

## 2/2- and 3/2-way Ball Valve with manual override, plastic body, DN10-100

- Application for aggressive media
- High flow-rate
- Safe blocked union nuts with Dual Block® Technology <sup>1)</sup>



Type 2657 can be combined with...



**Typ 2050**

Pneumatic actuator



**Type 3003**

Electric actuator

2/2- and 3/2-way ball valves with manual override in plastic for separating medium flow. There are different body versions and materials can be ordered to suit various applications.

### Special feature

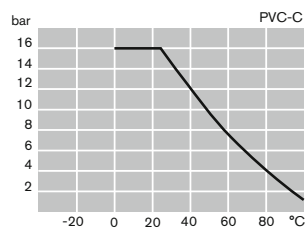
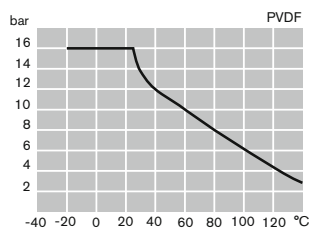
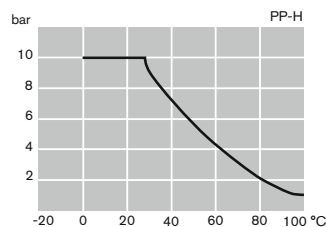
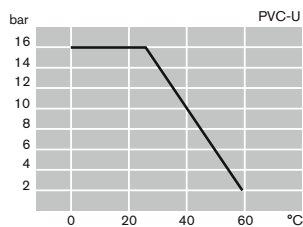
The ball valves are equipped with the so-called Dual Block® Technology. This system serves as a safety device for the union nuts. It prevents these separating during operation.

### Technical Data

<b>Body material</b>	PVC-U, PP (PVDF, PVC-C on request)
<b>Seal material</b>	PTFE / EPDM, PTFE / FKM
<b>Media temperature</b>	(see diagram on p2)
PVC-U	0 to +60°C
PP	+10 to +80°C
PVDF	0 to +120°C
<b>Port connection</b>	
PVC-U	True union
PP, (PVDF on request)	Fusion spigot
<b>Operating pressure</b>	0 - 10bar; 0 - 16bar

<sup>1)</sup> Dual Block® Technology is a registered trademark of FIP - Formatura Iniezione Polimeri S.p.A

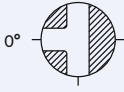
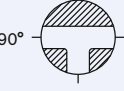
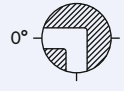
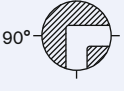
### Pressure Temperature Chart



## Ordering chart 2/2-way Ball Valve (further versions on request)

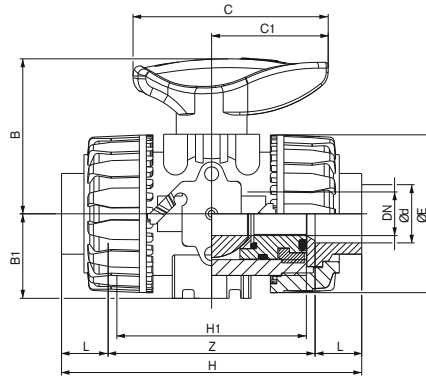
Orifice [mm]	Port connection Ø [mm]	$k_{vs}$ value for water [m <sup>3</sup> /h]	Pressure range PVC-U, PVDF [bar]	Pressure range PP [bar]	Item no. true union PVC	Item no. fusion spigot PP
<b>Seal material PTFE/EPDM</b>						
10	16	4,8	0-16	0-10	176 462	176 469
15	20	12	0-16	0-10	176 463	176 470
20	25	23	0-16	0-10	176 464	176 471
25	32	46	0-16	0-10	176 465	176 472
32	40	66	0-16	0-10	176 466	176 473
40	50	105	0-16	0-10	176 467	176 474
50	63	204	0-16	0-10	176 468	176 475
65	75	315	0-16	0-10	202 660	252 587
80	90	426	0-16	0-10	185 991	238 514
100	110	570	0-16	0-10	202 750	254 604
<b>Seal material PTFE/FKM</b>						
10	16	4,8	0-16	0-10	176 476	176 483
15	20	12	0-16	0-10	176 477	176 484
20	25	23	0-16	0-10	176 478	176 485
25	32	46	0-16	0-10	176 479	176 486
32	40	66	0-16	0-10	176 480	176 487
40	50	105	0-16	0-10	176 481	176 488
50	63	204	0-16	0-10	176 482	176 489
65	75	315	0-16	0-10	182 519	on request
80	90	426	0-16	0-10	185 855	on request
100	110	570	0-16	0-10	205 537	on request

