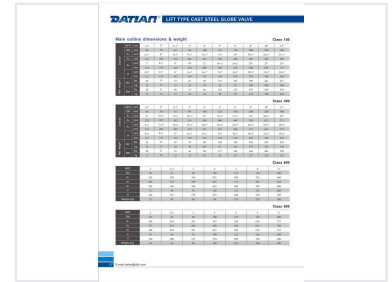
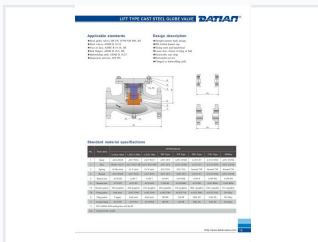


Lift Check Valve

Lift check valves, also known as piston check valves, are similar to globe valves but without the stem, allowing the disc to respond to flow rates. The disc moves linearly, guided by the body, and can include springs for added closure force.



ADDITIONAL IMAGES



Overview

Cast Steel Piston Check Valve

These cast steel piston check valves are engineered for demanding industrial environments, including oil, chemical, fertilizer, and municipal construction sectors. Featuring a seat seal surface overlaid with hardened alloy and a specially treated stem for superior strength and corrosion resistance, they ensure reliable performance. Designed for versatility, these valves accommodate various media such as water, steam, oil, and acids, offering a robust solution for backflow prevention.

Technical Specifications

Body Materials

Carbon Steel • Stainless Steel • Alloy Steel • Duplex Steel

Design Features

- Bolted cover
- Optional buffering damp structure
- Renewable or welded seat
- Flanged or buttwelding ends

Size Range

2" to 24" (DN50 to DN600)

Pressure Rating

ANSI 150lb, ANSI 300lb, ANSI 600lb, ANSI 1500lb

Compliance & Standards

Applicable Standards

Category	Standards
Design	BS 1868, ASME B16.34, API 6D, DIN2533
Face to Face	ASME B16.10, API 6D, EN 558, DIN 3202
End Flange	ASME B16.5, ASME B16.47, DIN2501, DIN2533
Inspection and Test	API 598, DIN3230

Material Composition

Standard Material Specifications

Part	Carbon Steel	Stainless Steel (316)
Body	A216 WCB	A351 CF8M
Disc	WCB+13Cr1	A351 CF8M
Bonnet	A216 WCB	A351 CF8M
Bonnet Bolt	A193 B7	A193 B8M