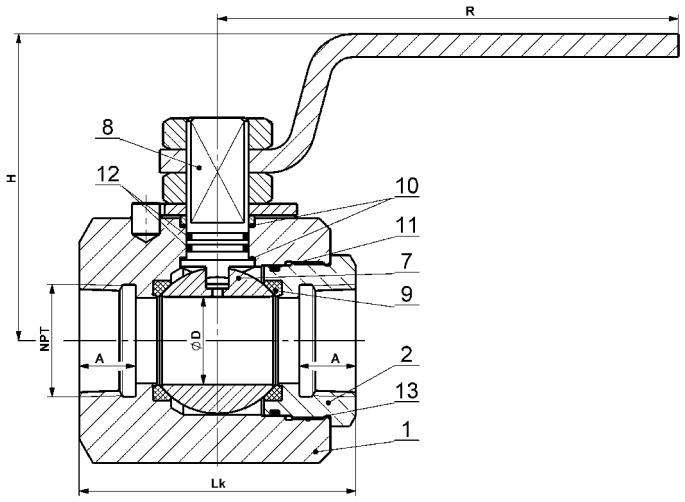
THREADED END BALL VALVE
KM 9101.X-AF

NPS ⅜" – 3" Class 150 – 1500



FIRE-SAFE

Materials

Type KM 9101.**X**-AF		Material			
		Carbon steel		Stainless steel	
Position	Component	**X=1** For common temperatures from −20°C to +200°C	**X=5** For low temperatures from −46°C to +200°C	**X=3** For temperatures from −50°C to +200°C	**X=4** For temperatures from −50°C to +200°C
1	Body	1.0577, S355J2	1.0565, A350 LF2	1.4541, A182 F321	1.4571, A182 F316
2	Socket				
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, PTFE+C, Devlon, PEEK			
10	Gasket	Graphite			
11	Sealing	NBR, HNBR, EPDM, FPM, FPM+FEP			
12	Sealing	NBR, HNBR, EPDM, FPM, FPM+FEP			
13	Sealing	Graphite			

Other materials upon request (P265GH, 1.4306, 1.4462 etc.).
Operating temperature range can be reduced based on selected sealing materials.

Dimensions and weights

	NPS	DN	⌀D	NPT	A	Lk	H	R	Hm / W
Class 150, 300, 600, 800	⅜"	10	9,5	⅜-18	13	57	65	115	0,8
	½"	15	12,5	½-14	15	60	68,5	115	0,9
	¾"	20	19	¾-14	16,5	80	75,3	120	1,5
	1"	25	25	1-11.5	19,5	90	105,5	250	2,9
	1 ¼"	32	30	1 ¼-11.5	21,5				
	1 ½"	40	38	1 ½-11.5	24,5	120	132,5	350	7,8
	2"	50	49	2-11.5	25	140	137	450	15,9
	3"	80	76	3-8	34	210	145	540	41,2

Dimensions in [mm], weights in [kg]. S1 / S2 – Widths across flats for wrench on body / socket.
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 −50 °C to +200 °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 (fire resistance),
- stem secured against release (anti-blow-out).

Operation

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

Compliance with standards

- API 608
- ANSI B 1.20.1,
- EN 12516-1,
- EN ISO 5211,
- EN 13463-1 (ATEX) – II 1 GD Ex IIC TX, I M1,
- EN ISO 10497 (API 607),
- EN 61508-1, 2 – SIL 2.

Testing

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

Optional Accessories, Adjustments and Services

- different face-to-face dimensions or end combinations,
- 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.

Type designation