

CHECK VALVE

API Check Valve

REF **EFC-6** ISSUED 05 Jun 2026

SPECIFICATIONS

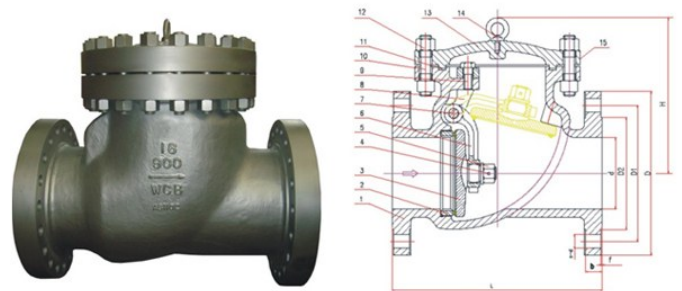
Size	NPS 2"–NPS 24"
Pressure	CLASS 150LB–CLASS 2500LB
End connection	flanged (ASME B16.5) / flanged (ASME B16.47)
Face-to-face	ASME B16.10

STANDARDS

Design	API 6D, BS 1868
Test	API 598

APPROVALS & CERTIFICATIONS

- DNV approval



MATERIALS

body	Carbon Steel, Austenitic Stainless Steel	bonnet	Carbon Steel, Austenitic Stainless Steel
seat	Carbon Steel with 13% Chromium overlay, Carbon Steel with Stellite overlay, Austenitic Stainless Steel	disc	Carbon Steel with 13% Chromium overlay, Austenitic Stainless Steel
pin	Austenitic Stainless Steel, Stainless Steel	disc nut	Carbon Steel, Austenitic Stainless Steel
hinge	Carbon Steel, Austenitic Stainless Steel	fork	Carbon Steel, Austenitic Stainless Steel
gasket	Graphite / Stainless Steel	lifting eye	Carbon Steel
nameplate	Stainless Steel		

FEATURES

- Swing check valve design
- Cast steel construction
- Multiple trim material options including 13CR and Stellite seat overlays
- Flanged end connections to ASME B16.5 and B16.47
- Butt-weld end connections to ASME B16.25
- Socket weld / threaded ends to ASME B16.11
- Swing check valve with bolted cover/bonnet secured by multiple stud bolts and nuts
- Raised face flanged ends

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SECTION Dimensions per size REF EFC-6

SIZE	D	D	D1	D2	B	F	N_D	L	H
NPS 2" / 150LB	51	152	120.5	92	16	1.6	4-ø19	203	143
NPS 2.5" / 150LB	64	178	139.5	105	18	1.6	4-ø19	216	158
NPS 3" / 150LB	76	190	152.5	127	19	1.6	4-ø19	241	173
NPS 4" / 150LB	102	229	190.5	157	24	1.6	8-ø19	292	211
NPS 6" / 150LB	152	279	241.5	216	26	1.6	8-ø22	356	314
NPS 8" / 150LB	203	343	298.5	270	29	1.6	8-ø22	495	356
NPS 10" / 150LB	254	406	362	324	31	1.6	12-ø25	622	435
NPS 12" / 150LB	305	483	432	381	32	1.6	12-ø25	698	496
NPS 14" / 150LB	337	533	476	413	35	1.6	12-ø29	787	571
NPS 16" / 150LB	387	597	540	470	37	1.6	16-ø29	864	619
NPS 18" / 150LB	438	635	578	533	40	1.6	16-ø32	978	677
NPS 20" / 150LB	489	699	635	584	43	1.6	20-ø32	978	727
NPS 24" / 150LB	591	813	749.5	693	48	1.6	20-ø35	1295	813
NPS 2" / 300LB	51	165	127	92	23	1.6	8-ø19	267	188
NPS 3" / 300LB	76	210	168.5	127	29	1.6	8-ø22	318	215
NPS 4" / 300LB	102	254	200	157	32	1.6	8-ø22	356	233
NPS 6" / 300LB	152	318	270	216	37	1.6	12-ø22	444.5	333

API Check Valve

Dimensions per size (continued) · EFC-6

SIZE	D	D	D1	D2	B	F	N_D	L	H
NPS 8" / 300LB	203	381	330	270	42	1.6	12-ø25	533	388
NPS 10" / 300LB	254	445	387.5	324	48	1.6	16-ø29	622	460
NPS 12" / 300LB	305	521	451	381	51	1.6	16-ø32	711	519
NPS 14" / 300LB	337	584	514.5	413	54	1.6	20-ø32	838	585
NPS 16" / 300LB	387	648	571.5	470	58	1.6	20-ø35	864	630
NPS 18" / 300LB	432	711	628.5	533	61	1.6	24-ø35	978	695
NPS 20" / 300LB	483	775	686	584	64	1.6	24-ø35	1016	750
NPS 24" / 300LB	584	914	813	693	70	1.6	24-ø41	1346	840
NPS 2" / 600LB	51	165	127	92	26	6.4	8-ø19	292	215
NPS 3" / 600LB	76	210	168	127	32	6.4	8-ø22	356	265
NPS 4" / 600LB	102	273	216	157	38	6.4	8-ø25	432	310
NPS 6" / 600LB	152	356	292	216	48	6.4	12-ø29	559	369
NPS 8" / 600LB	200	419	349	270	56	6.4	12-ø32	660	446
NPS 10" / 600LB	248	508	432	324	64	6.4	16-ø35	787	554
NPS 12" / 600LB	298	559	489	381	67	6.4	20-ø35	838	580
NPS 14" / 600LB	327	603	527	413	70	6.4	20-ø38	889	630
NPS 16" / 600LB	375	686	603	470	77	6.4	20-ø41	991	690
NPS 18" / 600LB	419	743	654	533	83	6.4	20-ø44	1092	810
NPS 20" / 600LB	464	813	724	584	89	6.4	24-ø44	1194	930
NPS 24" / 600LB	559	940	838	693	102	6.4	24-ø52	1397	1052

API Check Valve

Dimensions per size (continued) · EFC-6

SIZE	D	D	D1	D2	B	F	N_D	L	H
NPS 2" / 900LB	47	216	165	92	38.5	6.4	8-ø26	368	285
NPS 3" / 900LB	73	241	190.5	127	38.5	6.4	8-ø26	381	315
NPS 4" / 900LB	98	292	235	157	44.5	6.4	8-ø32	457	354
NPS 6" / 900LB	146	381	317.5	216	56	6.4	12-ø32	610	420
NPS 8" / 900LB	190	470	393.5	270	63.5	6.4	12-ø38	737	485
NPS 10" / 900LB	238	546	470	324	70	6.4	16-ø38	838	560
NPS 12" / 900LB	282	610	533.5	381	79.5	6.4	20-ø38	965	630
NPS 14" / 900LB	311	641	559	413	86	6.4	20-ø41	1029	695
NPS 16" / 900LB	356	705	616	470	89	6.4	20-ø44	1130	758

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