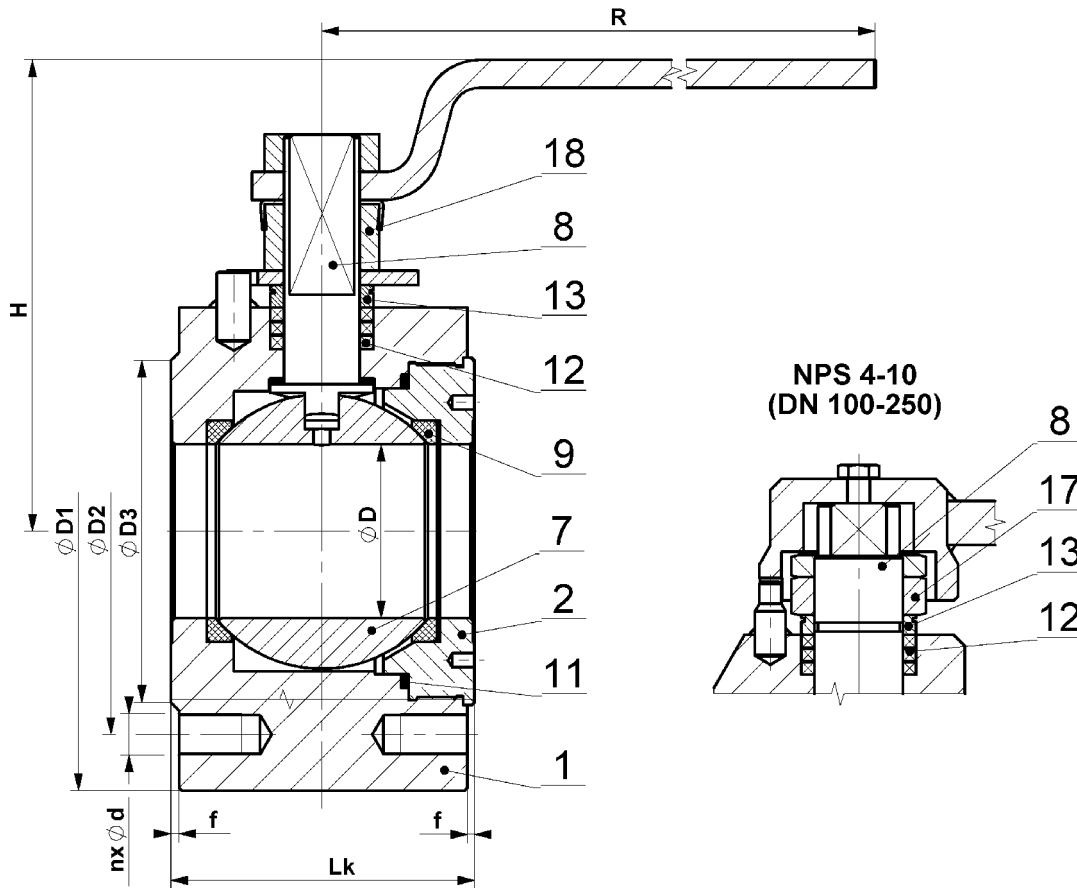


WAFER-TYPE BALL VALVE WITH STUFFING BOX

KM 9107.X-SB-AF

NPS ½"–10" Class 150–900



Materials

Type KM 9107.X-SB-AF		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
2	Cover				
7	Ball	1.4571, A182 F316, A351 CF8M, ČSN 17 027			
8	Stem	1.4021, ČSN 17 027	1.4541, A182 F321	1.4541, A182 F321	1.4571, A182 F316
9	Seat	PTFE+C, PEEK			
11	Gasket	Graphite			
12	Packing	Graphite			
13	Gland cover	1.4021, ČSN 17 027			
17	Nut	1.4021, ČSN 17 027			
18	Nut	Cl.8, A2-70, A194 Gr. 2H	A2-70, A194 Gr. 7	A2-70, A194 Gr. 8	A2-70, A194 Gr. 8

