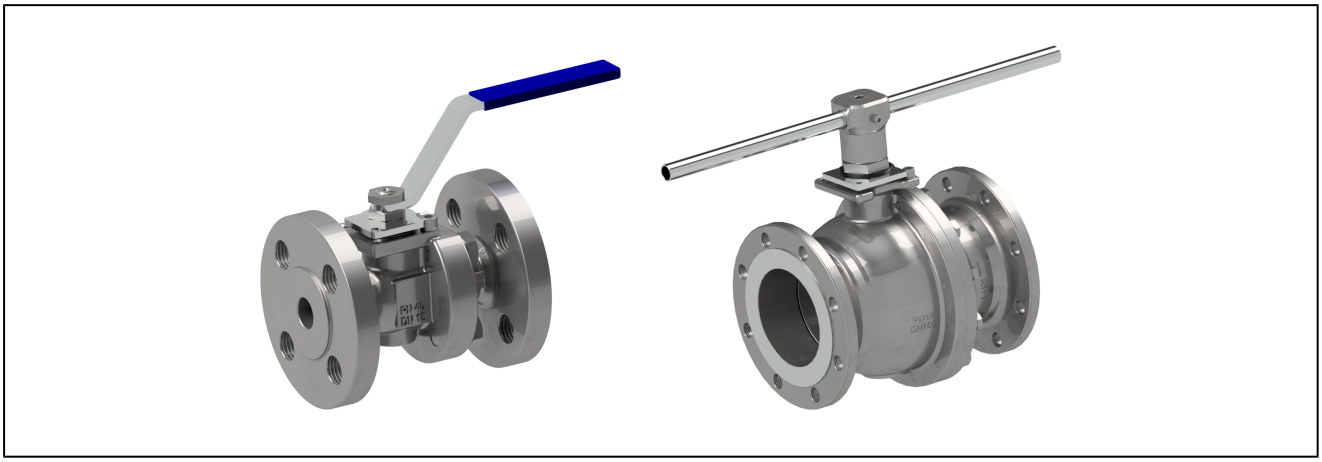
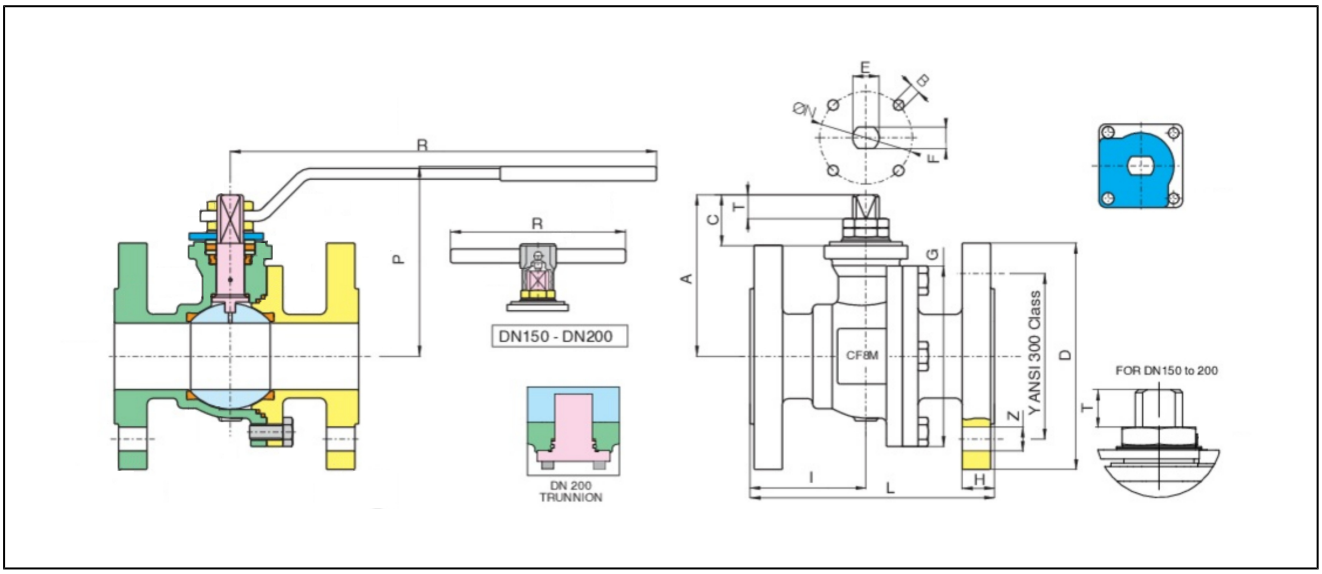
flange ball valve made of steel
series BA089-LLD-A

