K-BALL SERIES 194

FLOATING BALL VALVE

A two-piece, full bore heavy duty floating ball valve



FEATURES

- Two-piece, split-body ball valve with flanged ends
- Available in Stainless Steel or Phosphated Carbon Steel bodies
- Size range DN 15 - 200 (NPS 1/2 - 8) full bore
- Valve pressure rating:
  - ASME Class 150/300
  - DIN PN 10/16/25/40
- TFM 1600 seat material as default
- Investment cast body DN 15 - 200 (NPS 1/2 - 8)
- Firesafe version available; tested to API 607 8th Edition
- Design complies with ISO 15848-1 Class BH C02 requirements
- Blow out proof shaft
- ISO 5211 top mounting plate
- Anti-static design according to EN 1983 / ISO 17292
- Tightness / Leakage to API 598
- Locking device (without lock)
- Available in ASME and EN version

GENERAL APPLICATIONS

The range includes valves ideal for petrochemical, chemical, and general industry applications. The Series 194 offers a firesafe design suitable for fuel and inflammable substances.

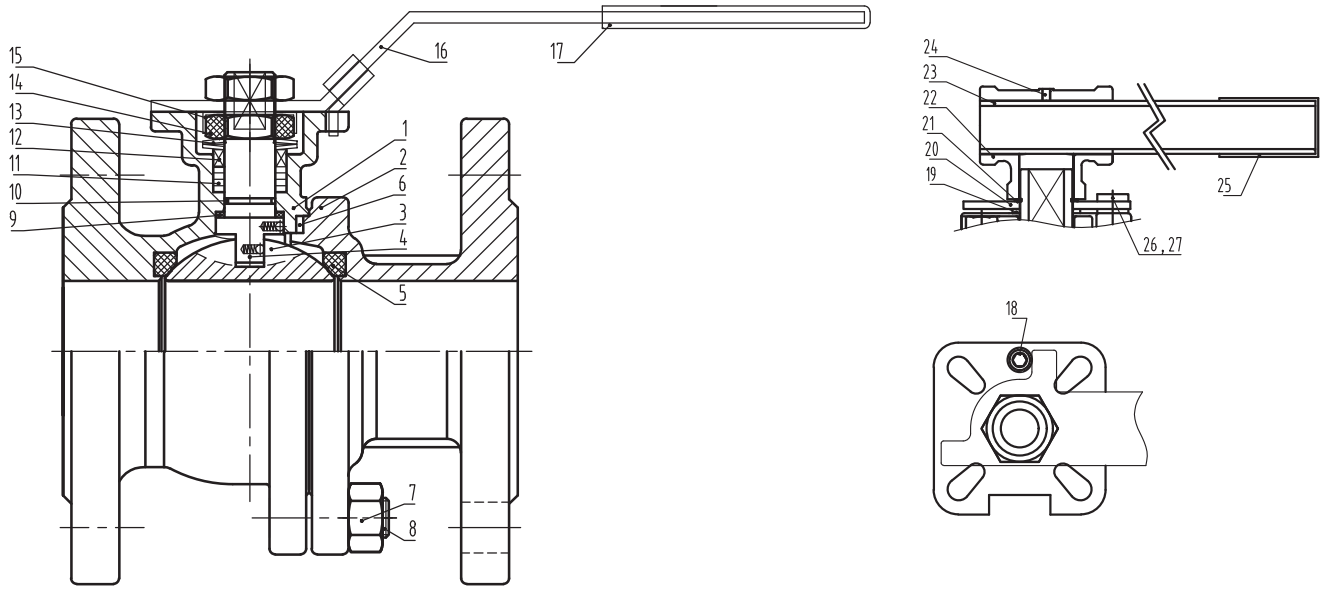
TECHNICAL DATA

Sizes:	DN 15 to DN 200 / NPS 1/2 to NPS 8
Pressure rating:	ANSI 150 / 300 PN 10 / 16 PN 25 / 40
Temperature rating:	-29 °C to 200 °C / -20 °F to 392 °F
Face-to-Face:	ASME B16.10. (Long) EN 558 Series 1 EN 558 Series 27

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K-BALL SERIES 194

STANDARD CONFIGURATION - MATERIALS OF CONSTRUCTION



MATERIALS OF CONSTRUCTION

No.	Parts name	Material	Quantity
1*	Body	ASTM A216 Gr. WCB / ASTM A351 Gr. CF8/CF8M/CF3/CF3M	1
2*	Cap	ASTM A216 Gr. WCB / ASTM A351 Gr. CF8/CF8M/CF3/CF3M	1
3	Ball	ASTM A182 Gr. F316/F304/F316L/F304L	1
4	Stem	ASTM A182 Gr. F51	1
5	Seat	TFM 1600	2
6	Sealing gasket	PTFE	1
7	Nut	A194 Gr. 2H, A194 – Gr. 8	4-12*
8	Stud	A193 Gr. B7, A193 – Gr. B8	4-12*
9	Thrust gasket	RPTFE	1
10	O-Ring	Viton	1
11	Packing	PTFE	1 set
12	Gland	SS 304 (for carbon steel body/cap) / SS 316L (for austenitic SS body/cap)	1
13	Disc spring	SS 301	2
14	Thin nut	SS 304	2
15	Loose proof gasket	SS 304	1
16	Handle	SS 304	1
17	Handle sleeve	PVC Soft	1
18	Screw	SS 304	1
19	Gasket	SS 304	1
20	Lock plate	SS 304	1
21	Circlip for Shaft	SS 304	1
22	Handle seat	A351 – CF8	1
23	Handle	SS 304	1
24	Screw	SS 304	1
25	Handle sleeve	PVC Soft	1
26	Screw	SS 304	1
27	Nut	SS 304	1

Valve size		
DN	**NPS**	*** Nut / Stud quantity**
15 - 50	1/2 - 2	4
65 - 80	2 1/2 - 3	6
100 - 150	4 - 6	8
200	8	12

