Ball Valve, Plastic Design

2/2 way, 3/2 way, manually operated

Construction

- Corrosion-free all plastic construction
- Maintenance-free

Features

- Suitable for inert and corrosive liquid media
- Simple installation using union body

Advantages

- High flow rate
- Low weight
- Optional accessories:
  - Stroke limiter
  - Optical position indicator

Working medium

Suitable for any inert or corrosive liquid, subject to the correct choice of body and seal materials.	
Max. perm. pressure of working medium (for water and non-hazardous media to which the body material is resistant)	10 bar*
Max. perm. temperature of working medium	60°C*

* See datasheet "Technical Information on Plastic Materials"

Nominal size	K_V value		Weight (g)				
(mm)	l/min		PVC-U		PP		PVDF
	Body type D	Body type M	Body type D	Body type M	Body type D	Body type M	Body type D
15	200	depending on ball confi-guration and ball position	195	245	135	175	245
20	385		310	385	208	270	375
25	770		440	560	300	400	540
32	1100		645	875	430	615	785
40	1750		880	1290	630	860	1080
50	3400		1490	2085	1055	1400	1860

Body type	Ref. no.
Straight through (2/2 way)	D
Multi-port (3/2)	M

Seal material	Ref. no.
Seat: PTFE/O-rings: FPM	4
Seat: PTFE/O-rings: EPDM	14

Connection	Ref. no.
Solvent cement/welded sockets (DIN) Further connections by inserts see table page 4	2

Control function	Ref. no.
Manually operated	0

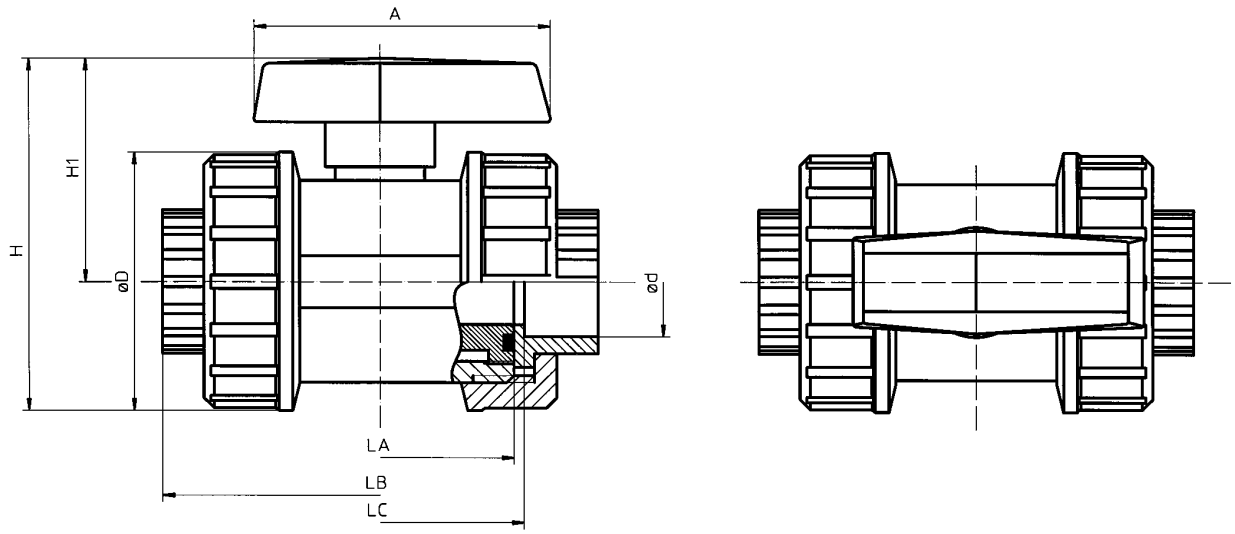
Valve body material	Ref. no.
PVC-U	1
PP	5
PVDF (only body type D/ seal mat. 4)	20

Ball configuration (only with body type M)	Ref. no.
T ball	T
L ball	L

Order example	708	15	M	2	1	14	0	-	-	T
Type	708									
Nominal size (mm)		15								
Body type (reference number)			M							
Connection (reference number)				2						
Valve body material (reference number)					1					
Seal material (reference number)						14				
Control function (reference number)							0			
Ball configuration (only with body type M) (reference number)										T

