

Ball Valve, Plastic

Construction

The GEMÜ 717 manually operated 2/2 or 3/2-way plastic ball valve has a low maintenance, corrosion-resistant operator. The ball valve is designed to meet the stringent requirements of the chemical industry.

Features

- Suitable for inert and corrosive* liquid and gaseous media
- The union ended body enables the valve to be installed in the pipeline without additional components.

Advantages

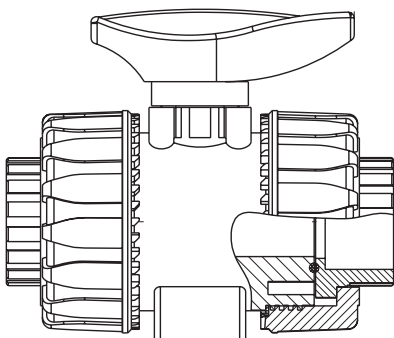
- Good flow capability
- Low weight
- Locking mechanism to secure union nuts to prevent accidental loosening, e.g. by vibration
- Optional accessories for the 2/2-way ball valve:
 - Mounting plate DN 15 - DN 25 article no. 88290237
 - Mounting plate DN 32 - DN 50 article no. 88290238Please order separately.

*see information on working medium on page 2

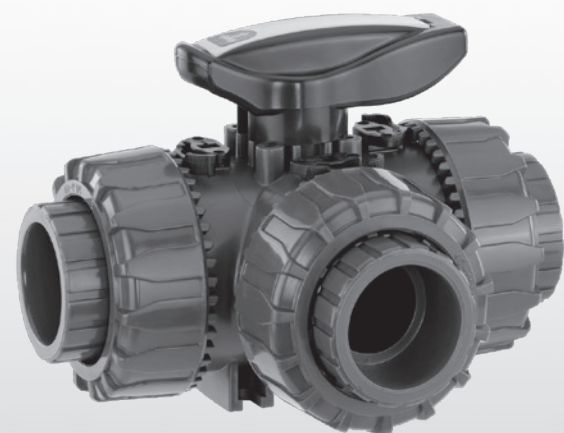
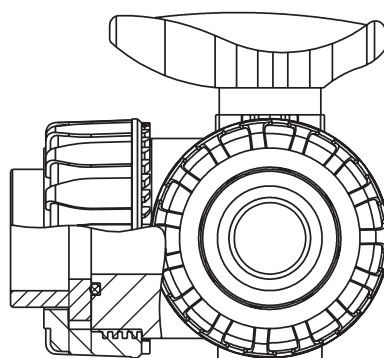


GEMÜ 717

Straight through 2/2-way



Straight through 3/2-way



Technical data

Working medium

Corrosive, inert, gaseous and liquid media which have no negative impact on the physical and chemical properties of the body and seal material.

Max. perm. pressure of working medium 10 bar*
(for water and non-hazardous media to which the body material is resistant)

Maximum permissible temperature of working medium:

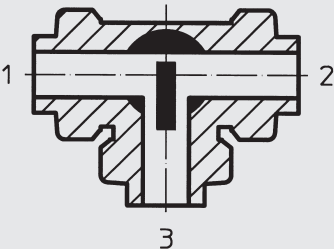
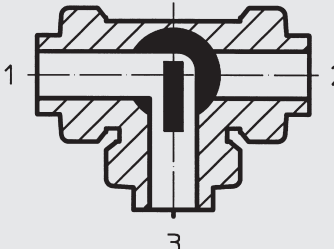
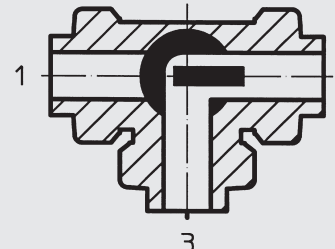
* See data sheet "Technical Information on Plastic Materials"

