

BALL VALVE

API Floating Ball Valve

REF **EFC-9** ISSUED 05 Jun 2026

SPECIFICATIONS

Size	NPS 2"–NPS 12"
Pressure	CLASS 150LB–CLASS 2500LB
End connection	flanged (ASME B16.5) / flanged (ASME B16.47)
Face-to-face	ASME B16.10

ACTUATION

- manual lever — A216 WCB handle with orientation board and backstop

STANDARDS

Design	API 6D, ASME B16.34
Test	API 598

APPROVALS & CERTIFICATIONS

- Firesafe (API 607)
- DNV



MATERIALS

body	Carbon Steel, Austenitic Stainless Steel	bonnet	Carbon Steel, Austenitic Stainless Steel
seat	Polymer	ball	Alloy Steel / Carbon Steel with ENP coating, Austenitic Stainless Steel
gasket	Graphite / Stainless Steel	stem	Martensitic Stainless Steel, Austenitic Stainless Steel
thrust gasket	Polymer	packing	Graphite / Polymer
press board	Carbon Steel, Austenitic Stainless Steel	orientation board	Carbon Steel with Zinc coating
backstop	Manganese Spring Steel	handle	Carbon Steel
inside hex bolt	Alloy Steel, Austenitic Stainless Steel	name plate	Stainless Steel
rivet	Aluminium	spring	Austenitic Stainless Steel
steel ball	Austenitic Stainless Steel	disc	Carbon Steel, Stainless Steel

FEATURES

- Floating ball design
- PTFE seats
- Graphite/PTFE packing
- Firesafe construction conforming to API 607
- Anti-static spring and steel ball
- Stem with thrust gasket

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SECTION Dimensions per size REF EFC-9

SIZE	D	D	D1	D2	B	F	N_BOLT_CIR- CLE	L	H
NPS 2" (150LB)	51	152	120.5	92	16	1.6	4-ø19	178	143
NPS 3" (150LB)	76	190	152.5	127	19	1.6	4-ø19	203	194
NPS 4" (150LB)	102	229	190.5	157	24	1.6	8-ø19	229	233
NPS 6" (150LB)	152	279	241.5	216	26	1.6	8-ø22	394	297
NPS 8" (150LB)	203	343	298.5	270	29	1.6	8-ø22	457	580
NPS 10" (150LB)	254	406	362	324	31	1.6	12-ø25	533	625
NPS 12" (150LB)	305	483	432	381	32	1.6	12-ø25	610	800
NPS 2" (300LB)	51	165	127	92	23	1.6	8-ø19	216	143
NPS 3" (300LB)	76	210	168.5	127	29	1.6	8-ø22	283	194
NPS 4" (300LB)	102	254	200	157	32	1.6	8-ø22	305	233
NPS 6" (300LB)	152	318	270	216	37	1.6	12-ø22	403	297
NPS 8" (300LB)	203	381	330	270	42	1.6	12-ø25	502	580
NPS 10" (300LB)	254	445	387.5	324	48	1.6	16-ø29	568	625

All dimensions in millimetres unless stated otherwise. Values are nominal; tolerances confirmed at quote.