

BALL VALVES

Type 109A/109C



Investment Cast 3-Piece Full Bore Ball Valves

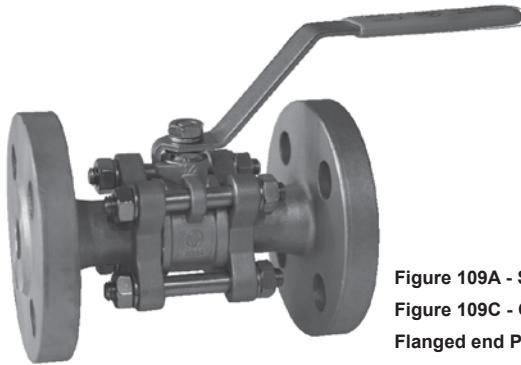
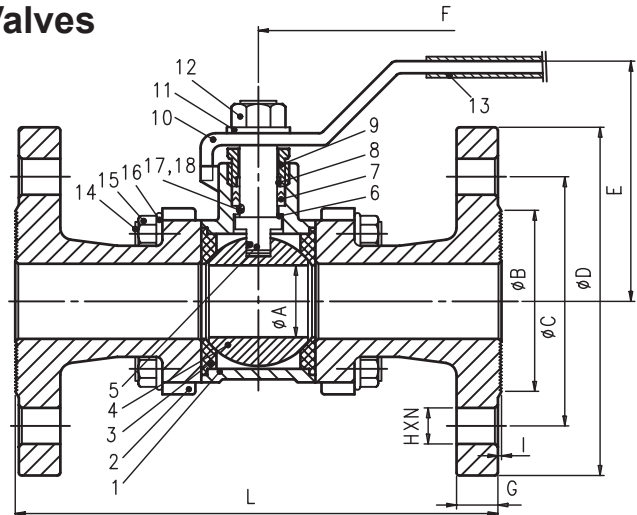


Figure 109A - Stainless Steel
Figure 109C - Carbon Steel
Flanged end Pieces - DIN 3202 F1



FEATURES

- » Pressure rating 1000 psi non-shock for water, oil and gas
- » Temperature range -29°C to 232°C
- » Glass reinforced P.T.F.E. seats, P.T.F.E. steam seal
- » Stainless steel handle, plastic insulated
- » High Strength body bolts
- » Blow-out proof stem
- » Adjustable packing gland
- » 100% factory tested air underwater in open and closed position
- » Hydrostatic test pressure 1500 psi

- » 3-piece design allowing withdrawal of centre valve body for cleaning or maintenance simply by removing body bolts- whilst the end pieces remain in-line. This design also permits welded connection of the end pieces into the pipeline
- » Choice of end connection :
 - Female/female thread BSP.T, BSP.P, NPT and DIN
 - Weldable-Butt weld and socket weld flanged (refer Fig 109A) A.N.S.I 150 LB,R F.

No	Part Name	Material	
		RK109A	RK109C
1	Body	1.4408	1.0619
2	End Caps	1.4408	1.0619
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	CF8M/316	AISI304
5	Stem	SUS 316	AISI304
6	Gasket	PTFE	PTFE
7	Seal	PTFE	PTFE
8	Gland Bush	PTFE	PTFE
9	Packing Gland	SUS 304	SUS 304

