

## C200 Series

0 to 5000 psig Cartridge Check Valve



### Features

- Large flow capacity
- Compact design
- Floating o-ring

### Benefits

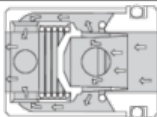
- Maintenance free flow
- Easy installation
- Zero leak
- Quiet closing
- Automatic compensation for wear

### Technical Data

<b>Body Construction Materials</b>	Aluminum, 303 or 316 stainless steel, steel
<b>Finish Materials</b>	Aluminum-anodized, steel black oxide
<b>O-ring Materials</b>	Buna N, PTFE and Viton®
<b>Spring Material</b>	302 stainless steel
<b>Operating Pressure</b>	0 to 5000 psig (345 bar)
<b>Proof Pressure</b>	0 to 7500 psig (517 bar)
<b>Rated Burst Pressure</b>	Over 15000 psig (1,034 bar)
<b>Temperature Range</b>	-100° F to +400° F (-73° C to +204° C)
	<i>Based on o-ring &amp; body material, see "How to Order"</i>

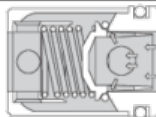
*Note: Proper filtration is recommended to prevent damage to sealing surfaces.*

### How it Works



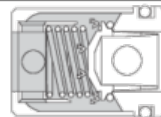
#### Open

Full flow passages offer minimum restriction to flow. Spring is completely removed from flow path.



#### Closing

Floating o-ring automatically establishes line contact with conical metal surfaces of poppet and seat to cushion closing and insure perfect sealing.



#### Closed

O-ring only seals. Full pressure load is carried by metal-to-metal seat. Increasing pressure increases sealing efficiency—metal seat prevents any possibility of deformation or extrusion of o-ring.

check valves

### Circle Seal Controls

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