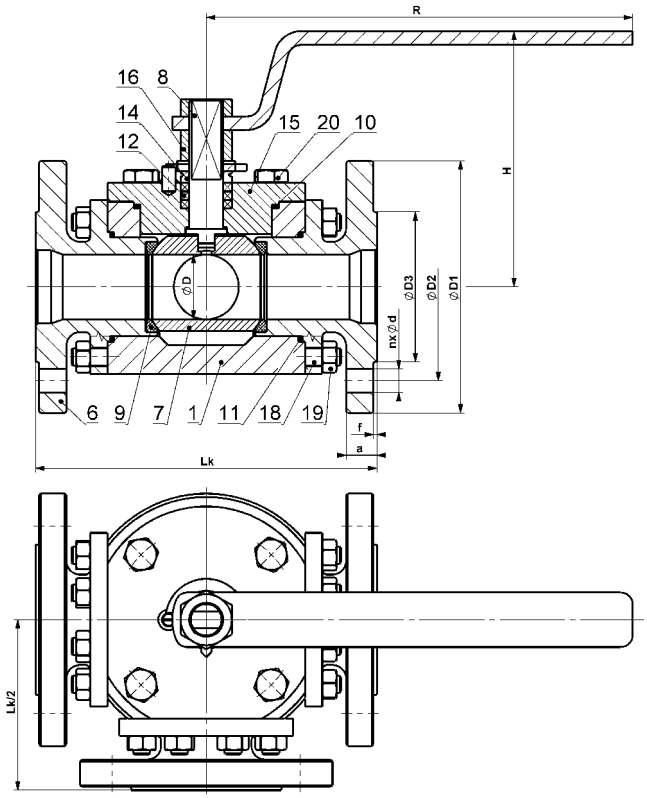
THREE-WAY FLANGED BALL VALVE

with four seats, with stuffing box, with full bore “L” or “T”
KM 9308.X-02-SB
DN 10–150 PN 16–250



Materials

Type KM 9308.**X**-02-SB		Material			
		Carbon steel		Stainless steel	
Position	Component	**X=1** For common temperatures from −20°C to +230°C	**X=5** For low temperatures from −46°C to +230°C	**X=3** For temperatures from −60°C to +230°C	**X=4** For temperatures from −60°C to +230°C
1	Body	1.0577, S355J2	1.0565, A350 LF2	1.4541, A182 F321	1.4571, A182 F316
6	Cover				
7	Ball	1.4021, ČSN 17 027	1.4541, A182 F321 ČSN 17 027	1.4541, A182 F321	1.4571, A182 F316
8	Stem				
9	Seat	PTFE+C, PEEK			
10	Gasket	Graphite			
11	Gasket	Graphite			
12	Packing	Graphite			
14	Gland cover	1.4021, ČSN 17 027			
15	Cover	1.0577, S355J2	1.0565, A350 LF2	1.4541, A182 F321	1.4571, A182 F316
16	Nut	Cl.8, A194 Gr. 2H	A2-70, A194 Gr. 7	A2-70, A194 Gr. 8	A2-70, A194 Gr. 8
18	Bolt	8.8, A2-70, A193 B7	A2-70, A320 L7	A2-70, A193 B8	A2-70, A193 B8
19	Nit	Cl.8, A2-70, A194 Gr. 2H	A2-70, A194 Gr. 7	A2-70, A194 Gr. 8	A2-70, A194 Gr. 8
20	Bolt	8.8, A2-70, A193 B7	A2-70, A320 L7	A2-70, A193 B8	A2-70, A193 B8

Other materials upon request (P265GH, 1.4306, 1.4462 etc.).

Dimensions and weights

	DN	⌀D	⌀D1	⌀D2	⌀D3	f	a	n	d	Lk	H	R	HM./W./kg/
PN 16, 25, 40	10	9,5	90	60	40	2	16	4	M12	130			
	15	14	95	65	45	2	16	4	M12	130	119	150	5,4
	20	20	105	75	58	2	18	4	M12	150	130	150	7,5
	25	25	115	85	68	2	18	4	M12	160	134	150	10
	32	30	140	100	78	2	18	4	M16	180			
	40	38	150	110	88	2	18	4	M16	200	150	250	19,9
	50	47	165	125	102	2	20	4	18	230			
	65	62	185	145	122	2	22	8	18	290			
	80	76	200	160	138	2	24	8	M16	310			

	DN	⌀D	⌀D1	⌀D2	⌀D3	f	a	n	d	Lk	H	R	HM./W./kg/
PN 16	100	95	220	180	158	2	20	8	18	350			
	125	125	250	210	188	2	22	8	18	400			
	150	150	285	240	212	2	22	8	22	480			

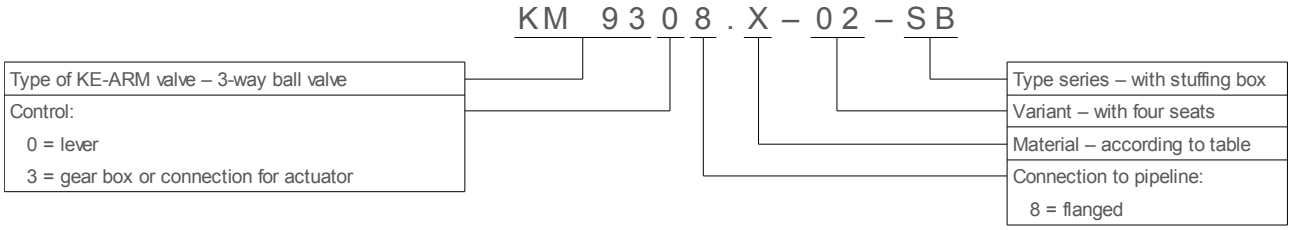
	DN	⌀D	⌀D1	⌀D2	⌀D3	f	a	n	d	Lk	H	R	Hm / W
PN 25 PN 40	100	95	235	190	162	2	24	8	M20	350			
	125*	125	270	220	188	2	26	8	26	400			
	150**	150	300	250	218	2	28	8	26	480			