FEATURES

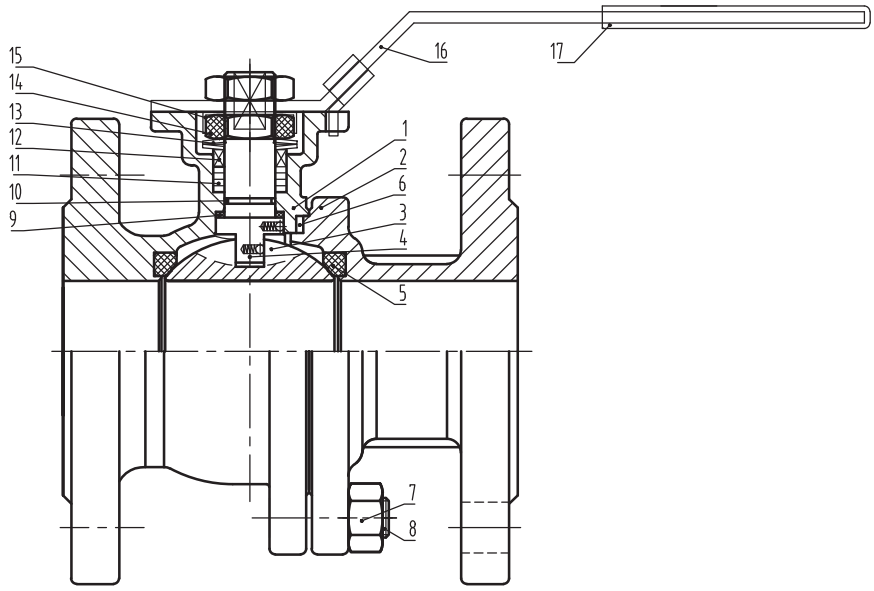
- Fugitive emission tested to ISO 15848-1, Class BH, C02 requirements (1500 cycles including thermal cycles to 200 °C)

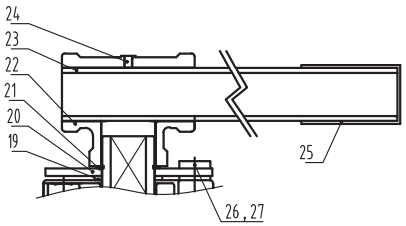
NOTE

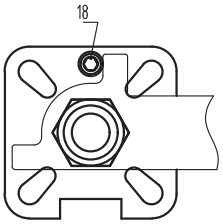
* For DIN valves, the body and cap material will be EN 1.0619/1.4308/1.4408/1.4309/1.4409.

K-BALL SERIES 194

FIRESAFE CONFIGURATION - MATERIALS OF CONSTRUCTION







MATERIALS OF CONSTRUCTION

No.	Parts name	Material	Quantity
1*	Body	ASTM A216 Gr. WCB / ASTM A351 Gr. CF8/CF8M/CF3/CF3M	1
2*	Cap	ASTM A216 Gr. WCB / ASTM A351 Gr. CF8/CF8M/CF3/CF3M	1
3	Ball	ASTM A182 Gr. F316/F304/F316L/F304L	1
4	Stem	ASTM A182 Gr. F51	1
5	Seat	TFM 1600	2
6	Sealing gasket	316 + Graphite	1
7	Nut	A194 Gr. 2H, A194 – Gr. 8	4-12*
8	Stud	A193 Gr. B7, A193 – Gr. B8	4-12*
9	Thrust gasket	RPTFE	1
10	O-Ring	Viton	1
11	Packing	Graphite	1 set
12	Gland	SS 304 (for carbon steel body/cap) / SS 316L (for austenitic SS body/cap)	1
13	Disc spring	SS 301	2
14	Thin nut	SS 304	2
15	Loose proof gasket	SS 304	1
16	Handle	SS 304	1
17	Handle sleeve	PVC Soft	1
18	Screw	SS 304	1
19	Gasket	SS 304	1
20	Lock plate	SS 304	1
21	Circlip for Shaft	SS 304	1
22	Handle seat	A351 – CF8	1
23	Handle	SS 304	1
24	Screw	SS 304	1
25	Handle sleeve	PVC Soft	1
26	Screw	SS 304	1
27	Nut	SS 304	1

Valve size		
DN	**NPS**	*** Nut / Stud quantity**
15 - 50	1/2 - 2	4
65 - 80	2 1/2 - 3	6
100 - 150	4 - 6	8
200	8	12

FEATURES

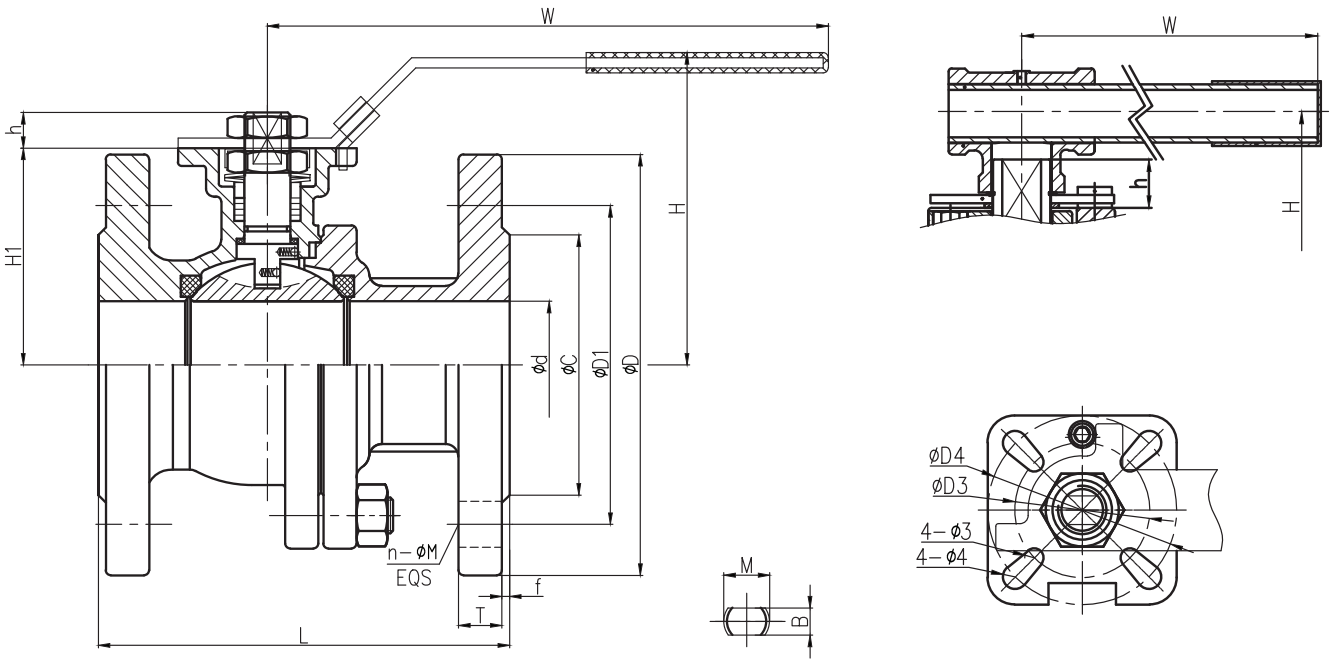
- Fire tested to API 607, 8th Edition
- Fugitive emission tested to ISO 15848-1, Class BH, C02 requirements (1500 cycles including thermal cycles to 200 °C)