## Ordering chart 3/2-way Ball Valve, PVC (further versions on request)

Switched position	Orifice [mm]	Port connection Ø [mm]	$k_{vs}$ value for water [m <sup>3</sup> /h]	Pressure range PP [bar]	Item no. seal material EPDM	Item no. seal material FKM
T1  0°  90°	10	16	1.5	0-16	209 890	186 022
	15	20	2.1	0-16	209 891	186 023
	20	25	5.7	0-16	209 892	186 024
	25	32	8.4	0-16	209 893	186 025
	32	40	16.2	0-16	209 894	186 026
	40	50	19.8	0-16	209 895	186 027
	50	63	37.2	0-16	209 896	186 028
L4  0°  90°	10	16	2.8	0-16	209 897	186 015
	15	20	4.3	0-16	209 898	186 016
	20	25	9.0	0-16	209 899	186 017
	25	32	15.9	0-16	209 900	186 018
	32	40	28.5	0-16	202 689	186 019
	40	50	37.2	0-16	209 901	186 020
	50	63	67.2	0-16	209 902	186 021

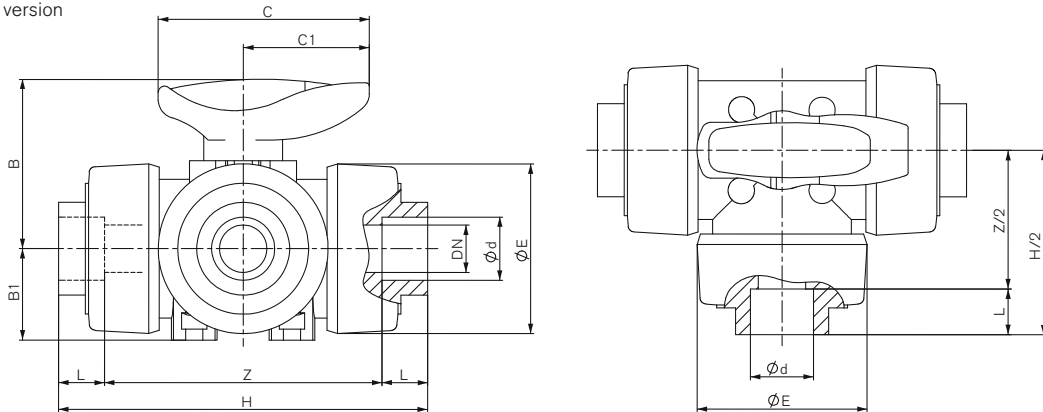
## Dimensions [mm]

2/2-way version



Ød	DN	L	Z	H	H1	ØE	B	B1	C	C1	Weight [g]
16	10	14	75	103	65	54	54	29	67	40	215
20	15	16	71	103	65	54	54	29	67	40	205
25	20	19	77	115	70	65	65	34,5	85	49	330
32	25	22	84	128	78	73	69,5	39	85	49	438
40	32	26	94	146	88	86	82,5	46	108	64	693
50	40	31	102	164	93	98	89	52	108	64	925
63	50	38	123	199	111	122	108	62	134	76	1577
75	65	44	147	235	133	164	164	87	225	175	4380
90	80	51	168	270	149	203	177	105	327	272	7200
110	100	61	186	308	167	238	195	129	385	330	11141

3/2-way version



Ød	DN	L	Z	H	ØE	B	B1	C	C1	Weight [g]
16	10	14	90	118	54	54	29	67	40	310
20	15	16	86	118	54	54	29	67	40	310
25	20	19	107	145	65	65	34,5	85	49	550
32	25	22	116	160	73	69,5	39	85	49	790
40	32	26	136,5	188,5	86	82,5	46	108	64	1275
50	40	31	157	219	98	89	52	108	64	1660
63	50	38	190,5	266,5	122	108	62	134	76	2800

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