	DN	⌀D	⌀D1	⌀D2	⌀D3	f	a	n	d	Lk	H	R	Hm / W
PN 63, 100	10	9,5	100	70	40	2	20	4	14				
	15	14	105	75	45	2	20	4	14				
	20	19	130	90	58	2	22	4	18				
	25	25	140	100	68	2	24	4	M16				
	32	30	155	110	78	2	24	4	M20				
	40	38	170	125	88	2	26	4	M20				

	DN	⌀D	⌀D1	⌀D2	⌀D3	f	a	n	d	Lk	H	R	Hm / W
PN 63	50	47	180	135	102	2	26	4	22				
	65	62	205	160	122	2	26	8	22				
	80	76	215	170	138	2	28	8	22	350	197	630	74
	100*	95	250	200	162	2	30	8	M24				
	125**	125	295	240	188	2	34	8	30				
	150**	150	345	280	218	2	36	8	33				

* = gearbox recommended, ** = with gearbox only. Dimensions in [mm], weights in [kg]. Dimensions for PN 160, 250 upon request.

Type designation



Application

Isolating valve designed to redirect the service fluid flow. It is not designed to be used for throttling or regulating purposes. For temperatures from −60 °C up to +230 °C.

Suitable for:
- water, steam, gas, oil, crude oil, acid, alkali and other liquids and gases without mechanical impurities.

Approved for:
- fluids in groups 1 (hazardous) and 2 according to 2014/68/EU.

Characteristics

- floating ball,
- full bore,
- anti-static design,
- stem secured against release (anti-blow-out),
- ball bore form of either “L” or “T”.

Operation

- hand lever,
- hand wheel with worm gear,
- pneumatic actuator,
- electric actuator.

Compliance with standards

- EN 1983,
- EN 12516-1,
- EN 1092-1,
- EN 558-1 series 1, or not standardized,
- EN ISO 5211,
- EN ISO 80079–36 (ATEX) – II 1G Ex h IIB T6…T1 Ga.

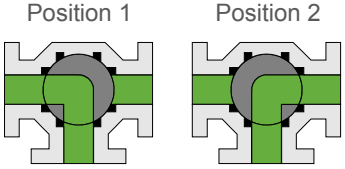
Testing

- EN 12266-1, leakage rate A – zero leakage.

Flow directions

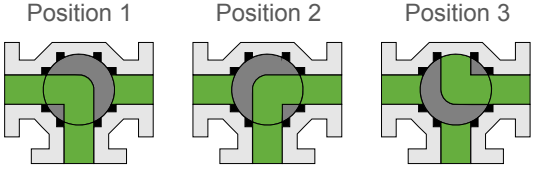
Ball “L” - two positions

Variant L321



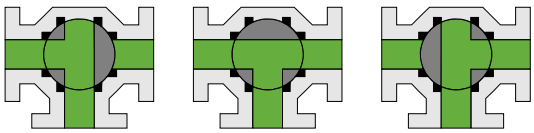
Ball “L” - three positions

Variant L331

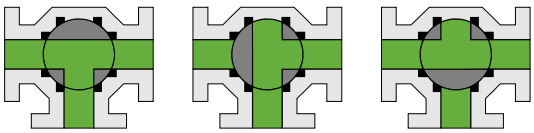


Ball “T” - three positions

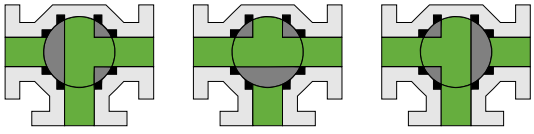
Variant T331



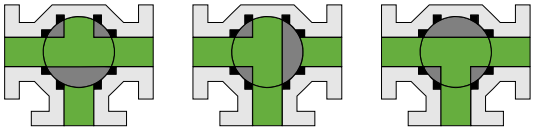
Variant T332



Variant T333



Variant T334



Optional accessories, adjustments and services

- different face-to-face dimensions or end combinations
- adaptation of face form (Groove, Tongue, Spigot, Recess, O-ring groove, RTJ)
- connection for actuator according to ISO 5211
- fire-safe design – fire resistance in accordance with EN ISO 10497 (API 607)
- heating jacket – for keeping the fluid liquid
- lockable handle with a padlock – for locking opened / closed position of the valve
- extended stem – e.g. for the reason of insulation of the valve and pipeline
- design according to TA-Luft or EN 15848–1
- limit switches
- documentation according to EN 10204 3.1 or 3.2
- special adjustments according to customer requests
- design according to standard NACE MR 0175 or ISO 15156
- design according to API standards
- ball bore LL (X)
- all seals from PTFE material
- design for application in potentially explosive atmospheres according to the directive 2014/34/EU (ATEX):
  - I M1 Ex h I Ma,
  - II 1G Ex h IIC T6…T1 Ga,
  - II 1D Ex h IIIC TX °C Da.