Tightness

Tightness: EN 12266-1 / leakage rate A

Nominal size	Kv value [l/min]		Weight [g]					
	2/2-way	3/2-way	PVC-U		PP		PVDF	
DN	2/2-way	3/2-way	2/2-way	3/2-way	2/2-way	3/2-way	2/2-way	3/2-way
15	200	dependent on ball configuration and port position	205	310	145	207	272	390
20	385		330	550	218	353	445	669
25	770		438	790	298	498	584	952
32	1100		693	1275	480	895	938	1501
40	1750		925	1660	682	1022	1242	1959
50	3400		1577	2800	1166	1945	2187	3324
65	5250		4380	-	3090	-	5653	-
80	7100		7200	-	5080	-	9590	-
100	9500		11141	-	7725	-	14650	-

Port positions

T - port	L - port	
		
T - port can be rotated through 360°	As supplied	Optional port positions, can be user adjusted

Order data

Body configuration	Code
Straight through (2/2-way)	D
Multi-port (3/2-way)	M

Seal material	Code
Seat: PTFE/O-rings: FPM	4
Seat: PTFE/O-rings: EPDM (only with PVC-U)	14

Connection	Code
Solvent cement/welded sockets (DIN) Further connections by using inserts see table below	2

Control function	Code
Manually operated	0

Valve body material	Code
PVC-U, grey	1
PP (only seal material code 4)	5
PVDF (only body configuration D/only seal material code 4)	20

Ball configuration (only with body type M)	Code
T-port	T
L-port	L

Order example	717	15	M	2	1	14	0	T
Type	717							
Nominal size		15						
Body configuration (code)			M					
Connection (code)				2				
Valve body material (code)					1			
Seal material (code)						14		
Control function (code)							0	
Ball configuration (code)								T

Inserts for connections other than standard solvent cement/welded sockets*

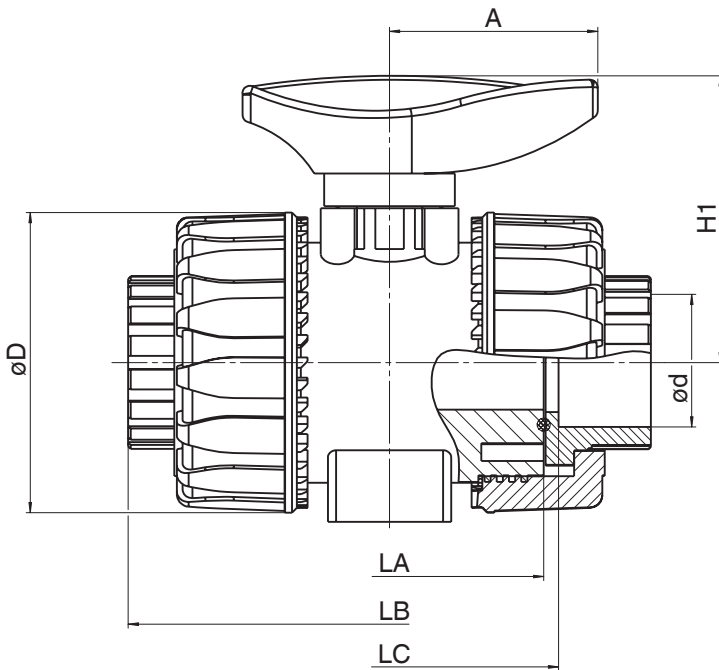
DN	Butt weld spigots		Threaded sockets		
	Valve body material		Threads	Valve body material	
	PE	PP		PVC-U	PP
15	CVDE 020	CVDM 020	G 1/2	POFV 012	POFM 012
20	CVDE 025	CVDM 025	G 3/4	POFV 034	POFM 034
25	CVDE 032	CVDM 032	G 1	POFV 100	POFM 100
32	CVDE 040	CVDM 040	G 1 1/4	POFV 114	POFM 114
40	CVDE 050	CVDM 050	G 1 1/2	POFV 112	POFM 112
50	CVDE 063	CVDM 063	G 2	POFV 200	POFM 200
65	CVDE 075	CVDM 075	G 2 1/2	POFV 212	POFM 212
80	CVDE 090	CVDM 090	G 3	POFV 300	POFM 300
100	CVDE 110	CVDM 110	G 4	POFV 400	POFM 400