NOTE

* For DIN valves, the body and cap material will be EN 1.0619/1.4308/1.4408/1.4309/1.4409.

K-BALL SERIES 194

ASME DIMENSIONS - METRIC



DIMENSIONS ASME 150 mm

DN	d	D	D1	C	T	f	n-ØM	L	h	H1	H	W	M	B	ØD3		ØD4		Ø3	Ø4	Weight kg
															Dia.	ISO 5211	Dia.	ISO 5211			
15	15	89	60.5	35.1	8.5	1.5	4-16	108	9	48	80	141	12	8	36	F03	50	F05	6	7	2.45
20	20	99	69.8	42.9	9.5	1.5	4-16	117	9	54	86	141	12	8	36	F03	50	F05	6	7	3.19
25	25	108	79.2	50.8	10	1.5	4-16	127	11	61	98	162	14	10	42	F04	50	F05	6	7	4.04
40	38	127	98.6	73	12.7	1.5	4-16	165	14	76	114	220	18	12	50	F05	70	F07	7	9	6.91
50	50	152	120.6	91.9	14.3	1.5	4-19	178	14	85	123	220	18	12	50	F05	70	F07	7	9	9.68
65	64	178	139.7	104.6	15.9	1.5	4-19	190	17	108	154	285	22	14	70	F07	102	F10	9	11	13.42
80	76	190	152.4	127	17.5	1.5	4-19	203	22	130	175	380	28	20	–	-	102	F10	–	11	17.15
100	100	229	190.5	157.2	22.5	1.5	8-19	229	22	148	196	380	28	20	–	-	102	F10	–	11	25.35
150	150	279	241.3	215.9	24	1.5	8-22	394	32	202	262	656	36	24	–	-	125	F12	–	14	71
200	202	343	298.4	269.7	27	1.5	8-22	457	34	260	316	1200	39	27	140	F14	165	F16	18	22	120.5

DIMENSIONS ASME 300 mm

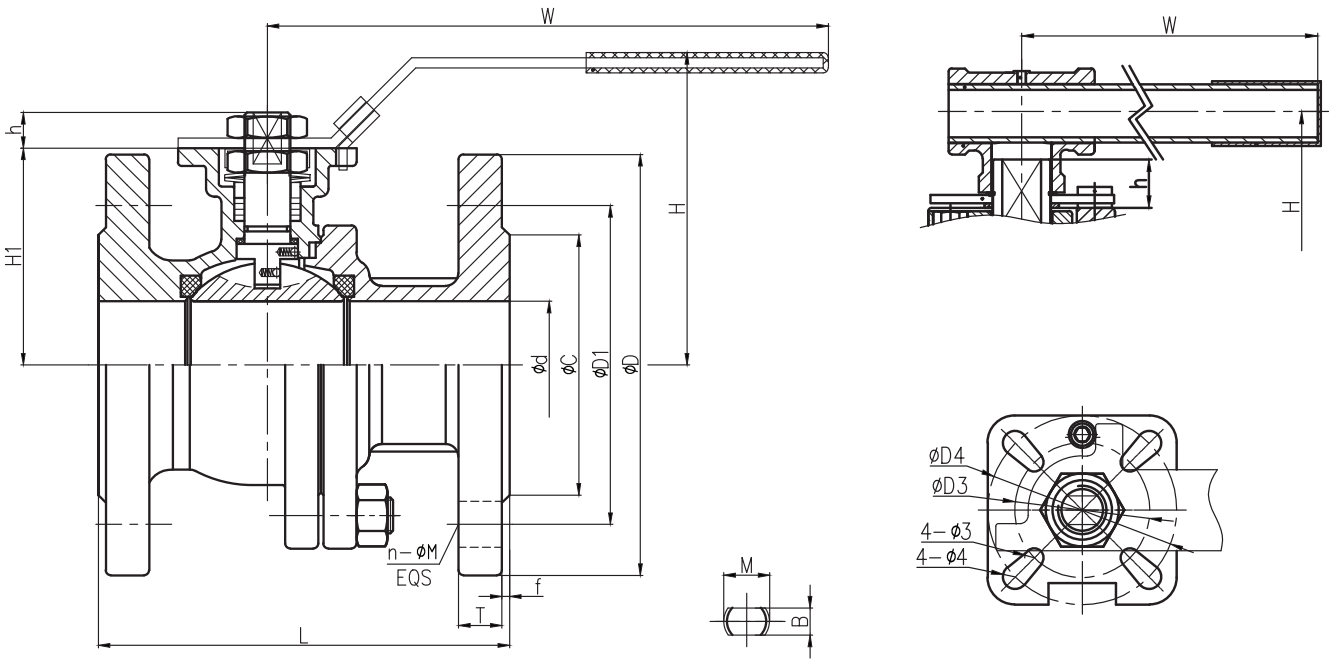
DN	d	D	D1	C	T	f	n-ØM	L	h	H1	H	W	M	B	ØD3		ØD4		Ø3	Ø4	Weight kg
															Dia.	ISO 5211	Dia.	ISO 5211			
15	15	95	66.5	35.1	12.7	1.5	4-16	140	9	48	80	141	12	8	36	F03	50	F05	6	7	2.45
20	20	117	82.6	42.9	14.3	1.5	4-19	152	9	59	86	141	12	8	36	F03	50	F05	6	7	3.35
25	25	124	88.9	50.8	15.9	1.5	4-19	165	11	63	98	162	14	10	42	F04	50	F05	6	7	4.65
40	38	155	114.3	73	19.1	1.5	4-22	190	14	78	114	220	18	12	50	F05	70	F07	7	9	8.15
50	50	165	127	91.9	20.7	1.5	8-19	216	14	85	123	220	18	12	50	F05	70	F07	7	9	10.98
65	64	190	149.4	104.6	23.9	1.5	8-22	241	17	108	154	285	22	14	70	F07	102	F10	9	11	17.15
80	76	210	168.1	127	27	1.5	8-22	282	22	130	175	380	28	20	–	-	102	F10	–	11	24.86
100	100	254	200.2	157.2	30.2	1.5	8-22	305	22	148	196	380	28	20	–	-	102	F10	–	11	40.57
150	150	318	269.7	215.9	35.1	1.5	12-22	403	34	222	308	1200	39	27	125	F12	140	F14	14	18	97.5
200	202	381	330.2	269.7	39.7	1.5	12-25	502	40	277	373	1500	48	32	140	F14	165	F16	18	22	175

