TRUE UNION BALL VALVE “420”



TECHNICAL FEATURES

TRUE UNION BALL VALVE FOR SWIMMING POOLS AND WATER SUPPLY SYSTEMS

- The 420 is a true union ball valve for swimming pools and water supply systems, with fixed ball support and radial disassembly, which allow a simple and safe installation and a reliable service over time.
- Versions available: ISO metric (1V420) and BS standard (3V420) plain solvent weld socket, BSP female threaded socket (1V421).
- Available to be produced in other international standards (ASTM, JIS, NPT) upon request.



DN 10 ÷ 50



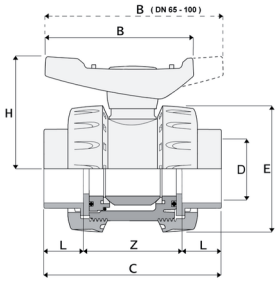
DN 65 ÷ 100

TECHNICAL SPECIFICATIONS

Construction	True union grey PVC spheric ball valve, with fixed ball support and radial disassembly
Size range	DN 10 ÷ 100
Nominal pressure	DN 10 ÷ 50: PN16 with water at 20°C DN 65 ÷ 100: PN10 with water at 20°C
Temperature range	0 °C ÷ 60 °C
Coupling standards	**Solvent welding:** ISO 727, EN ISO 1452-4 (model 1V420); BS4346-1 (model 3V420) **Thread:** UNI ISO 228-1, ISO 7-1, UNI EN ISO 1452-4 (model 1V421)
Valve material	PVC-U grey
Seal material	EPDM (O-Ring); PE (ball seats)
Control options	Manual control

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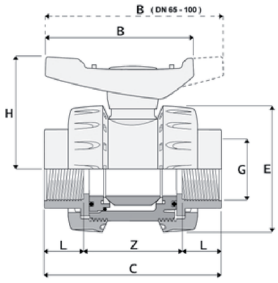
DIMENSIONS



1V420

True union grey PVC spheric ball valve, ISO metric plain solvent weld socket, with fixed 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	54	82	53	51	66	150	1V42001600
20	16	15	16	50	82	53	51	66	145	1V42002000
25	16	20	19	53	91	62	59	77	220	1V42002500
32	16	25	22	59	103	71	66	88	315	1V42003200
40	16	32	26	68	120	84	77	102	505	1V42004000
50	16	40	31	77	139	98	87	117	725	1V42005000
63	16	50	38	98	174	117	105	140	1245	1V42006300
75	10	65	44	142	230	168	138	225	3400	1V42007500
90	10	80	51	142	244	168	138	225	3500	1V42009000
110	10	100	61	162	284	210	171	280	5900	1V42011000

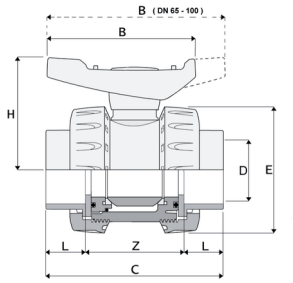


1V421

True union grey PVC spheric ball valve, BSP female threaded socket, with fixed 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	56	82	53	51	66	150	1V42101600
1/2"	16	15	17	56	90	53	51	66	145	1V42102000
3/4"	16	20	19	55	93	62	59	77	225	1V42102500
1"	16	25	22	66	110	71	66	88	320	1V42103200
1"1/4	16	32	24	79	127	84	77	102	515	1V42104000
1"1/2	16	40	24	83	131	98	87	117	735	1V42105000
2"	16	50	29	103	161	117	105	140	1260	1V42106300
2"1/2	10	65	33	164	230	168	138	225	3400	1V42107500
3"	10	80	36	172	244	168	138	225	3500	1V42109000
4"	10	100	42	200	284	210	171	280	5900	1V42111000

TRUE UNION BALL VALVE “420”



3V420

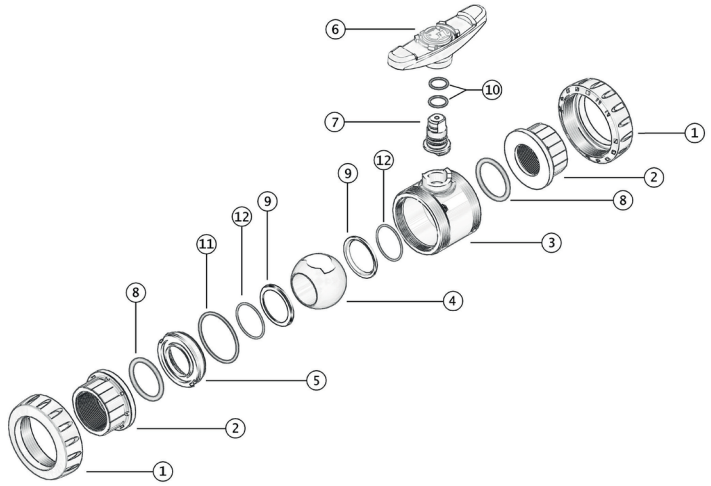
True union grey PVC spheric ball valve, BS Standard plain solvent weld socket, with fixed ball support and radial disassembly.
EPDM seals.
PE ball seats.

D	PN	DN	L	Z	C	E	H	B	g	Code
3/8"	16	10	15	52	82	53	51	66	150	3V42001600
1/2"	16	15	17	48	82	53	51	66	145	3V42002000
3/4"	16	20	19	53	91	62	59	77	220	3V42002500
1"	16	25	22	59	103	71	66	88	315	3V42003200
1"1/4	16	32	26	68	120	84	77	102	505	3V42004000
1"1/2	16	40	31	77	139	98	87	117	725	3V42005000
2"	16	50	38	98	174	117	105	140	1245	3V42006300
2"1/2	10	65	44	142	230	168	138	225	3400	1V42007500
3"	10	80	51	142	244	168	138	225	3500	3V42009000
4"	10	100	61	162	284	210	171	280	5900	3V42011000

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COMPONENTS

EXPLODED VIEW



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

**2 pcs for DN 65÷100*

***Only for DN 65÷100*

Inside brackets are indicated the material and the quantity supplied for each component.

Dimensions in mm; g = weight in grams. Specifications are subject to change without notice.