

200 Series 0 to 3000 psig Check Valves

H200 Series 0 to 6000 psig Check Valves



Features & Benefits

Quick opening/positive closing

- Provides a wide range of adaptability

Large flow capacity

- The patented sealing principle effects complete leakproof closing under all pressure conditions

Zero leakage

- Compact, easy installation. Efficient inline piston reduces size and weight

Floating o-ring

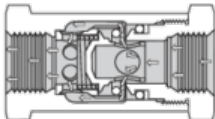
- The streamlined poppet and full ports offer minimum restriction to flow

Technical Data

Body Construction Materials	Aluminum, brass, steel, 303 or 316 stainless steel
O-ring Materials	Buna N, ethylene propylene, fluorosilicone, Kalrez [®] , neoprene, PTFE, and Viton [®]
Operating Pressure	200 Series: to 3000 psig (207 bar) H200 Series: to 6000 psig (414 bar)
Proof Pressure	1.5 times operating pressure
Rated Burst Pressure	200 Series: 2.5 : 1 H200 Series: 4 : 1
Cracking Pressure	0.1 to 25 psig (0.007 to 1.72 bar)
Temperature Range	-320° F to +550° F (-196° C to +288° C) Based on o-ring & body material, see "How to Order"
Connection Sizes	1/8" to 2"

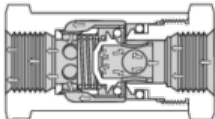
Note: Proper filtration is recommended to prevent damage to sealing surfaces.

How it Works



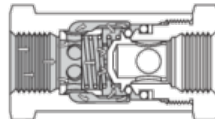
Open

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

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