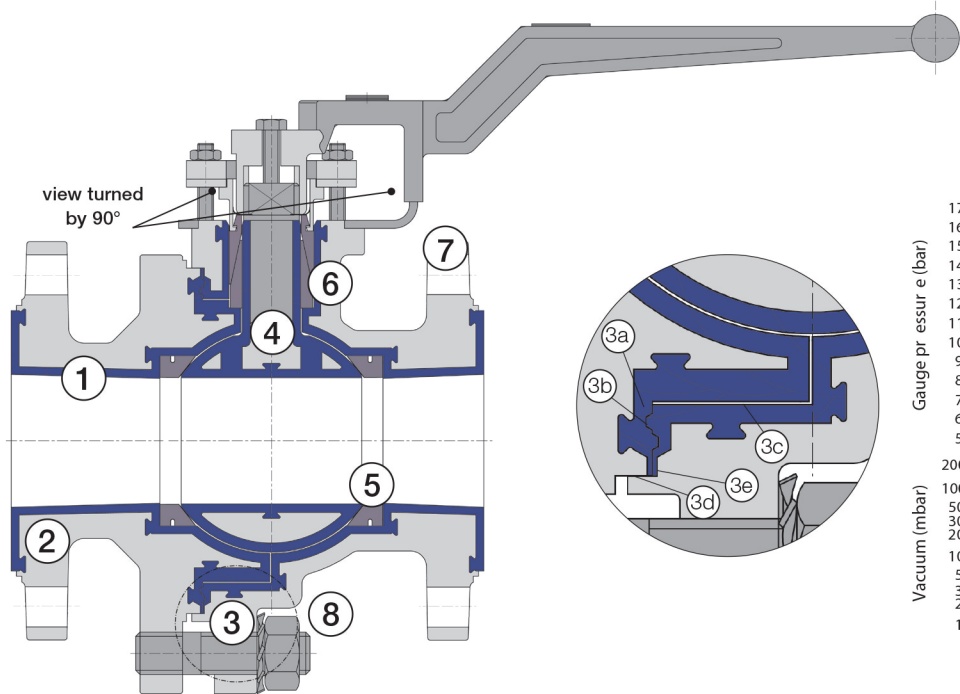
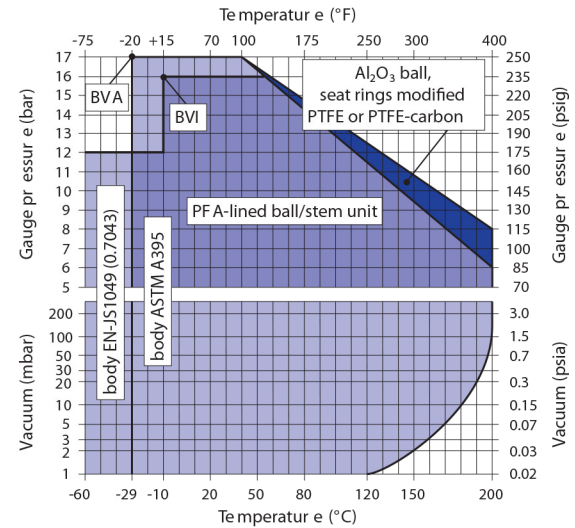




