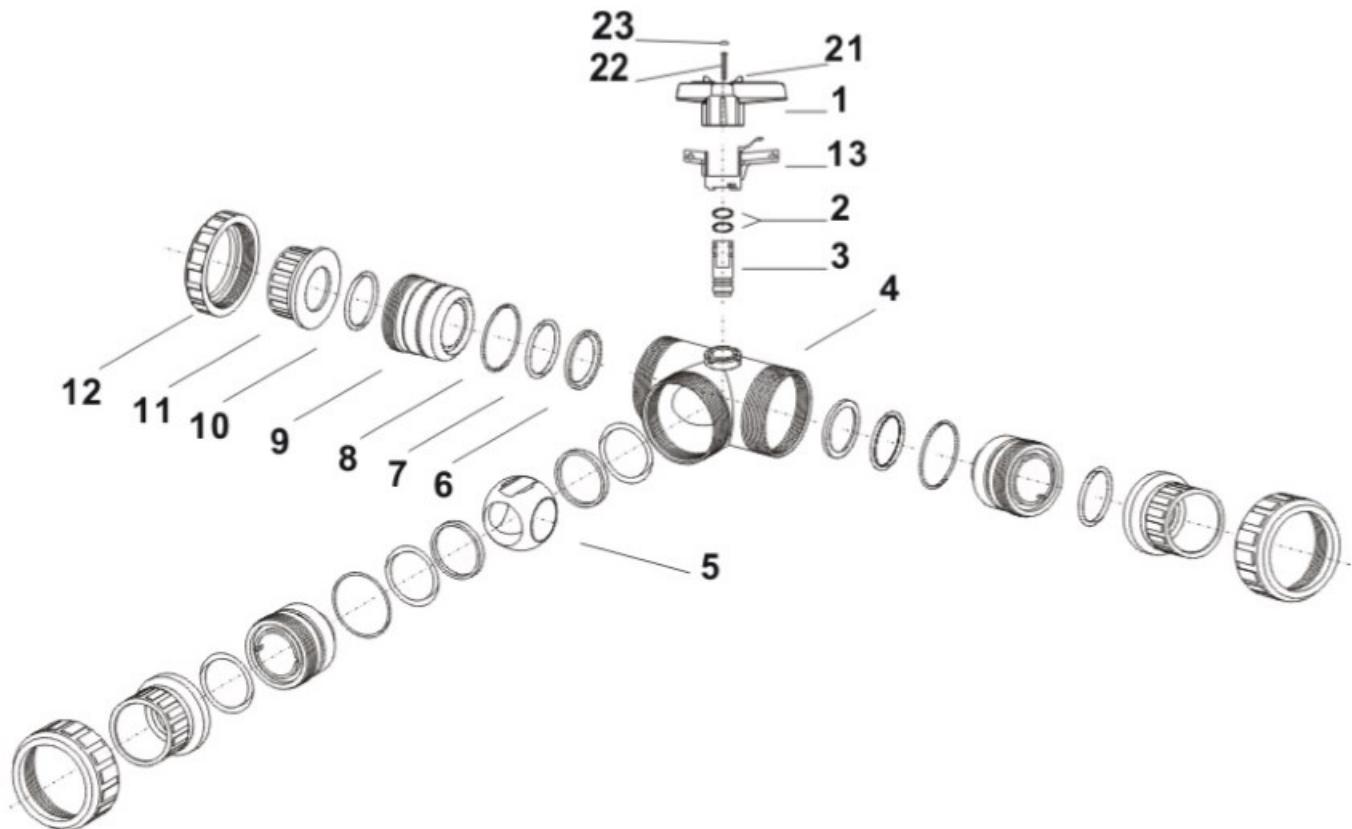
T Port / Porta T.



