

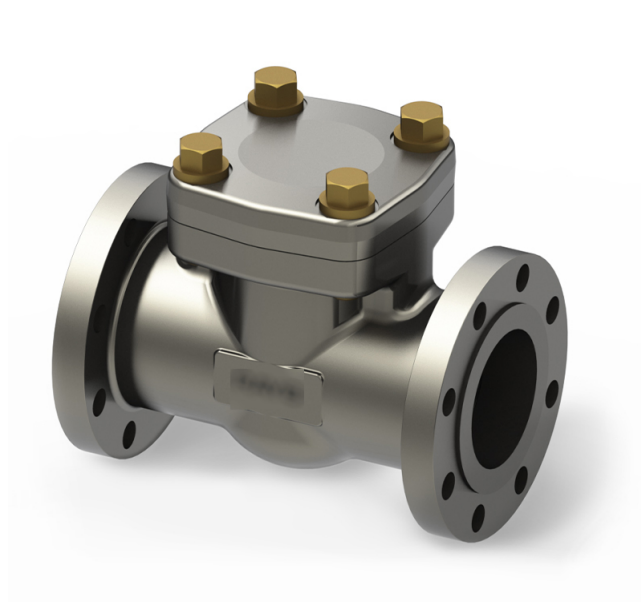
LIFT CHECK VALVE

# Forged Steel Lift Check Valve

REF **EFC-479** ISSUED 07 Jul 2026

## SPECIFICATIONS

Size	NPS 1/4" (DN6) to NPS 3" (DN80)
Pressure	CL150 (PN10) to CL2500 (PN420)
End connection	socket weld (ASME B16.11) / threaded (ASME B1.20.1) / flanged (ASME B16.5) / butt weld (ASME B16.25)
Face-to-face	ASME B16.10, GB/T 12221
Temperature	-196°C to 600°C
Media	tap water, sewage, petroleum, chemical media, natural gas, food products, pharmaceuticals, textiles process fluids, power generation fluids, metallurgical process fluids, energy system fluids



## ACTUATION

- manual

## STANDARDS

Design	API 602, BS 5352
Test	API 602, API 598, BS 5146

## APPLICATIONS

- Oil & gas
- Chemical industry
- Natural gas
- Power generation
- Metallurgy
- Papermaking
- Pharmaceuticals
- Water supply
- Construction pipelines

Install, operate and maintain in accordance with the manufacturer's manual supplied with the product.

## MATERIALS

Body	<b>carbon steel, stainless steel, alloy steel</b>	Bonnet	<b>carbon steel, stainless steel, alloy steel</b>
Sealing surfaces	<b>alloy steel (butt welded), hard alloy (butt welded)</b>		

## FEATURES

- Compact overall structure with small external dimensions and low weight, saving pipeline installation space
- Body and bonnet formed by forging, providing higher plasticity, toughness, and mechanical strength than cast steel equivalents
- Sealing surfaces of disc and seat made from alloy steel or hard alloy butt welding; heat-resistant, corrosion-resistant, and wear-resistant
- Disc opens under downstream media thrust and closes automatically under gravity and back-pressure; action described as sensitive and rapid
- Wide nominal pressure range: CL150 to CL2500 (PN10 to PN420)
- Wide working temperature range: -196 °C to +600 °C
- Multiple end connection options: socket weld, threaded, flanged, butt weld

## OPTIONS & NOTES

- The length of the riveted structure at the threaded end of the socket-welding connection shall comply with the factory standards.