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

Dimensions and weights

	NPS	DN	ØD	ØD1	ØD2	ØD3	f	n	Ød	Lk	H	R	Hm / W
Class 150	½"	15	11,5	89	60,3	35	1,6	4	½-13 UNC				
	¾"	20	17,5	98	69,8	42,9	1,6	4	½-13 UNC				
	1"	25	24	108	79,4	50,8	1,6	4	½-13 UNC				
	1 ¼"	32	30,5	117	88,9	63,5	1,6	4	½-13 UNC				
	1 ½"	40	37	127	98,4	73	1,6	4	½-13 UNC				
	2"	50	50	152	120,6	92	1,6	4	⅝-11 UNC				
	2 ½"	65	62	178	139,7	104,6	1,6	4	⅝-11 UNC				
	3"	80	75	190	152,4	127	1,6	4	⅝-11 UNC				
	4"	100	100	229	190,5	157,2	1,6	8	⅝-11 UNC				
	5"	125	125	255	215,9	185,7	1,6	8	¾-10 UNC				
	6"	150	150	279	241,3	215,7	1,6	8	¾-10 UNC				
8" *	200*	200	343	298,4	269,7	1,6	8	¾-10 UNC					
10" **	250**	250	405	362	323,8	1,6	12	⅞-9 UNC					
Class 300	½"	15	12,5	95	66,5	35,1	1,6	4	½-13 UNC				
	¾"	20	17,5	117	82,6	42,9	1,6	4	⅝-11 UNC				
	1"	25	24	124	88,9	50,8	1,6	4	⅝-11 UNC				
	1 ¼"	32	30,5	133	98,6	63,5	1,6	4	⅝-11 UNC				
	1 ½"	40	37	155,5	114,3	73,2	1,6	4	¾-10 UNC				
	2"	50	50	165	127	91,9	1,6	8	⅝-11 UNC	90	170	350	14,1
	2 ½"	65	62	190,5	149,4	104,6	1,6	8	¾-10 UNC				
	3"	80	75	209	168,1	127	1,6	8	¾-10 UNC				
	4"	100	100	254	200,2	157,2	1,6	8	¾-10 UNC				
	5"	125	125	280	235	185,7	1,6	8	¾-10 UNC				
	6" *	150*	150	317,5	269,7	215,9	1,6	12	¾-10 UNC				
	8" **	200**	200	381	330,2	269,7	1,6	12	⅞-9 UNC				
10" **	250**	250	444,5	387,4	323,8	1,6	16	1-8 UNC					
Class 600	½"	15	12,5	95	66,5	35,1	6,4	4	½-13 UNC				
	¾"	20	17,5	117	82,6	42,9	6,4	4	⅝-11 UNC				
	1"	25	24	124	88,9	50,8	6,4	4	⅝-11 UNC				
	1 ¼"	32	30,5	133	98,6	63,5	6,4	4	⅝-11 UNC				
	1 ½"	40	37	155,5	114,3	73,2	6,4	4	¾-10 UNC				
	2"	50	50	165	127	91,9	6,4	8	⅝-11 UNC				
	2 ½"	65	62	190,5	149,4	104,6	6,4	8	¾-10 UNC				
	3"	80	75	209	168,1	127	6,4	8	¾-10 UNC				
	4" *	100*	100	273	216	157,2	6,4	8	⅞-9 UNC				
	5" **	125**	125	330	266,7	185,7	6,4	8	1-8 UNC				
6" **	150**	150	355,6	292,1	215,9	6,4	12	1-8 UNC					

* = gearbox recommended, ** = with gearbox only. Dimensions in [mm], weights in [kg].
Dimensions for Class 900 upon request.

Application

Isolating valve designed to fully open or close the service fluid flow. It is not designed to be used for throttling or regulating purposes. For temperatures from -60 °C 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.

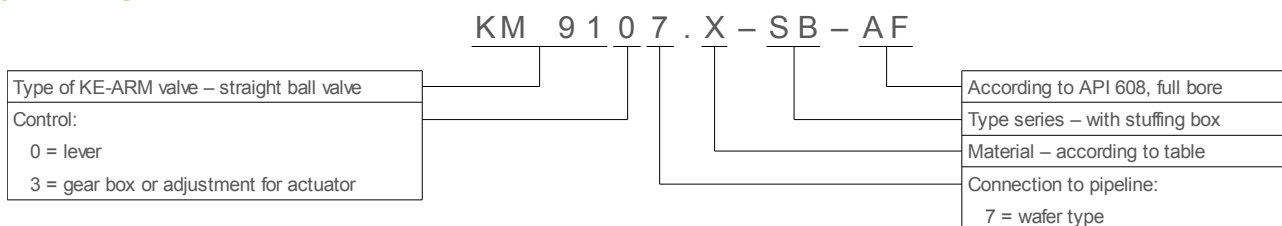
Characteristics

- floating ball,
- full bore,
- anti-static design,
- fire-safe design,
- stem secured against release (anti-blow-out).

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,
- heating jacket – for keeping the fluid liquid,
- lockable handle with a padlock,
- 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 3.2,
- special adjustments according to customer requests,
- design according to standard NACE MR 0175 or ISO 15156,
- all seals from PTFE material.

Type designation



Operation

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

Compliance with standards

- API 608,
- EN 12516-1,
- ANSI B 16.5,
- EN ISO 5211,
- EN ISO 10497 (API 607),
- EN 13463-1 (ATEX) – II 1 GD Ex IIC TX, I M1.

Testing

- API 598 or API Spec 6D – zero leakage.