DN	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50
0.001 bar	2.9	6.6	7.6	15.5	17.6	29.1
1 bar	90	210	240	490	555	920

PVCu 3 way ball valves BT
PVCu Valvole a sfera a 3 vie BT

Components / Componenti



n.	COMPONENT
1	Handle / Maniglia
2	O-ring / O-ring
3	Stem / Asta
4	Body / Corpo
5	Ball L ot T / Sfera a L o T
6	Ball seat / Tenuta sfera
7	O-ring / O-ring
8	O-ring / O-ring

n.	COMPONENT
9	Thrust collar / Collare di spint
10	O-ring / O-ring
11	Socket / Manicotto
12	Nut / Ghiera
13	Spring loaded locking sleeve / Manicotto di blocco caricato a molla
21	Stub tenon for opening thrust collar / Troncone per apertura reggisinta
22	Screw / Vite
23	PLS-labeling insert / Inserito con etichetta PLS

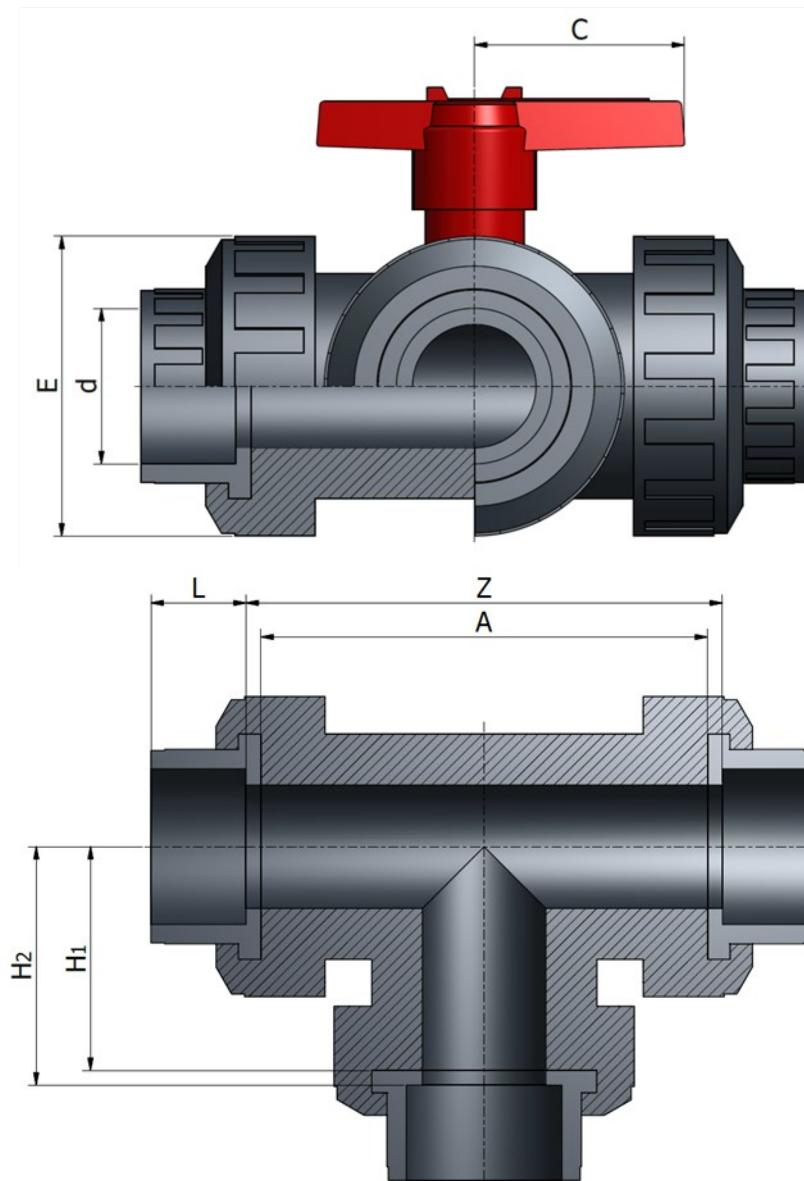
PVC-U 3-way ball valves

PVC-U Valvole a sfera a 3 vie

L-PORT - SOLVENT WELDED METRIC SOCKETS

SFERA A L - MANICOTTI METRICI PER INCOLLAGGIO

Rev. Apr 2019



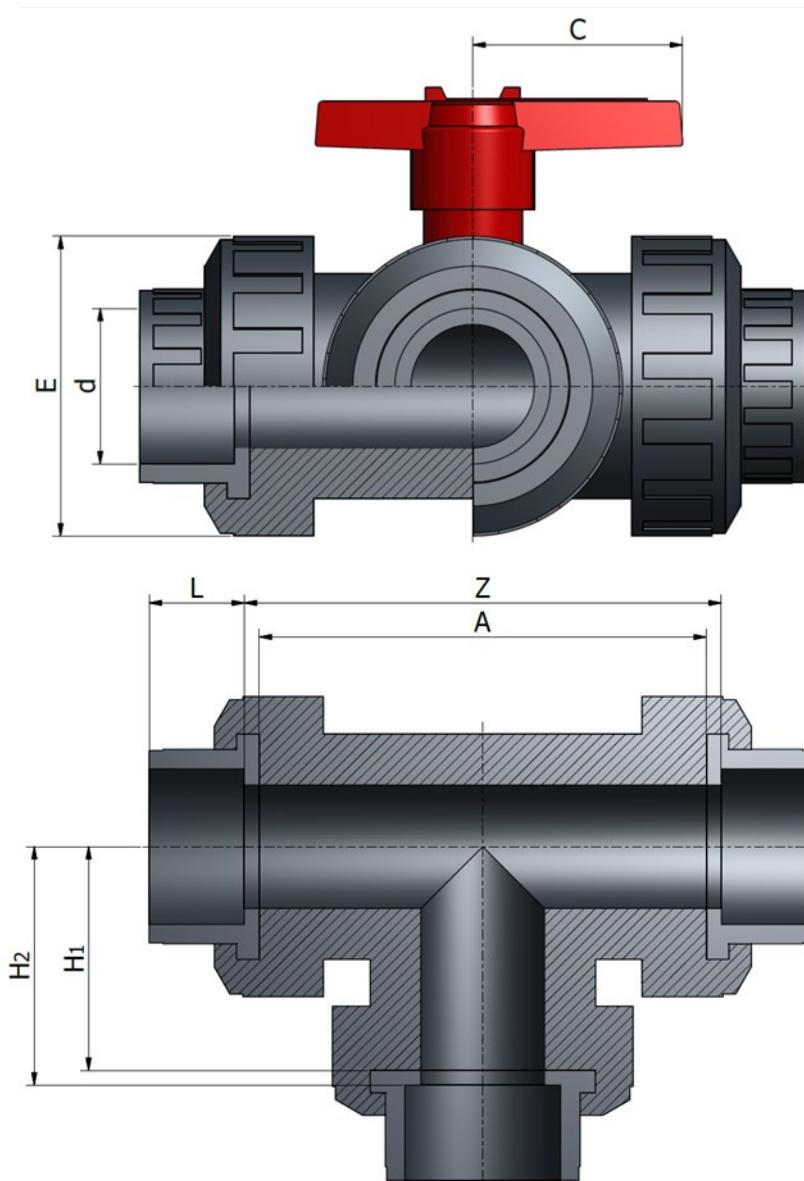
Code	DN	d	L	Z	A	H1	H2	C	E	PN	Weight (g)
BDRBTD025L	20	25	20	126	120	60	63	51,5	70	16	923
BDRBTD032L	25	32	22,5	126	120	60	63	51,5	70	16	691
BDRBTD050L	40	50	31,5	171	162	81	85,5	73	101	16	1839
BDRBTD063L	50	63	38,5	192	181	90,5	96	85	124,5	16	1520