* Please order separately

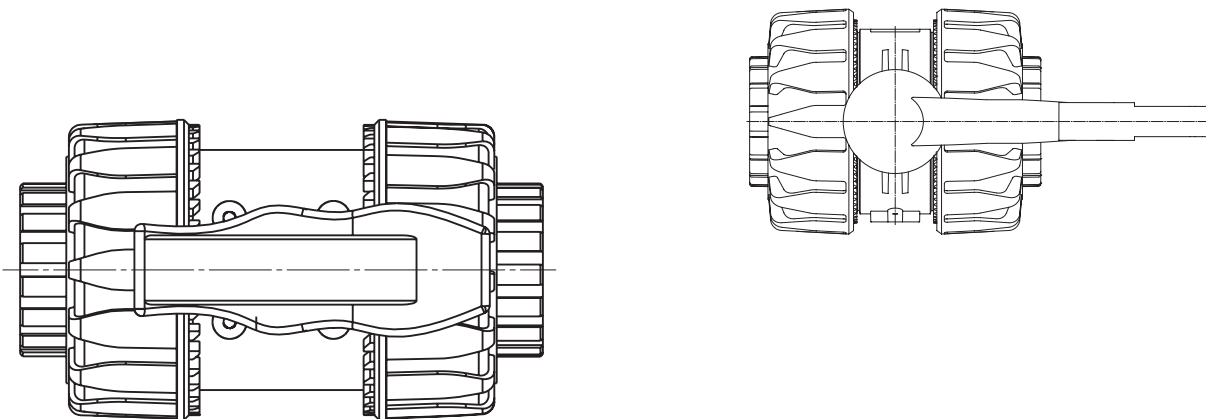
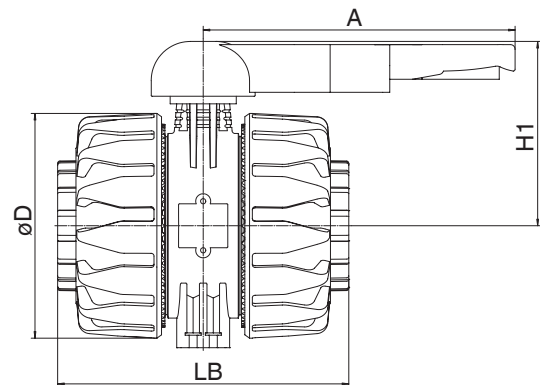
Body dimensions - 2/2-way version [mm]
Valve body material: PVC-U (code 1). PP (code 5). PVDF (code 20)

DN	LA			LB			LC			H1	øD	ød	A
	PVC-U	PP	PVDF	PVC-U	PP	PVDF	PVC-U	PP	PVDF				
15		65		103	102		71	73		54.0	54	20	40
20		70		115	114		77	82		65.0	65	25	49
25		78		128	126		84	90		69.5	73	32	49
32	88		85	146	141		94	100		82.5	86	40	64
40		93		164	164		102	117		89.0	98	50	64
50		111			199		123	144		108.0	122	63	76
65		133		235	213			147		164.0	164	75	175
80		149		270	239			168		177.0	203	90	272
100		167		308	268			186		195.0	238	110	330