NOTE

AS 2129 Table E drilling on ASME flanges are also available.

K-BALL SERIES 194

ASME DIMENSIONS - IMPERIAL



DIMENSIONS ASME 150 inch

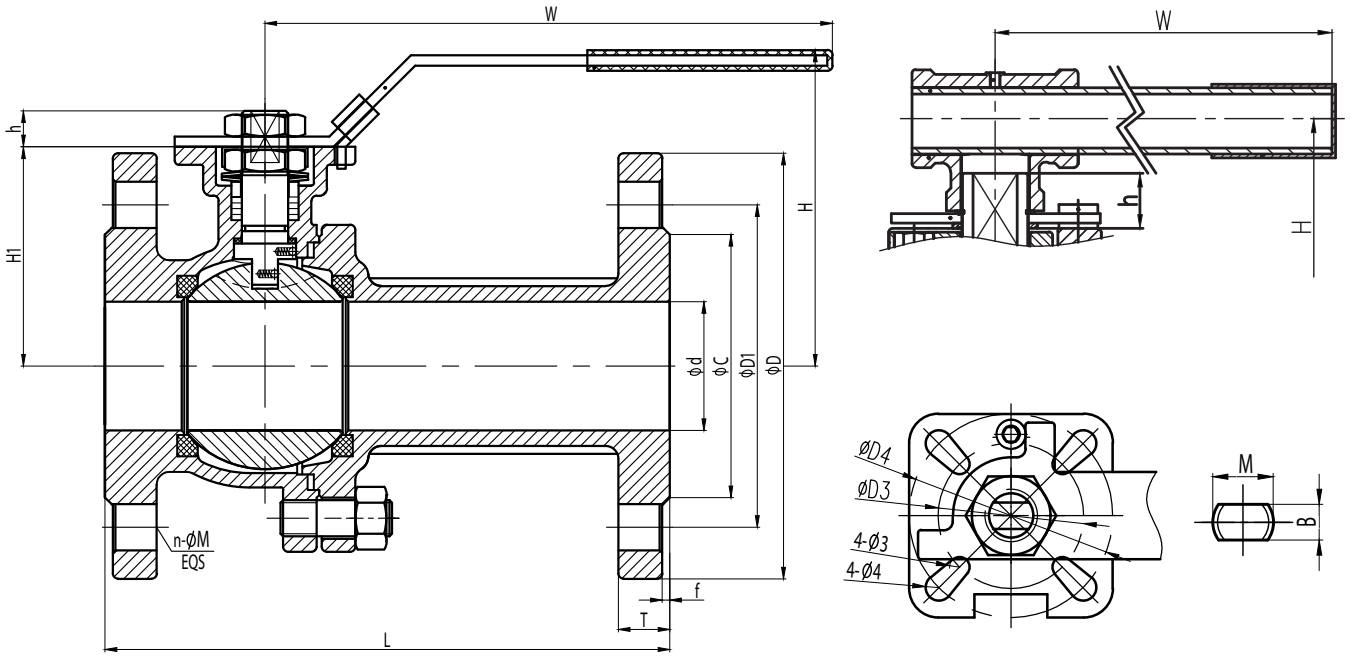
NPS	d	D	D1	C	T	f	n-ØM	L	h	H1	H	W	M	B	ØD3		ØD4		Ø3	Ø4	Weight lbs
															Dia.	ISO 5211	Dia.	ISO 5211			
1/2	0.59	3.54	2.37	1.37	0.33	0.06	4 - 0.63	4.25	0.35	1.89	3.15	5.55	0.47	0.31	1.42	F03	1.97	F05	0.24	0.28	5.4
3/4	0.79	3.94	2.75	1.69	0.37	0.06	4 - 0.63	4.61	0.35	2.13	3.39	5.55	0.47	0.31	1.42	F03	1.97	F05	0.24	0.28	7.03
1	0.98	4.33	3.13	2	0.39	0.06	4 - 0.63	5	0.43	2.4	3.84	6.38	0.55	0.39	1.65	F04	1.97	F05	0.24	0.28	8.91
1 1/2	1.5	5	3.87	2.87	0.5	0.06	4 - 0.63	6.5	0.55	2.99	4.47	8.66	0.71	0.47	1.97	F05	2.76	F07	0.28	0.35	15.23
2	1.97	5.98	4.75	3.63	0.56	0.06	4 - 0.75	7.01	0.55	3.35	4.82	8.66	0.71	0.47	1.97	F05	2.76	F07	0.28	0.35	21.34
2 1/2	2.52	7.09	5.5	4.13	0.63	0.06	4 - 0.75	7.48	0.67	4.25	6.06	11.22	0.87	0.55	2.76	F07	4.02	F10	0.35	0.43	29.59
3	2.99	7.48	6	5	0.69	0.06	4 - 0.75	7.99	0.87	5.12	6.89	14.96	1.1	0.79	–	-	4.02	F10	–	0.43	37.81
4	3.94	9.06	7.5	6.19	0.89	0.06	8 - 0.75	9.02	0.87	5.83	7.72	14.96	1.1	0.79	–	-	4.02	F10	–	0.43	55.89
6	5.91	11.02	9.5	8.5	0.94	0.06	8 - 0.87	15.51	1.26	7.95	10.31	25.83	1.42	0.94	–	-	4.92	F12	–	0.55	156.53
8	7.95	13.58	11.75	10.63	1.06	0.06	8 - 0.87	17.99	1.34	10.16	12.44	47.24	1.54	1.06	5.51	F14	6.5	F16	0.71	0.87	265.66

