

## Abacus Dual plate check valve Type: 2239 Steel Wafer type Class 300

Carbon steel wafer type check valve, dual plate, retainerless design, Class 300.



### Characteristics

- Type:** 2239
- Norm:** ASME
- Housing material:** Steel
- Material quality:** ASTM A352 LCC
- Surface protection:** Standard manufacturers coating
- Connection:** Wafer type
- Standard connection:** ASME
- Flange finish:** Raised face
- Face to Face norm:** API 594
- With spring:** Yes
- Maximum pressure difference at 20 °C:** 50 bar

### Technical Information

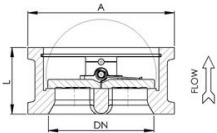
- Design: API594.
- Testing: API 598 and EN 12266-1.
- NACE MR-01-75.

### Options

- Available in Class 150; type 2238.
- Available in Class 600; type 2240.
- Available in stainless steel; type 2242.
- Available in other materials.
- Available in other pressure Classes.
- Available in lug type or double flange version.

### Application

- Refineries and (petro-)chemical process installations.
- Oil & gas industry.
- Steam and oil.
- Neutral liquids and gases.
- Suitable for horizontal and vertical (rising flow) mounting.
- Recommended in: Chemical, Petrochemical and Refining



DN	A	L	Weight
["]	[mm]	[mm]	[kg]
2	50	111	3
2.1/2	65	130	5
3	80	149	7
4	100	181	8
6	125	251	20
8	150	308	37
10	200	362	57
12	250	422	91

Pressure and temperature range									
-46	38	50	100	150	200	250	300	345	[°C]
51.7	51.7	51.7	51.5	50.2	48.6	46.3	42.9	40.0	[bar]
ASTM A352 LCC can not be used above 345°C									

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Nominal inner diameter	Pressure rating	Face to Face length	Valve shape	Sealing	Material disc	Material shaft	Spring material	Minimum medium temperature (continuous)	Maximum medium temperature (continuous)	Article
		mm						°C	°C	
2" [50]	Class 300	60	Dual plate	Stainless steel	ASTM A351 CF8M	ASTM A479 316	Inconel	-46	345	14157396
2.1/2" [65]	Class 300	67	Dual plate	Stainless steel	ASTM A351 CF8M	ASTM A479 316	Inconel	-46	345	14157397
3" [80]	Class 300	73	Dual plate	Stainless steel	ASTM A351 CF8M	ASTM A479 316	Inconel	-46	345	14157398
4" [100]	Class 300	73	Dual plate	Stainless steel	ASTM A351 CF8M	ASTM A479 316	Inconel	-46	345	14157399
6" [150]	Class 300	98	Dual plate	Stainless steel	ASTM A351 CF8M	ASTM A479 316	Inconel	-46	345	14157400
8" [200]	Class 300	127	Dual plate	Stainless steel	ASTM A351 CF8M	ASTM A479 316	Inconel	-46	345	14157401
10" [250]	Class 300	146	Dual plate	Stainless steel	ASTM A351 CF8M	ASTM A479 316	Inconel	-46	345	14157402
12" [300]	Class 300	181	Dual plate	Stainless steel	ASTM A351 CF8M	ASTM A479 316	Inconel	-46	345	14157428

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