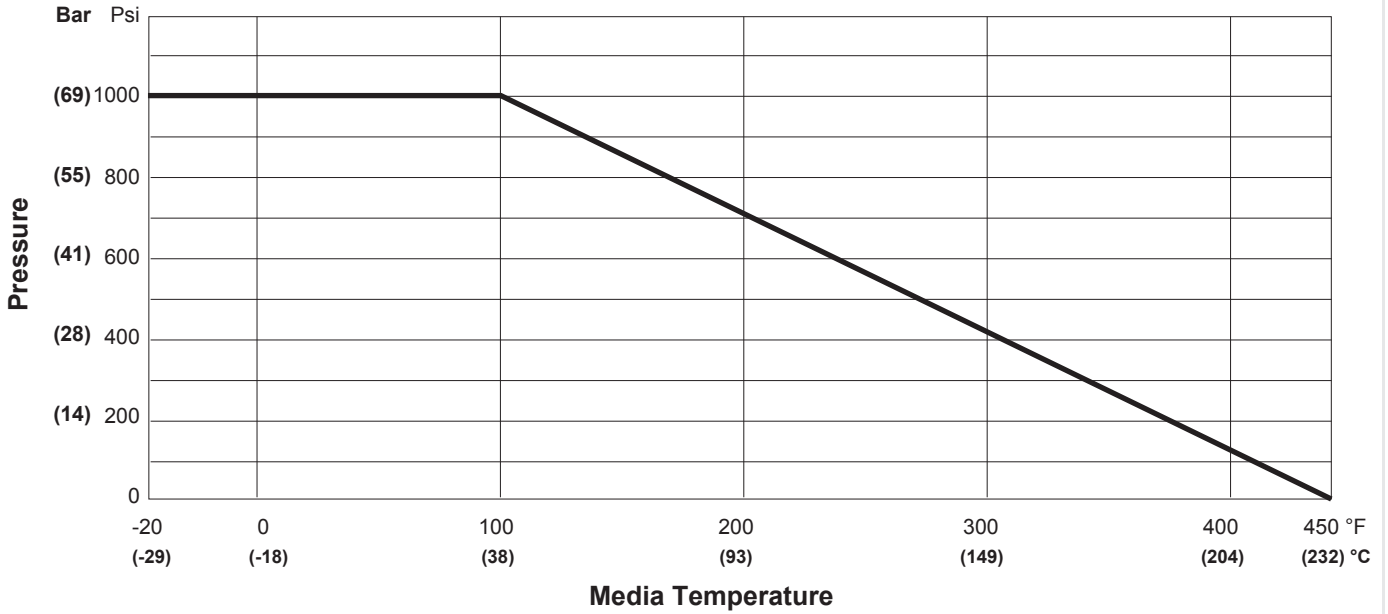
No	Part Name	Material	
		RK109A	RK109C
10	Handle	SUS 304	SUS 304
11	Lever Spring Washer	SUS 304	SUS 304
12	Lever Nut	SUS 304	SUS 304
13	Plastic Coating	PVC	PVC
14	Bolts	SUS 304	SUS 304
15	Bolts Nuts	SUS 304	SUS 304
16	Spring Washer	SUS 304	SUS 304
17	Static Device	SUS 316	SUS 304
18	Spring	SUS 316	SUS 304

Size		A	B	C	D	E	F	G	I	HXN	L
mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
15	1/2	15	45	65	95	77.6	140	16	2	14x4	130
20	3/4	20	58	75	105	85	140	18	2	14x4	150
25	1	25	68	85	115	104.9	170	18	2	14x4	160
32	1 1/4	32	78	100	140	109	170	18	2	18x4	180
40	1 1/2	38	88	110	150	119.3	230	18	3	18x4	200
50	2	50	102	125	165	125	230	20	3	18x4	230
65	2 1/2	65	122	145	185	136	350	18	3	18x4	290
80	3	80	138	160	200	148.1	350	20	3	18x8	310
100	4	100	158	180	220	165.5	400	20	3	18x8	350

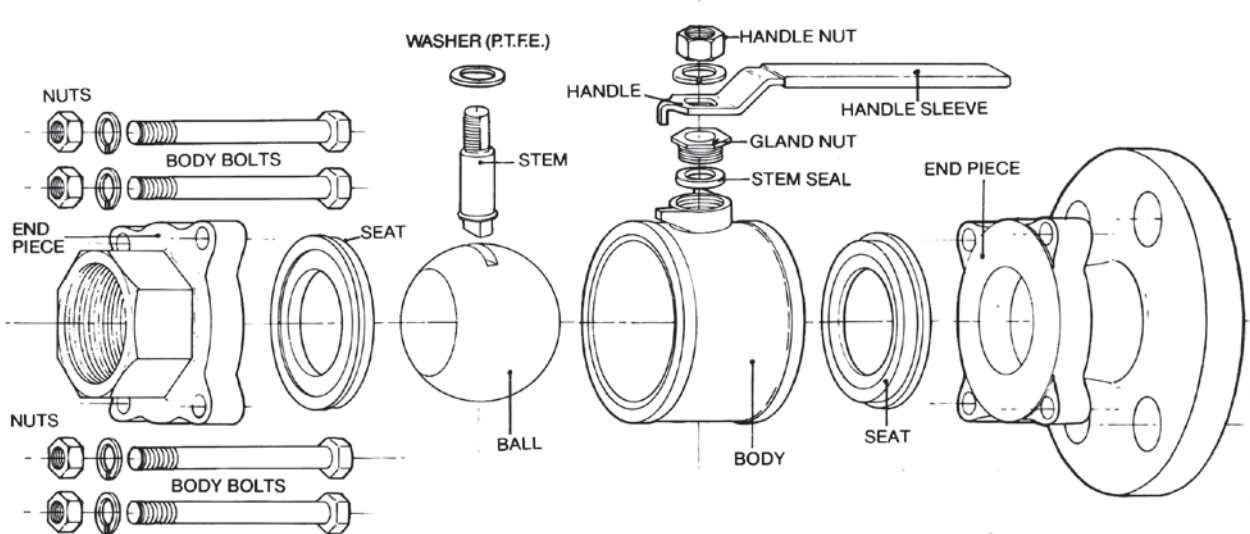
*last updated 05/19



PRESSURE & TEMPERATURE RATING



DIAGRAM



*last updated 11/18