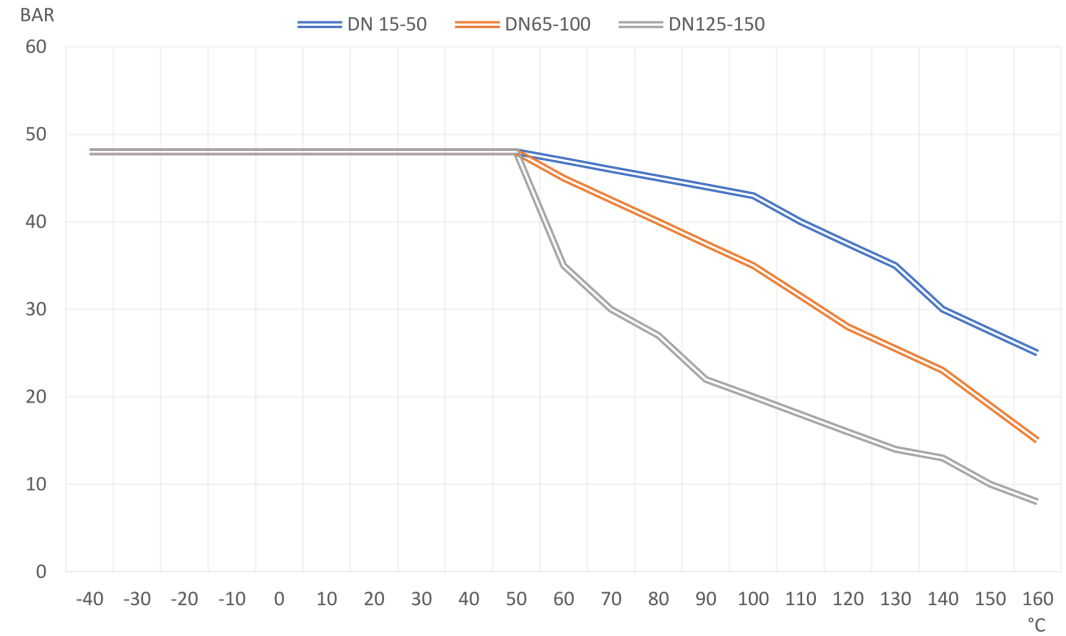


design	two way ball valve with floating ball, full bore, antistatic design, compensation hole, with locking device
actuation	with 90° turn of the handle
connection	flange DN15...DN200 according to ANSI 300
length	according to ANSI B16.10
materials	body made of zinc plated steel, DN150/200 painted; ball stainless steel AISI 304, ball seal fibre-glass-reinforced PTFE, stem seal PTFE/Graphoil/FKM hand lever: DN15...DN100 steel plastic coated, DN150...DN200 cast iron EN-GJL-250
application	group 1 and 2 liquids and gases acc. to PED 2014/68/EU and which do not affect the used materials.
medium temperature	-10...+160°C
operating pressure	vacuum max. 10^{-3} Torr to nominal pressure according to table and pressure-temperature diagram
type of fixing	installed into rigid pipework
mounting position	any
approvals	ATEX EX II 2G Ex h IIC T6...T1 Gb / II 2D Ex h IIIC T85°C...T450°C Db, fire-safe, TA-Luft, SIL 3
special versions	material LCB -20°C...+160°C



nominal diameter DN[mm]	PN [bar]	A	B	C	D	E	F	H	I	L	R	N	P	T	Y	Z	kv value [m^3/h]	weight [app. kg]	type
15	50	52	M5	19	95	M10	7	14,5	61,5	140	131	42-F05	88	8	66,5	4 x Ø16	19,2	2,3	BA089-15-LLD-A
20	50	56	M5	19	115	M10	7	16	61	152	131	42-F04	93	8	82,5	4 x Ø19	35,0	3,5	BA089-20-LLD-A
25	50	72,5	M6	27,5	125	M12	8	17,5	70,5	165	174	50-F05	109	13	89	4 x Ø20	64,5	5,2	BA089-25-LLD-A
40	50	107	M6	30	155	M16	10	21	78,5	190	250	50-F05	133	10	114,5	4 x Ø22	174,0	10,0	BA089-40-LLD-A
50	50	122	M8	38,5	165	M20	14	22,5	86	216	321	70-F07	144	18	127	8 x Ø20	301,3	12,0	BA089-50-LLD-A
80	50	151	M10	43	210	M24	18	29	81	283	381	102-F10	173	18	168,5	8 x Ø22	872,5	27,0	BA089-80-LLD-A
100	50	165	M10	43	255	M24	18	32	88,5	305	381	102-F10	187	18	200	8 x Ø22	1363,3	41,0	BA089-100-LLD-A
150	50	245	M12	68	320	M42	30	37	172	403	700	125-F12	305	41	270	12 x Ø23	3671,1	93,0	BA089-150-LLD-A
200	25	288	M12	68,5	381	M42	30	41,5	251	502	700	125-F12	348	41	330	12 x Ø26	6816,6	151,0	BA089-200-LLD-A

pressure-temperature-diagram



illustrations are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice