TRUE UNION BALL VALVE “322”



TECHNICAL FEATURES

- True union ball valve for irrigation and water supply systems.
- Free ball support and radial disassembly for quick, easy installation and convenient maintenance.
- Versions: ISO metric (1V322) and BS standard (3V322) plain solvent weld socket; BSP female threaded socket (1V321).



DN 10 ÷ 50

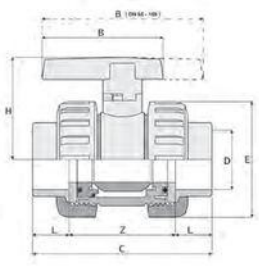
Shown on the title band: DN 65 ÷ 100.

TECHNICAL SPECIFICATIONS

Construction	True union grey PVC ball valve, with free ball support and radial disassembly
Size range	DN 10 ÷ 100
Nominal pressure	DN 10 ÷ 50: PN16 with water at 20 °C DN 65 ÷ 80: PN10 with water at 20 °C DN 100: PN6 with water at 20 °C
Temperature range	0 °C ÷ 60 °C
Coupling standards	Solvent welding: ISO 727, EN ISO 1452-4 (model 1V322); BS 4346-1 (model 3V322) Thread: UNI ISO 228-1, ISO 7-1, UNI EN ISO 1452-4 (model 1V321)
Valve material	PVC-U
Seal material	EPDM (O-ring) PE (ball seats)
Control options	Manual control

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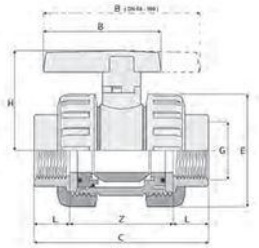
OVERALL DIMENSION



1V322

True union grey PVC ball valve, ISO metric plain solvent weld socket, with free ball support and radial disassembly. EPDM seals. PE ball seats.

D	PN	DN	L	Z	C	E	H	B	g	CODE
16	16	10	14	47	75	50	50	57	125	1V32216000H
20	16	15	16	48	80	50	50	57	130	1V32220000H
25	16	20	19	57	95	55	55	66	205	1V32225000H
32	16	25	22	64	108	63	63	75	300	1V32232000H
40	16	32	26	72	124	76	76	90	450	1V32240000H
50	16	40	31	84	146	88	88	103	710	1V32250000H
63	16	50	38	96	172	102	102	121	1150	1V32263000H
75	10	65	44	142	230	138	138	225	3400	1V32275000LW
90	10	80	51	142	244	138	138	225	3500	1V32290000LW
110	6	100	61	162	284	171	171	280	5900	1V32211000LW



1V321

True union grey PVC ball valve, BSP female threaded socket, with free ball support and radial disassembly. EPDM seals. PE ball seats.

G	PN	DN	L	Z	C	E	H	B	g	CODE
3/8"	16	10	13	49	75	50	50	57	130	1V32116000H
1/2"	16	15	17	46	80	50	50	57	135	1V32120000H
3/4"	16	20	19	57	95	59	55	66	215	1V32125000H
1"	16	25	22	64	108	68	63	75	310	1V32132000H
1"1/4	16	32	24	76	124	80	76	90	460	1V32140000H
1"1/2	16	40	24	98	146	96	88	103	730	1V32150000H
2"	16	50	29	114	172	116	102	121	1200	1V32163000H
2"1/2	10	65	33	164	230	168	138	225	3400	1V32175000LW
3"	10	80	36	172	244	168	138	225	3550	1V32190000LW
4"	6	100	42	200	284	210	171	280	5900	1V32111000LW

TRUE UNION BALL VALVE “322”

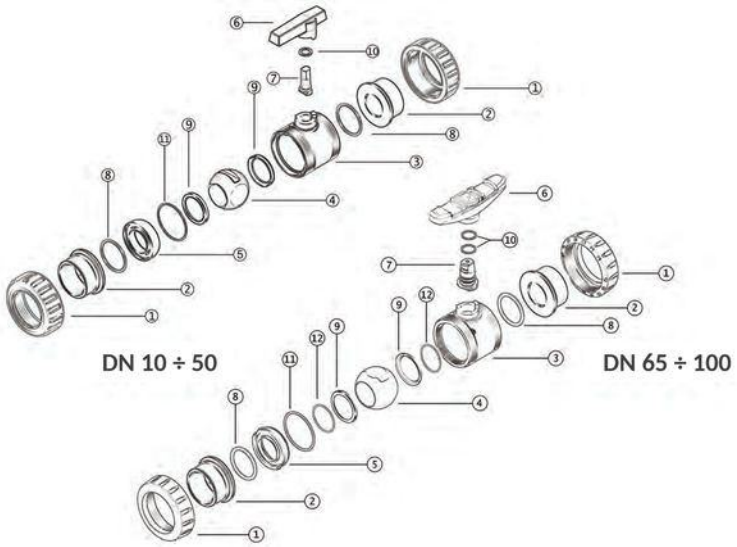
3V322

True union grey PVC ball valve, BS standard plain solvent weld socket, with free ball support and radial disassembly. EPDM seals. PE ball seats. Dimension drawing as 1V322.

G	PN	DN	L	Z	C	E	H	B	g	CODE
3/8"	16	10	15	45	75	50	50	57	125	3V32216000H
1/2"	16	15	17	46	80	50	50	57	130	3V32220000H
3/4"	16	20	19	57	95	59	55	66	205	3V32225000H
1"	16	25	22	64	108	68	63	75	300	3V32232000H
1"1/4	16	32	26	72	124	80	76	90	450	3V32240000H
1"1/2	16	40	31	84	146	96	88	103	710	3V32250000H
2"	16	50	38	96	172	116	102	121	1150	3V32263000H
2"1/2	10	65	44	142	230	168	138	225	3400	1V32275000LW
3"	10	80	51	142	244	168	138	225	3500	3V32290000LW
4"	6	100	61	162	284	210	171	280	5900	3V32211000LW

Dimensions in mm; weight (g) in grams.

COMPONENTS



No.	COMPONENT	MATERIAL	QTY	No.	COMPONENT	MATERIAL	QTY
1	Nut	PVC-U	2	7	Stem	PVC-U	1
2	Union end	PVC-U	2	8	Socket O-ring	EPDM	2
3	Body	PVC-U	1	9	Ball seat	PE	2
4	Ball	PVC-U	1	10*	Stem O-ring	EPDM	1
5	Support	PVC-U	1	11	Radial O-ring	EPDM	1
6	Handle	PVC-U	1	12**	Ball seat O-ring	EPDM	2

** 2 pcs for DN 65 ÷ 100. ** Only for DN 65 ÷ 100. Specifications are subject to change without notice.*