DIMENSIONS ASME 300 inch

NPS	d	D	D1	C	T	f	n-ØM	L	h	H1	H	W	M	B	ØD3		ØD4		Ø3	Ø4	Weight lbs
															Dia.	ISO 5211	Dia.	ISO 5211			
1/2	0.59	3.74	2.63	1.37	0.5	0.06	4 - 0.63	5.51	0.35	1.89	3.15	5.55	0.47	0.31	1.42	F03	1.97	F05	0.24	0.28	5.4
3/4	0.79	4.53	3.25	1.69	0.56	0.06	4 - 0.75	5.98	0.35	2.32	3.39	5.55	0.47	0.31	1.42	F03	1.97	F05	0.24	0.28	7.39
1	0.98	4.92	3.5	2	0.63	0.06	4 - 0.75	6.5	0.43	2.48	3.86	6.38	0.55	0.39	1.65	F04	1.97	F05	0.24	0.28	10.25
1 1/2	1.5	6.1	4.5	2.87	0.75	0.06	4 - 0.87	7.48	0.55	2.99	4.49	8.66	0.71	0.47	1.97	F05	2.76	F07	0.28	0.35	17.97
2	1.97	6.5	5	3.63	0.81	0.06	8 - 0.75	8.5	0.55	3.35	4.84	8.66	0.71	0.47	1.97	F05	2.76	F07	0.28	0.35	24.21
2 1/2	2.52	7.48	5.87	4.13	0.94	0.06	8 - 0.87	9.49	0.67	4.25	6.06	11.22	0.87	0.55	2.76	F07	4.02	F10	0.35	0.43	37.81
3	2.99	8.27	6.63	5	1.06	0.06	8 - 0.87	11.1	0.87	5.12	6.89	14.96	1.1	0.79	-	-	4.02	F10	-	0.43	54.81
4	3.94	10.04	7.87	6.19	1.19	0.06	8 - 0.87	12.01	0.87	5.83	7.72	14.96	1.1	0.79	-	-	4.02	F10	-	0.43	89.44
6	5.91	12.6	10.63	8.5	1.38	0.06	12 - 0.87	15.87	1.34	8.74	12.13	47.24	1.54	1.06	4.92	F12	5.51	F12	0.55	0.71	214.95
8	7.95	15	13	10.63	1.56	0.06	12 - 0.98	19.76	1.57	10.91	14.69	59.06	1.89	1.26	5.51	F14	6.5	F16	0.71	0.87	385.81

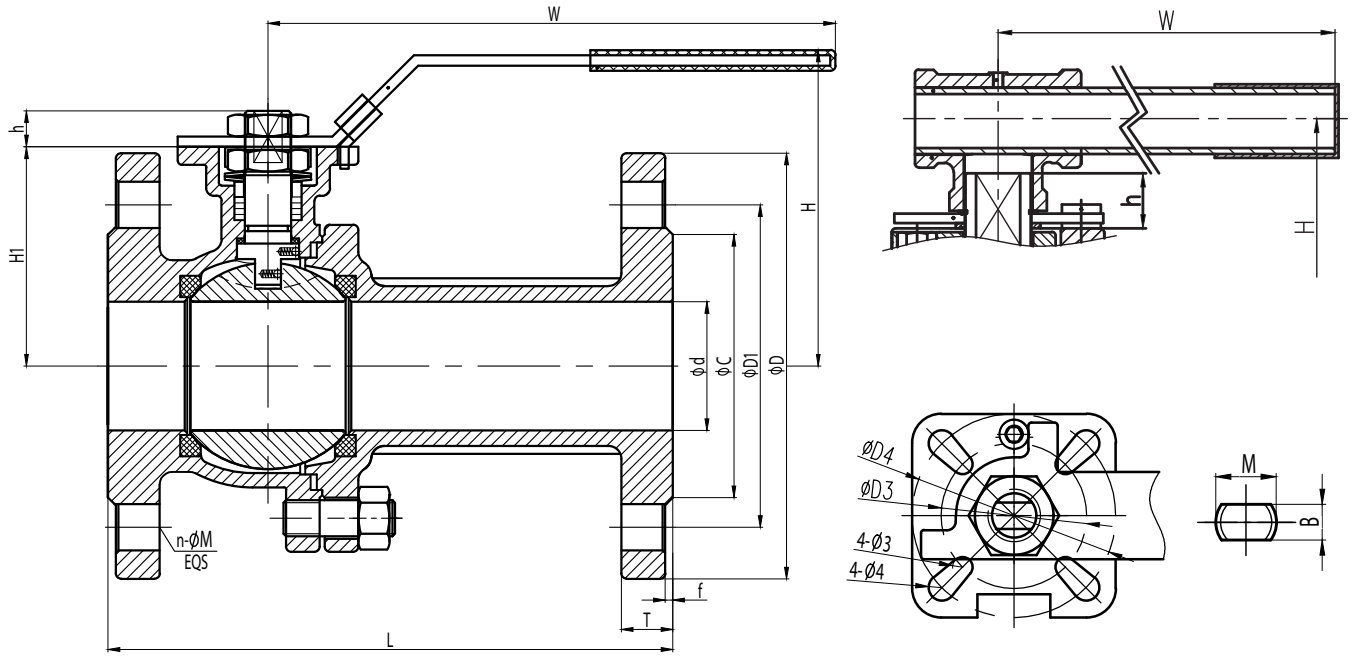
NOTE

AS 2129 Table E drilling on ASME flanges are also available.



