

**DFT Inc.**

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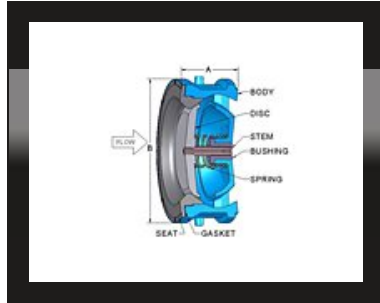
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Prod. # 522L1B4A5, API 594 Face-to-Face 4" A216 WCB Body, 316SS Trim Dual Rated ANSI Class 150/300 ALC® Wafer Check Valve

The ALC® is an in-line, spring assisted, center guided "wafer" check valve designed to prevent "water hammer" and "reverse" flow. The lightweight compact design fits between mating flanges and meets API 594 Face-to-Face dimensions. The ALC® is an easy to maintain check valve for applications involving liquids, gases or steam.

All temperature ratings are for standard valves.



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Specifications

Series	ALC®
Class	150/300
Size	DN 100 4 in
Dimension A	2.88 in 73 mm
B (Dia.)	7 in 178 mm
Weight	17.4 lb 7.9 kg
Cv	430
Cracking Pressure CP	0.5 psig 0.034 bar

Materials of Construction

Body¹	A216 WCB
Body Material	Carbon Steel
Disc/Stem Assy	316 SS/Nitronic 60
Seat	316 SS
Spring²	Inconel® X-750

Bushing	A479 316
Bushing Material	316 SS
Gasketing³	CFG (Corrugated Flexible Graphite)

Soft Seat Materials

Soft Seat Materials⁴

Buna-N (-70 to 250°F)
 EPDM (-75 to 300°F)
 TFE®-Viton (-40 to 400°F)
 Viton® (-40 to 400°F)
 Zelon® (37 to 400°F)

Valve Selection Specifications

ENDS	Wafer - ASME Raised Face
ASME	150 300
Materials	316 SS/316 SS Other Alloys WCB/316 SS

Codes and Standards

ANSI	B16.34 B16.5
MSS	SP-25 SP-6 SP-61
ASTM	A216GR WCB A351GR CF8M
Other	API 594 API 6D

Features

- API 594 Face-to-Face dimensions
- Wafer RF ends
- Spring-assisted silent closing
- Horizontal or vertical installation
- Sizes 2" thru 24"
- ASME Class 150 and 300
- Standard body materials:
 - A216 WCB
 - A351 CF8M
- Stainless steel seat, disc & bushing
- Nitronic 60 stem
- Inconel® X-750 Spring
- 0.5 psi cracking pressure spring
- Seat Leakage per MSS SP-61
- Tapped holes in body for lifting lugs
- Axial flow
- Nozzle style

Options

- Body Materials:
 - Alloy 20
 - Hastelloy®
 - Others upon request
- 316 SS spring
- Custom sizing - low flow
- Stellite trim
- NACE
- Soft-Seat

¹ Other Body materials available.

² 316 SS spring is available.

³ 316/Graphite material.

⁴ Teflon Encapsulated Viton