

## API VALVE

# API Wafer Type Check Valve

REF **EFC-427** ISSUED 06 Jul 2026

## SPECIFICATIONS

Size	<b>DN50 to DN1200</b>
Pressure	<b>Class 150, Class 300</b>
End connection	<b>flanged (ASME B16.5) / flanged (ASME B16.47 / API 605 / MSS SP-44)</b>
Face-to-face	<b>API 6D, DIN 3202</b>

## STANDARDS

Design	<b>API 6D</b>
Test	<b>API 598, API 6D</b>

## MATERIALS

Body	<b>A216 WCB, A352 LCB, A217 WC6, A217 WC9, A217 C5, A351 CF8, A351 CF8M</b>	Disc	<b>A351 CF8, A217 WC6, A217 WC9, A217 C5, A351 CF8M</b>
Stem	<b>A182 F6a, A182 F304, A182 F316</b>	Spring	<b>Stainless steel, Inconel</b>

## FEATURES

- Short face-to-face dimensions, 1/4 to 1/8 times those of a traditional flanged check valve
- Compact and lightweight, approximately 1/4 to 1/20 of the volume and weight of a traditional flanged check valve
- Disc closes quickly with reduced water hammer pressure
- Suitable for installation on horizontal or vertical pipelines
- Fluent flow passage with low flow resistance
- Sensitive actuation with good sealing effect
- Short disc travel reduces impact force on valve closing
- Integral structure with clean outline
- Long service life with high reliability

Install, operate and maintain in accordance with the manufacturer's manual supplied with the product.

API VALVE

# API Wafer Type Check Valve

SECTION Dimensions per size REF EFC-427

SIZE	L	D	D2	D3	D1	NUM_BOLTS	BOLT_D_MM	RF	L1	RTJ	WEIGHT
NPS 2 / DN50	60	103	51	56	120.5	4	5/8 in	M16	140	155	2 kg
NPS 2 1/2 / DN65	67	122	65	73	139.5	4	5/8 in	M16	150	165	3 kg
NPS 3 / DN80	73	135	80	88	152.5	4	5/8 in	M16	160	175	4 kg
NPS 4 / DN100	73	173	102	108	190.5	8	5/8 in	M16	170	185	6 kg
NPS 5 / DN125	86	195	127	132	216	8	3/4 in	M20	190	205	8 kg
NPS 6 / DN150	98	220	152	160	241.5	8	3/4 in	M20	205	220	13 kg
NPS 8 / DN200	127	277	203	210	298.5	8	3/4 in	M20	240	255	25 kg
NPS 10 / DN250	146	337	254	266	362	12	7/8 in	M24	270	285	39 kg
NPS 12 / DN300	181	407	305	310	432	12	7/8 in	M24	310	325	54 kg
NPS 14 / DN350	184	448	350	355	476	12	1 in	M27	325	340	80 kg
NPS 16 / DN400	191	512	400	405	540	16	1 in	M27	340	355	117 kg
NPS 18 / DN450	203	547	450	455	578	16	1 1/8 in	M30	365	380	138 kg
NPS 20 / DN500	219	604	500	505	635	20	1 1/8 in	M30	385	400	163 kg
NPS 24 / DN600	222	715	600	605	749.5	20	1 1/4 in	M33	405	420	331 kg
NPS 28 / DN700	305	773	700	700	795.5	40	3/4 in	M20	455	—	380 kg
NPS 30 / DN750	305	824	746	750	846	44	3/4 in	M20	455	—	425 kg
NPS 32 / DN800	305	878	796	800	900	48	3/4 in	M20	460	—	560 kg
NPS 36 / DN900	368	983	898	910	1009.5	44	7/8 in	M24	540	—	640 kg
NPS 42 / DN1050	432	1142	1050	1055	1171.5	48	1 in	M27	625	—	960 kg
NPS 48 / DN1200	524	1302	1200	1205	1335	44	1 1/8 in	M30	740	—	1400 kg
NPS 2 / DN50	60	110	51	58	127	8	5/8 in	M16	155	175	3 kg
	67	128	65	73	149	8	3/4 in	M20	175	195	4 kg

Install, operate and maintain in accordance with the manufacturer's manual supplied with the product.

**NPS 2 1/2 /  
DN65**

<b>NPS 3 / DN80</b>	73	147	80	88	168.5	8	3/4 in	M20	190	210	6 kg
<b>NPS 4 / DN100</b>	73	179	102	108	200	8	3/4 in	M20	195	215	8 kg
<b>NPS 5 / DN125</b>	86	214	127	132	235	8	3/4 in	M20	215	235	15 kg

## API Wafer Type Check Valve

Dimensions per size (continued) · EFC-427

SIZE	L	D	D2	D3	D1	NUM_BOR	T_D	BOLT_D	MM	RF	L1	RTJ	WEIGHT
<b>NPS 6 / DN150</b>	98	249	152	160	270	12	3/4 in	M20	230	250			18 kg
<b>NPS 8 / DN200</b>	127	305	203	210	330	12	7/8 in	M24	280	300			31 kg
<b>NPS 10 / DN250</b>	146	359	254	266	387.5	16	1 in	M27	315	335			51 kg
<b>NPS 12 / DN300</b>	181	420	305	310	451	16	1 1/8 in	M30	365	385			77 kg
<b>NPS 14 / DN350</b>	222	483	350	355	514.5	20	1 1/8 in	M30	410	430			117 kg
<b>NPS 16 / DN400</b>	232	537	400	405	571.5	20	1 1/4 in	M33	435	455			190 kg
<b>NPS 18 / DN450</b>	264	594	450	455	628.5	24	1 1/4 in	M33	475	495			200 kg
<b>NPS 20 / DN500</b>	292	652	500	505	686	24	1 1/4 in	M33	510	535			265 kg
<b>NPS 24 / DN600</b>	318	772	600	608	813	24	1 1/2 in	M39	560	585			410 kg
<b>NPS 30 / DN750</b>	368	882	735	740	921	36	1 3/8 in	M36	650	—			660 kg
<b>NPS 36 / DN900</b>	483	1044	873	880	1089	32	1 5/8 in	M42	800	—			1020 kg
<b>NPS 42 / DN1050</b>	568	1196	1035	1045	1244.5	36	1 3/4 in	M45	920	—			1540 kg
<b>NPS 48 / DN1200</b>	629	1365	1179	1190	1416	40	1 7/8 in	M48	1010	—			2260 kg

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