

Forged Steel Check Valves



Forged Steel Check Valves

Falcon forged steel check Valves are compact in design, and are available in the pressure class range of 800 to 2500 and sizes ranging from 1/4" to 2" for various applications such as hydro carbon service, hydrogen service, cryo-application, sea water desalination projects and sour application (NACE MR-01.75)

Specification Chart

Product	Forged Steel Check Valves
Size Range	1/4" to 2"
Pressure Class	800 # to 3000#
Face to Face	Manufacturer's Standard
Testing	API 598/ BS 6755 / BS 12266 Part-1 / BS 6364

Salient Features

- Bolted body-bonnet design for Valves up to Class 800.
Valves with welded bonnet also available on request
- Screwed with seal-welded body-bonnet design for Valves of Class 1500
- Bolted body-bonnet joints provided with spiral-wound stainless steel gasket and graphite filler for maximum protection against leaks
- Die-formed graphite inner packing rings and braided graphite end rings with Inconel wire reinforcement and corrosion inhibitor
- Rolled ACME thread on stem for smooth operation
- Tapered shoulder on the stem for back seating
- Self-aligning type gland assembly with stud-and-nut tightening
- Integral hard-faced body seat for check Valves
- Spring-loaded disc on check Valves suitable for non horizontal applications too
- Austenitic SS forging for body and bonnet of Cryogenic Valves, resulting in excellent impact strength, minimal heat loss and resistance to corrosion
- Valves can be offered to NACE MR-0175 and other special NACE requirements
- Valves can be supplied with IBR certification

Cast Steel Check Valves



Cast steel Check Valves

Check Valves are used to prevent flow reversal in piping system.

Swing check Valves are suitable for horizontal and vertical application. Swing check Valves have low pressure drop and are best suited for moderate velocity applications.

Swing check Valves are supplied with lever and counter weight arrangements from sizes 14" and above for class 150, 300 and 600.

Dash pot arrangement can be provided on customer request.

Specification Chart

Product	Check Valves
Size Range	2" to 36"
Pressure Class	150 # to 2500#
Material	WCB, LCB, LC1, LC2, LC3, LCC, WC1, WC5, WC6, WC9, WCC, C5, C12, CF8, CF8M, CF3, CF3M, CG8M, CG3M, CN7M, CD4MCu, Alloy 20, Alloy 400, Alloy 625, Alloy 825, Duplex stainless steel, Super duplex stainless steel, Zirconium, Tantalum, SS904L, Hastelloy, Cupro Nickel, Monel, Inconel, Incoloy & Titanium
Design / Manufacturing Std	API 6D /BS 1868, ASME B 16.34
Face to Face	ASME B 16.10/ BSEN 558 PART 1/ API 6D
Ends	Flanged / Butt Weld
End Connection Std	ASME B 16.5/ ASME B 16.47 Series A & B, ASME B 16.25 / BS 4504
Testing	API 598/ BSEN 12266 Part 1/BS 6364 / API 607/API 6 FA
Body/Bonnet Joint	Bolted type and Pressure Seal type
Operation	Dash Pot, Dead weight arrangements.