DIN PN 10/16/25/40 DIMENSIONS mm

DN	d	Pressure	D	D1	C	T	f	n-ØM	L		h	H1	H	W	M	B	ØD3		ØD4		Ø3	Ø4	Weight kg	
									Series 1	Series 27							Dia.	ISO 5211	Dia.	ISO 5211			Series 1	Series 27
15	15	10/16/25/40	95	65	45	16	2	4-14	130	115	9	48	80	141	12	8	36	F03	50	F05	6	7	2.46	2.45
20	20	10/16/25/40	105	75	58	18	2	4-14	150	120	9	54	86	141	12	8	36	F03	50	F05	6	7	3.24	3.19
25	25	10/16/25/40	115	85	68	18	2	4-14	160	125	11	61	97.5	162	14	10	42	F04	50	F05	6	7	4.12	4.04
40	38	10/16/25/40	150	110	88	18	3	4-18	200	140	14	76	113.5	220	18	12	50	F05	70	F07	7	9	7.18	6.91
50	50	10/16/25/40	165	125	102	20	3	4-18	230	150	14	85	122.5	220	18	12	50	F05	70	F07	7	9	9.99	9.68
65	64	10/16	185	145	122	18	3	4-18	290	170	17	108	154	285	22	14	70	F07	102	F10	9	11	14.9	13.42
65	64	25/40	185	145	122	22	3	8-18	290	170	17	108	163	285	22	14	70	F07	102	F10	9	11	16.3	14.66
80	76	10/16	200	160	138	20	3	8-18	310	180	17	122	166	285	22	14	70	F07	102	F10	9	11	17.46	17.15
80	76	25/40	200	160	138	24	3	8-18	310	180	22	130	172	285	28	20	–	–	102	F10	–	11	22.5	20.38
100	100	10/16	220	180	158	20	3	8-18	350	190	22	148	196	380	28	20	–	–	102	F10	–	11	25.39	25.35
100	100	25/40	235	190	162	24	3	8-22	350	190	32	148	201	380	28	20	–	–	102	F10	–	11	32.45	28.95
125	123	10/16	250	210	188	22	3	8-18	400	325	32	180	262	456	36	24	–	–	125	F12	–	14	44.31	42.31
125	123	25/40	270	220	188	26	3	8-26	400	325	32	180	260	705	36	24	–	–	125	F12	–	14	60.9	58.4
150	150	10/16	285	240	212	22	3	8-22	480	350	32	202	262	656	36	24	–	–	125	F12	–	14	58.3	60.77
150	150	25/40	300	250	218	28	3	8-26	480	350	32	222	310	1200	39	27	125	F12	140	F14	14	18	87.9	82.8



DIN PN 10/16/25/40 DIMENSIONS inch

NPS	d	Pressure	D	Dl	C	T	f	n-ØM	L		h	H1	H	W	M	B	ØD3		ØD4		Ø3	Ø4	Weight lbs	
									Series 1	Series 27							Dia.	ISO 5211	Dia.	ISO 5211			Series 1	Series 27
1/2	0.59	10/16/25/40	3.74	2.56	1.77	0.63	0.08	4-0.55	5.12	4.53	0.35	1.89	3.15	5.55	0.47	0.31	1.42	F03	1.97	F05	0.24	0.28	5.51	5.40
3/4	0.79	10/16/25/40	4.13	2.95	2.28	0.71	0.08	4-0.55	5.91	4.72	0.35	2.13	3.39	5.55	0.47	0.31	1.42	F03	1.97	F05	0.24	0.28	7.05	7.03
1	0.98	10/16/25/40	4.53	3.35	2.68	0.71	0.08	4-0.55	6.3	4.92	0.43	2.4	3.84	6.38	0.55	0.39	1.65	F04	1.97	F05	0.24	0.28	9.04	8.91
1 1/2	1.57	10/16/25/40	5.91	4.33	3.46	0.71	0.12	4-0.71	7.87	5.51	0.55	2.99	4.47	8.66	0.71	0.47	1.97	F05	2.76	F07	0.28	0.35	15.87	15.23
2	1.97	10/16/25/40	6.5	4.92	4.02	0.79	0.12	4-0.71	9.06	5.91	0.55	3.35	4.82	8.66	0.71	0.47	1.97	F05	2.76	F07	0.28	0.35	22.05	21.34
2 1/2	2.56	10/16	7.28	5.71	4.8	0.71	0.12	4-0.71	11.42	6.69	0.67	4.25	6.06	11.22	0.87	0.55	2.76	F07	4.02	F10	0.35	0.43	32.85	29.59
2 1/2	2.56	25/40	7.28	5.71	4.8	0.87	0.12	8-0.71	11.42	6.69	0.67	4.25	6.42	11.22	0.87	0.55	2.76	F07	4.02	F10	0.35	0.43	35.94	32.32
3	3.15	10/16	7.87	6.3	5.43	0.79	0.12	8-0.71	12.2	7.09	0.67	4.8	6.54	11.22	0.87	0.55	2.76	F07	4.02	F10	0.35	0.43	38.58	37.81
3	3.15	25/40	7.87	6.3	5.43	0.94	0.12	8-0.71	12.2	7.09	0.87	5.12	6.77	11.22	1.1	0.79	–	–	4.02	–	–	0.43	49.6	44.93
4	3.94	10/16	8.66	7.09	6.22	0.79	0.12	8-0.71	13.78	7.48	0.87	5.83	7.72	14.96	1.1	0.79	–	–	4.02	–	–	0.43	56	55.89
4	3.94	25/40	9.25	7.48	6.38	0.94	0.12	8-0.87	13.78	7.48	1.26	5.83	7.91	14.96	1.1	0.79	–	–	4.02	–	–	0.43	71.65	63.82
5	4.92	10/16	9.84	8.27	7.4	0.87	0.12	8-0.71	15.75	12.8	1.26	7.09	10.31	17.95	1.42	0.94	–	–	4.92	–	–	0.55	97.66	93.28
5	4.92	25/40	10.63	8.66	7.4	1.02	0.12	8-1.02	15.75	12.8	1.26	7.09	10.24	27.76	1.42	0.94	–	–	4.92	–	–	0.55	134.26	128.75
6	5.91	10/16	11.22	9.45	8.35	0.87	0.12	8-0.87	18.9	13.78	1.26	7.95	10.31	25.83	1.42	0.94	–	–	4.92	–	–	0.55	128.53	133.97
6	5.91	25/40	11.81	9.84	8.58	1.1	0.12	8-1.02	18.9	13.78	1.26	8.74	12.2	47.24	1.54	1.06	4.92	F12	5.51	F14	0.55	0.71	193.79	182.54