PVC-U 3-way ball valves

PVC-U Valvole a sfera a 3 vie

T-PORT - SOLVENT WELDED METRIC SOCKETS
SFERA A T- MANICOTTI METRICI PER INCOLLAGGIO

Rev. Apr 2019



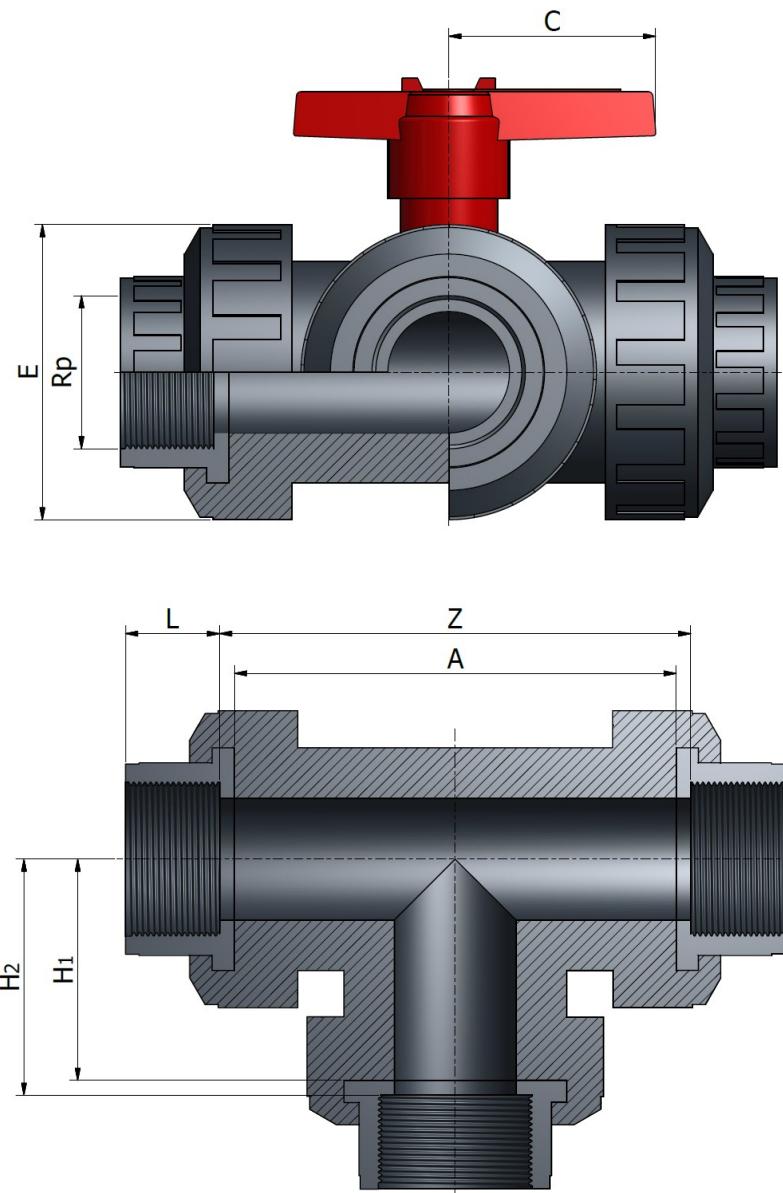
Code	DN	d	L	Z	A	H1	H2	C	E	PN	Weight (g)
BDRBTD025T	20	25	20	126	120	60	63	51,5	70	16	849
BDRBTD032T	25	32	22,5	126	120	60	63	51,5	70	16	693
BDRBTD050T	40	50	31,5	171	162	81	85,5	73	101	16	1845
BDRBTD063T	50	63	38,5	192	181	90,5	96	85	124,5	16	2800