DN 15 - 50

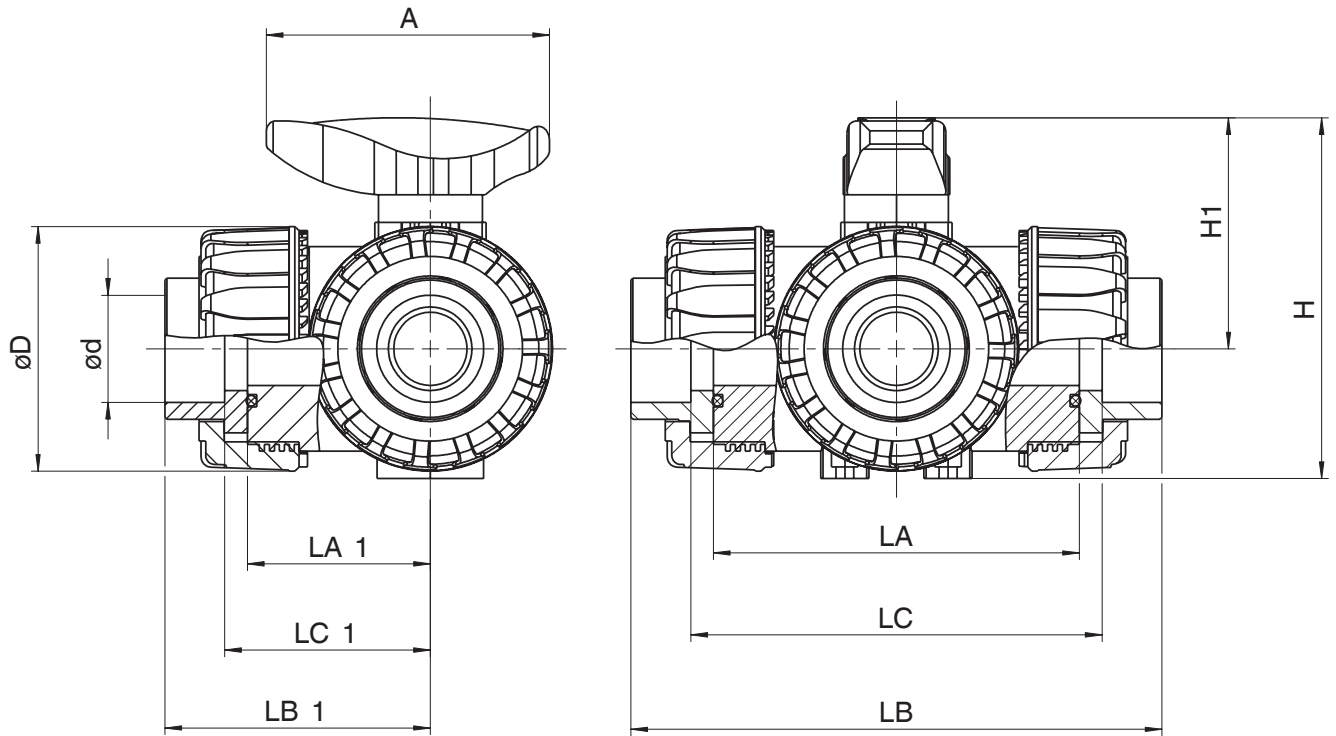


DN 65 - 100



Body dimensions - 3/2-way version [mm]
Valve body material: PVC-U (code 1), PP (code 5), PVDF (code 20)

DN	LA	LB	LC	LA1	LB1	LC1	H	H1	øD	ød	A
15	80	118.0	86.0	40.0	59.0	43.0	83.0	54.0	54	20	67
20	100	145.0	107.0	50.0	72.5	53.5	99.5	65.0	65	25	85
25	110	160.0	116.0	55.0	80.0	58.0	108.5	69.5	73	32	85
32	131	188.5	136.5	65.5	94.3	68.3	128.5	82.5	86	40	108
40	148	219.0	157.0	74.0	109.5	78.5	141.0	89.0	98	50	108
50	179	266.5	190.5	89.5	133.3	95.3	170.0	108.0	122	63	134



Other plastic ball valves



GEMÜ 710
Plastic ball valve,
pneumatically operated



GEMÜ 723
Plastic ball valve,
motorized

For further ball valves, accessories and other products, please see our Product Range catalogue and Price List.
Contact GEMÜ.



GEMÜ® VALVES, MEASUREMENT
AND CONTROL SYSTEMS