DIFFERENTIAL PRESSURE - TORQUE (SEAT: TFM1600)

		Pressure unit: bar / psi					MAST for F51 Nm / ft-lb	
		6 / 87	10 / 145	16 / 232	25 / 362.5	40 / 580	ANSI Class 150	ANSI Class 300
DN	NPS	Torque unit: Nm / ft-lbs					DIN PN 10/16	DIN PN 25/40
15	1/2	6 / 4.43	6 / 4.43	6 / 4.43	6 / 4.43	6 / 4.43	39 / 29	39 / 29
20	3/4	8 / 5.9	8 / 5.9	8 / 5.9	8 / 5.9	8 / 5.9	39 / 29	39 / 29
25	1	10 / 7.38	12 / 8.85	12 / 8.85	13 / 9.59	13 / 9.59	123 / 91	123 / 91
40	1 1/2	16 / 11.8	18 / 13.28	20 / 14.75	22 / 16.23	23 / 16.96	224 / 166	224 / 166
50	2	30 / 22.13	33 / 24.34	35 / 25.81	38 / 28.03	40 / 29.5	224 / 166	224 / 166
65	2 1/2	38 / 28.03	42 / 30.98	50 / 36.88	55 / 40.57	60 / 44.25	389 / 287	389 / 287
80	3	60 / 44.25	80 / 59	90 / 66.38	100 / 73.76	115 / 84.82	834 / 616*	834 / 616
100	4	90 / 66.38	118 / 87.03	135 / 99.57	160 / 118.01	185 / 136.45	991 / 731	991 / 731
125+	5	240 / 170.01	260 / 191.77	300 / 221.27	320 / 236.02	350 / 258.15	1879 / 1386	1879 / 1386
150	6	300 / 221.27	350 / 258.15	400 / 295.02	460 / 339.28	480 / 354.03	1879 / 1386	2566 / 1893
200++	8	500 / 368.78	560 / 413.03	620 / 457.29	635 / 468.35	760 / 560.55	2566 / 1893	4571 / 3372

* MAST value for DN 80 PN 10/16 is 389 / 287; value shown here is for DN 80 ANSI CL 150

NOTES

1. The torque of this table is the maximum open torque of the two-disc floating ball valve with differential pressure difference.
2. For pneumatic and electric actuator drive, the safety factor of minimum driving torque is 30%.

+ Only available in DIN PN 10/16 and PN 25/40

++ Only available in ANSI CL 150 and CL 300

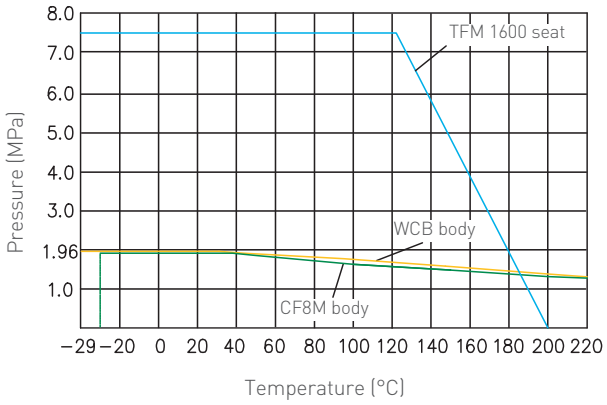
FLOW COEFFICIENTS (CLASS 150/300)

DN	NPS	C_v (Gal/min)	K_v (M^3/h)
15	1/2	25	21
20	3/4	56	48
25	1	98	84
40	1 1/2	235	201
50	2	366	314
65	2 1/2	620	530
80	3	938	804
100	4	1466	1256
125	5	2290	1962
150	6	3298	2826
200	8	5863	5024

NOTE

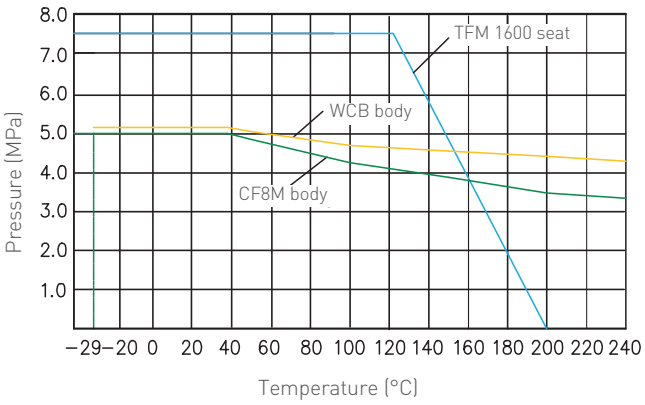
$K_v = C_v / 1.167$

NON-FIRESAFE - CLASS 150 WCB / CF8M BODY - ASME
SPLIT-BODY FLANGED BALL VALVE
DN 15 - 200 / NPS 1/2 - 8 — FULL BORE



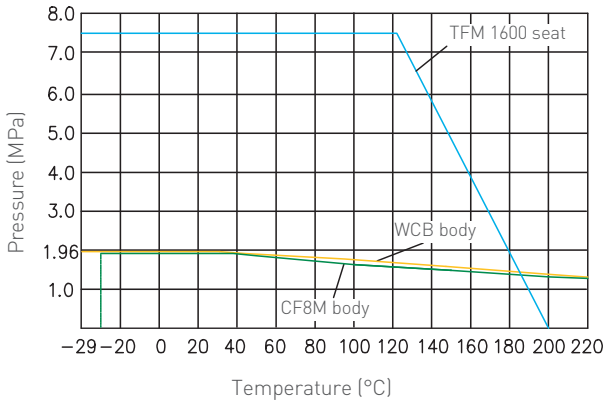
(Class 150 TFM 1600 Seat T - P curve)

