

Type NVN-EXTRA / NVN-R

Fully lined ball valve, split piece body design

- cavity minimized

NVN-EXTRA

DN 15 - 250 / PN 10 - 40
NPS ½ - 10 / Class 150- 300

NVN-R

DN 40 - 250 / PN 10 - 40
NPS 1½ - 10 / Class 150

Range of application:
-10 < T < 150/210°C

Design characteristics

- ball and ball shaft one-piece no blow-out, robust!
- body material optional
 - Carbon Steel 1.0619, ASTM A216 WCB
 - Stainless Steel 1.4308, ASTM A341 CF8
- mounting-flange for actuators acc. to ISO 5211
- closing-off with double-sided sealing
- adjustable shaft sealing
- antistatic-ring
- minimum 3 mm lining
 - NVN-EXTRA >DN150=PFA, ≥ DN150=FEP
 - NVN-R >NPS8=PFA, ≥ NPS8=FEP

Options

- locking device

Type NVN-EXTRA

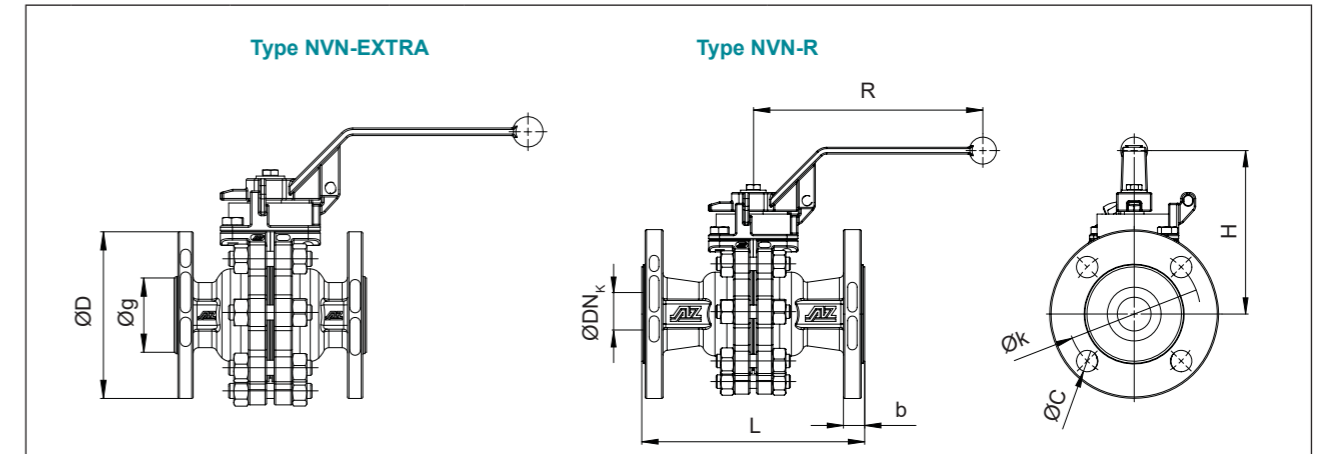
- full bore design
- maximum flow rates - no pressure loss

Type NVN-R

- reduced bore
- less torque = smaller actuation

Type NVN-EXTRA / NVN-R

Technical Information



Type NVN-EXTRA		L [mm]	R [mm]	H [mm]	ØD [mm]	Øg [mm]	Øk [mm]	Øc [mm]	b [mm]	SW [mm]	torque* [Nm]	weight [kg]	K _{vs} [m³/h]	C _v [US.gal/min]	
EN 558	15	10-40	130	170	109	95	45	65	14	16	11	9	3,2	19	22
	20	10-40	150	170	114	105	58	75	14	18	11	13	4,1	35	40
	25	10-40	160	170	121	115	68	85	14	18	11	18	4,9	59	68
	40	10-40	200	170	128	150	88	110	18	18	11	21	7,5	165	191
	50	10-40	230	230	143	165	102	125	18	20	14	40	12	267	309
	80	10-40	310	320	199	200	138	160	18	24	19	113	27	737	852
	100	10-16	350	420	203	220	162	190	18	20	22	150	37	1203	1391
	150	10-16	350	600	250	285	218	300	22	22	27	200	82	2930	3387
	200	10-16	457	-	-	340	285	375	22	24	36	563	170	5368	6206
	250	10	533	-	-	395	345	450	22	26	36	688	245	8582	9921
250	16	533	-	-	405	320	355	26	26	36	688	245	8528	9921	
Type NVN-R		L [mm]	R [mm]	H [mm]	ØD [mm]	Øg [mm]	Øk [mm]	Øc [mm]	b [mm]	SW [mm]	torque* [Nm]	weight [kg]	K _{vs} [m³/h]	C _v [US.gal/min]	
ASME B16.10	½	150	108	170	109	90	34,9	60,3	15,7	10,0	11	9	2,3	20	23
	¾	150	117	170	114	100	42,9	69,9	15,7	10,9	11	13	2,9	41	47
	1	150	127	170	121	110	50,8	79,4	15,7	11,6	11	18	3,8	61	71
	1½	150	165	170	128	125	73,0	98,4	15,7	14,7	11	21	5,7	171	198
	2	150	178	230	143	150	120,7	127,0	19,1	16,3	14	40	10	280	324
	3	150	203	320	184	190	152,4	168,3	22,3	29,0	19	113	23	785	906
	4	150	229	420	203	230	168,3	190,5	22,3	24,3	22	150	36	1265	1462
	6	150	267	600	250	280	215,9	241,3	22,3	24,3	27	200	65	3021	3492
	8	150	403	-	-	320	269,9	269,9	22,3	35,4	36	563	92	2880	3329
	10	150	457	-	-	345	269,9	298,5	22,4	29,0	36	563	173	5368	6206
10	150	533	-	-	405	323,8	362,0	25,4	30,6	36	688	257	8582	9921	

*) Δp=10 bar, recommended safety factor for actuator: +60 %

***) on request

Order Example: F-2-NVN-EXTRA-DN50-PN40-WCB-PFA

F = flange, 2 = two-way, NVN-EXTRA = type, DN50 = size, PN40 = pressure rating, WCB = body material, PFA = lining material body / ball