PVC-U 3-way ball valves

PVC-U Valvole a sfera a 3 vie

L-PORT - BSPP THREADED SOCKETS
SFERA A L - MANICOTTI FILETTATI BSPP

Rev. Feb 2020



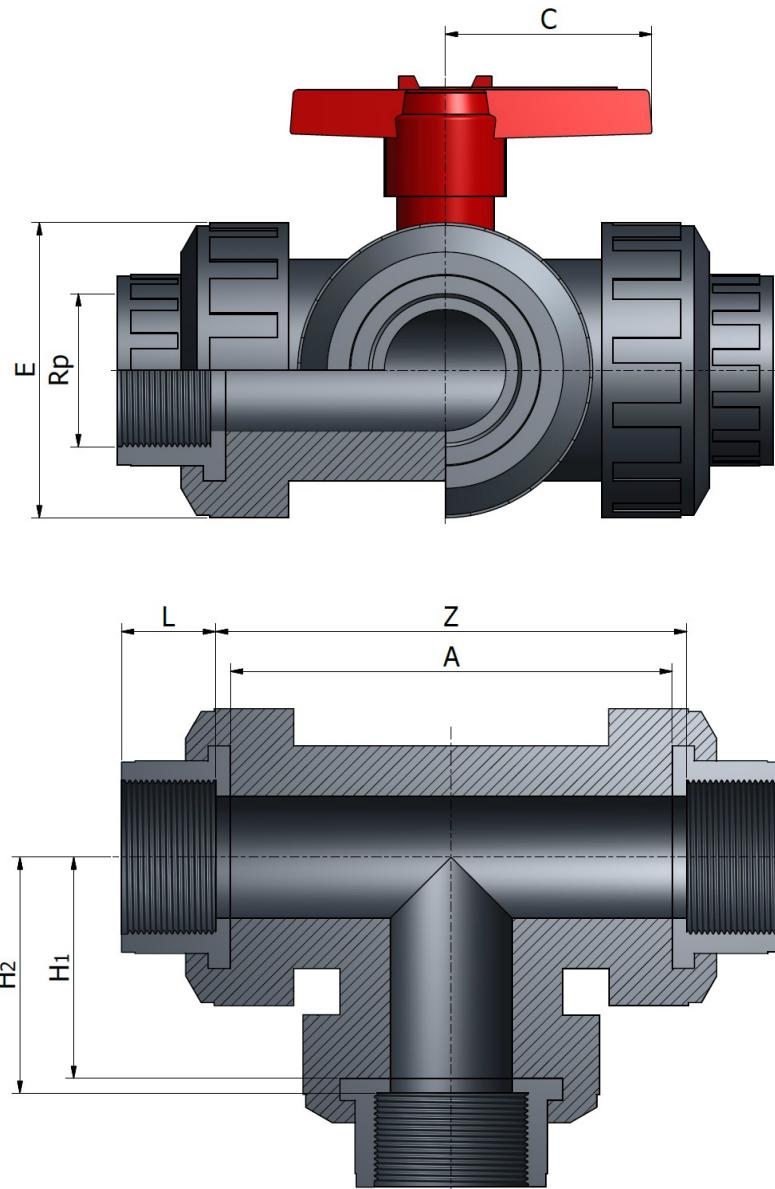
Code	DN	Rp	L	Z	A	H1	H2	C	E	PN	Weight (g)
BERBTE025L	20	3/4"	20	126	120	60	63	51,5	70	16	923
BERBTE032L	25	1"	23	126	120	60	63	51,5	70	16	691
BERBTE050L	40	1"1/2	31,5	171	162	81	85,5	73	101	16	1839
BERBTDE63L	50	2"	38,5	192	181	90,5	96	85	124,5	16	1520

PVC-U 3-way ball valves

PVC-U Valvole a sfera a 3 vie

T-PORT - BSPP THREADED SOCKETS SFERA A T - MANICOTTI FILETTATI BSPP

Rev. Feb 2020



Code	DN	Rp	L	Z	A	H1	H2	C	E	PN	Weight (g)
BERBTE025T	20	3/4"	20	126	120	60	63	51,5	70	16	923
BERBTE032T	25	1"	23	126	120	60	63	51,5	70	16	691
BERBTE050T	40	1"1/2	31,5	171	162	81	85,5	73	101	16	1839
BERBTDE63T	50	2"	38,5	192	181	90,5	96	85	124,5	16	1520

All descriptions and illustrations in this publication are intended for guidance only and shall not constitute a 'sale by description'. All dimensions given are nominal, while changes can be done on the information, products and specifications from time to time for a variety of reasons, without prior notice. The information in this publication is provided 'as is' on the revision date stated on the sheet. Updates will not be issued automatically. This information is not intended to have any legal effect, whether by way of advice, representation or warranty (express or implied). We accept no liability whatsoever (to the extent permitted by law) if you place any reliance on this publication you must do so at your own risk. All rights reserved. Copyright in this publication belongs to Polypipe Italia and all such copyright may not be used, sold, copied or reproduced in whole or part in any manner in any media to any person without prior consent. **EFFAST** is a registered trademark."