

2300 Series

to 10000 psi Check Valve



Features

- Designed for high pressure service
- Seal-in-a-ring
- Single piece design

Benefits

- Less susceptible to contamination damage
- Less leakage at normal lock pressure
- Automatic compensation for wear
- Uniform, quiet closing

Technical Data

Body Construction/Material	Maximum brass, all stainless steel or 316 SS construction
Construction	Seal-in-a-ring, single piece design, MSS and ASME
Operating Pressure	Maximum 10,000 psi (689 bar) Air maximum rated (ASME) Water 10,000 psi (689 bar) Air stainless steel 1 to 10,000 psi (689 bar) Water stainless steel 1 to 10,000 psi (689 bar)
Seat Pressure	Maximum 1000 psi (68.9 bar) Water 1000 psi (68.9 bar) Air stainless steel 1 to 1000 psi (68.9 bar) Water stainless steel 1000 psi (68.9 bar)
Seat Seal Pressure	Water 1000 psi (68.9 bar) Air stainless steel 1 to 1000 psi (68.9 bar) Water stainless steel 1000 psi (68.9 bar)
Temperature Range	ASME B16.34 1.1 (1) (a) (2) (1) (c) Maximum design body material use "Flow to Seal" 2 to 7

Note: Higher pressure is recommended for certain designs in cooling service.

Flow & Works

 <p>Open Flow occurs normally over support seat with minimum resistance.</p>	 <p>Closing Flow automatically establishes flow of cushion with work of seat to cushion closing and make perfect sealing.</p>	 <p>Closed Flow easily seals. Full pressure is exerted by water on metal seat. Increasing pressure increases sealing efficiency.</p>
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Circle Seal Controls

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check valves