NON-FIRESAFE - CLASS 300 WCB / CF8M BODY - ASME
SPLIT-BODY FLANGED BALL VALVE
DN 15 - 200 / NPS 1/2 - 8 — FULL BORE



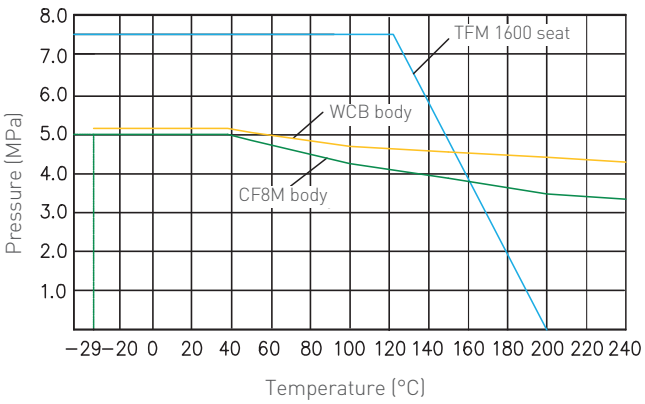
(Class 300 TFM 1600 Seat T - P curve)

FIRESAFE - CLASS 150 WCB / CF8M BODY - ASME
SPLIT-BODY FLANGED BALL VALVE
DN 15 - 200 / NPS 1/2 - 8 — FULL BORE



(Class 150 TFM 1600 Seat T - P curve)

FIRESAFE - CLASS 300 WCB / CF8M BODY - ASME
SPLIT-BODY FLANGED BALL VALVE
DN 15 - 200 / NPS 1/2 - 8 — FULL BORE

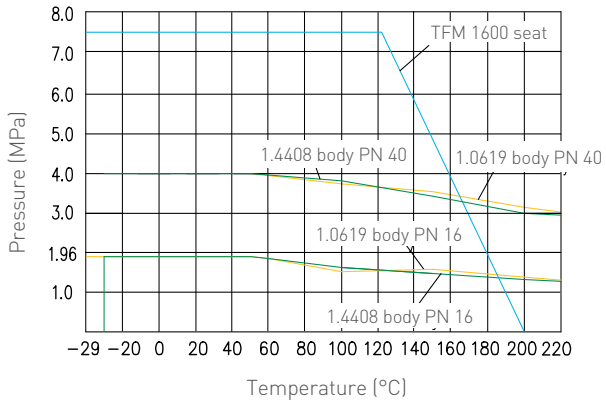


(Class 300 TFM 1600 Seat T - P curve)

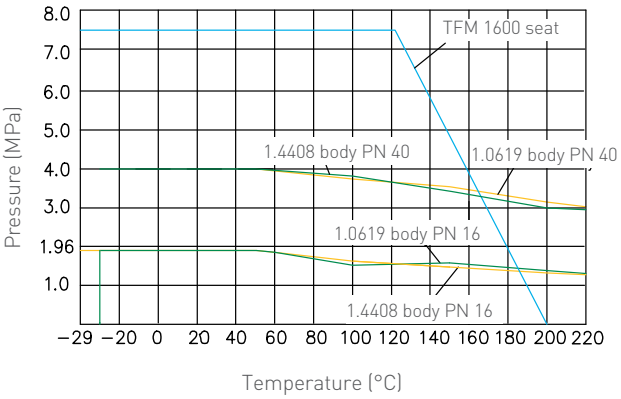
Legend:

- TFM 1600 seat
- WCB body
- CF8M body

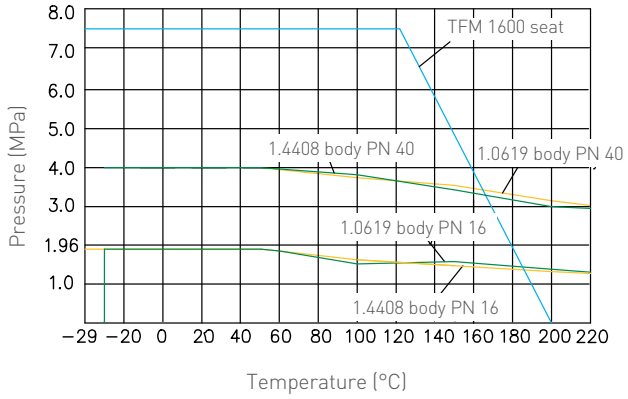
F194 – SPLIT-BODY FLANGED BALL VALVE
BODY: EN 1.4408 / 1.0619
SEAT: TFM 1600
SIZE: DN 15 - 50 / NPS 1/2 -2 — FULL BORE
PN: 10/16/25/40



F194 – SPLIT-BODY FLANGED BALL VALVE
BODY: EN 1.4408 / 1.0619
SEAT: TFM 1600
SIZE: DN 65 - 150 / NPS 2 1/2 - 6 — FULL BORE
PN: 10/16



F194 – SPLIT-BODY FLANGED BALL VALVE
BODY: EN 1.4408 / 1.0619
SEAT: TFM 1600
SIZE: DN 65 - 150 / NPS 2 1/2 - 6 — FULL BORE
PN: 25/40



Legend:

- TFM 1600 seat
- WCB body
- CF8M body

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