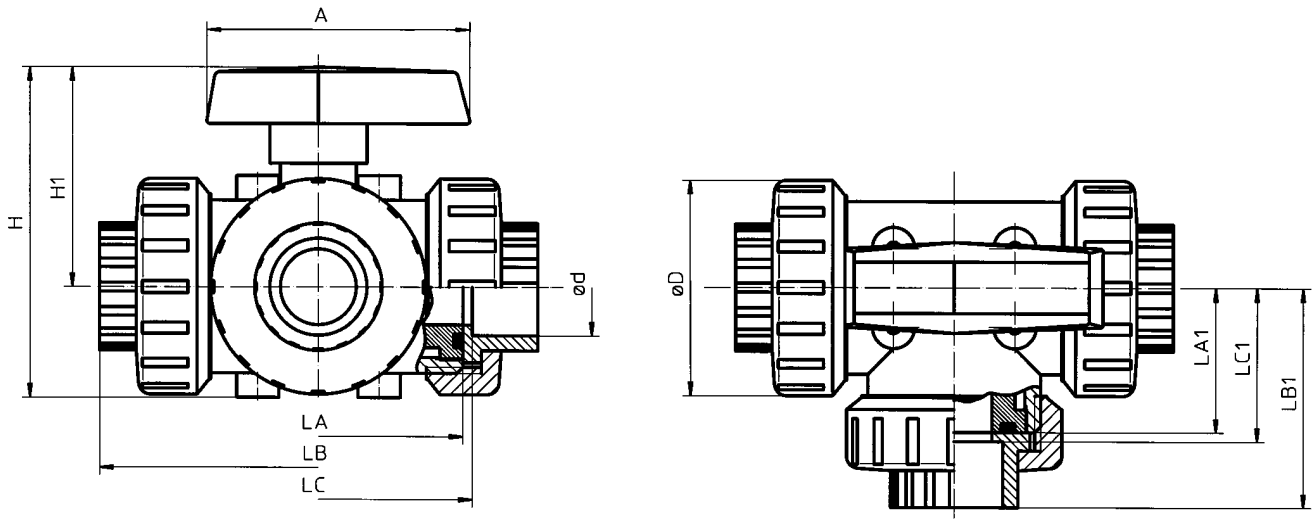
Body dimensions 2/2 way design (mm)

DN	LA	LB	LC	A	H	H1	øD	ød
15	65	102	71	66	77	49	55	20
20	70	115	77	75	92	59	66	25
25	77	128	84	85	104	66	75	32
32	87	146	94	97	109	75	87	40
40	91	164	102	110	137	87	100	50
50	110	199	123	134	162	101	122	63



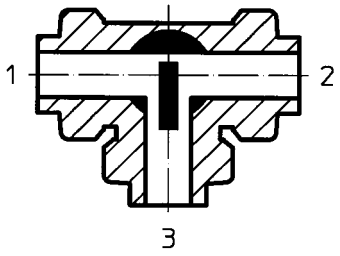
Body dimensions 3/2 way design (mm)

DN	LA	LB	LC	LA1	LB1	LC1	A	H	H1	øD	ød
15	70	108	76	36	54	38	65	79	51	53	20
20	83	128	90	42	64	45	76	93	60	62	25
25	94	144	100	49	72	50	85	104	67	71	32
32	115	173	121	60	87	61	100	118	75	84	40
40	131	197	135	69	99	68	112	140	89	98	50
50	155	243	167	78	122	84	137	165	105	117	63

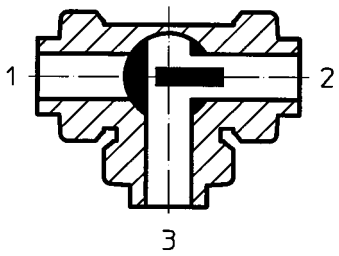


Ball positions

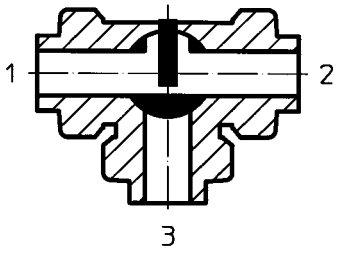
T ball



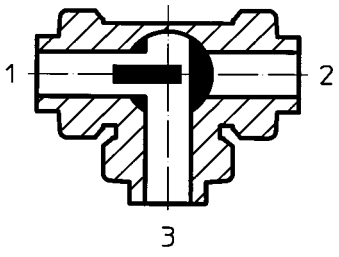
Position 1



Position 1

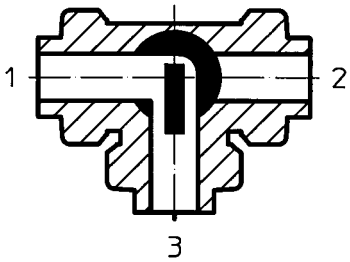


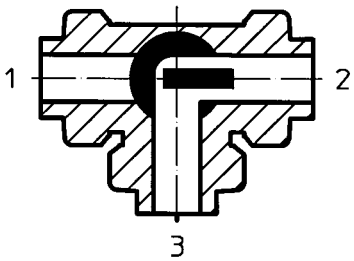
Position 3



Position 4

L ball





Inserts for further connections *(please order separately)*

	Butt weld spigots		Threaded sockets		
Valve body materials	**PE**	**PP**		**PVC-U**	**PP**
DN			**Threads**		
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

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