Pressure/Temperature Range

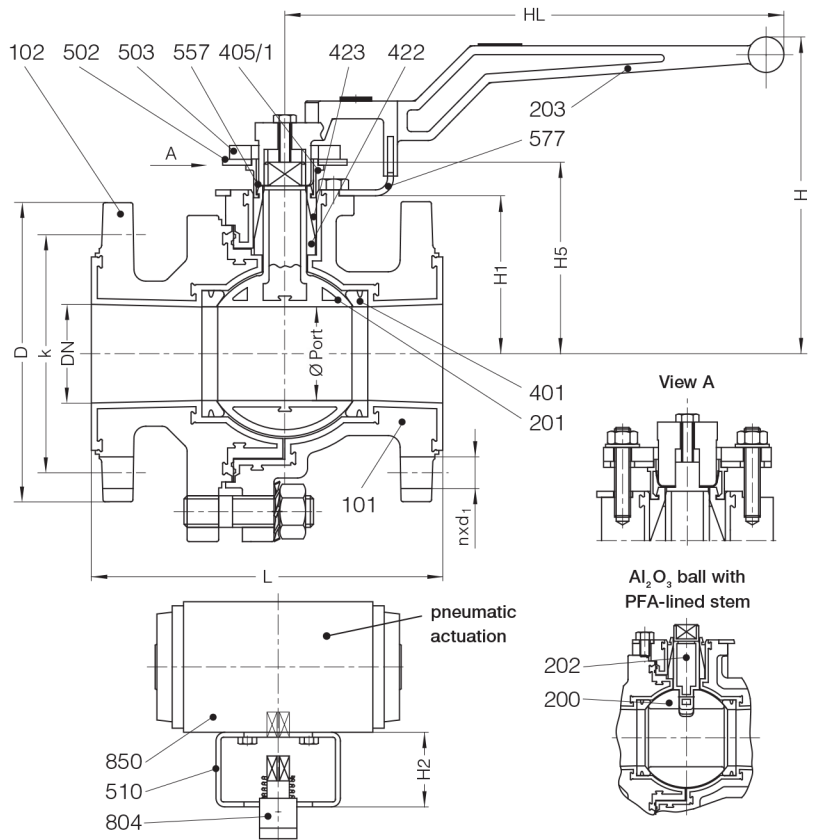


Components and materials

Item	Designation	Material
101	Main body	Ductile iron ASTM A395/ EN-JS1049; PFA lined
102	Body end piece	Ductile iron ASTM A395/ EN-JS1049; PFA lined
200	Ball*	Al ₂ O ₃
201	Ball/stem unit	Stainless steel, PFA lined
202	Stem*	Stainless steel, PFA lined
203	Lever	Stainless steel
401	Seat rings	PTFE ¹⁾
405/1	Thrust ring	Stainless steel
422	Base ring	Modified PTFE
423	Packing insert	PTFE
502	Spring gland follower	Stainless steel
503	Packing gland follower	Stainless steel
510	Bracket	Stainless steel
557	Grounding spring washer	Stainless steel
577	Lever stop	Stainless steel
804	Coupling	Stainless steel
850	Actuator	Customer to specify
w/o No.	Screws and nuts	Stainless steel

¹⁾ Modified PTFE seat rings supplied with Al₂O₃ ceramic ball

* Optional



Flow rates

Valve size			
LBR (inch)	k _v (m ³ /h)	C _v (US gpm)	
DN 25 1"	60	70	
DN 40 1½"	190	221	
DN 50 2" & 3"	280	326	
DN 80 4"	587	684	
DN 100 6"	1250	1456	
DN 150 -	2800	3262	

Operating torques PFA-lined ball/stem unit

Δp bar (psi)									
3 (45)		6 (85)		10 (145)		17.2 (250)		max. adm.	
Nm	in-lbs	Nm	in-lbs	Nm	in-lbs	Nm	in-lbs	Nm	in-lbs
8	71	8	71	8	71	10	89	70	620
20	177	20	177	20	177	25	221	225	1990
25	221	25	221	25	221	30	268	225	1990
50	443	50	443	62	549	83	735	500	4425
80	708	80	708	92	814	120	1062	500	4425
200	1770	230	2036	270	2390	315	2788	2200	19470

Operating torques Al₂O₃ ceramic ball

Δp psi (bar)									
3 (45)		6 (85)		10 (145)		17.2 (250)		max. adm.	
Nm	in-lbs	Nm	in-lbs	Nm	in-lbs	Nm	in-lbs	Nm	in-lbs
10	89	10	89	10	89	12	106	32	283
20	177	20	177	20	177	25	221	80	708
25	221	25	221	25	221	30	266	120	1062
60	531	60	531	72	637	95	841	250	2215
90	797	130	1151	150	1328	200	1770	350	3098
350	3098	400	3540	580	5133	770	6815	1200	10620