



World Class Clampseal® Piston Check Valves

- *Exclusive Pressure Seal Bonnet*
- *Easy In-line Maintenance*
- *Lightest Weight in Class*
- *Highest Strength to Meet Code*



Conval Clampseal® Check Valves are designed for demanding high-pressure applications where light weight and compact size are required.



STANDARD SIZES

1/2" through 3"

Y, T, angle pattern

Stop Check Optional

SW, BW, FNPT (to 1"). Grayloc or Flanged

PRESSURE RATING

ASME 900 through 3500

STANDARD MATERIALS

A105, F22, F316, 316L

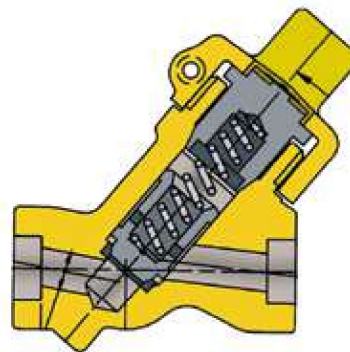
MonelTM 400, InconelTM 600, optional

DESIGN FEATURES

Clampseal Check Valves feature the exclusive pressure seal bonnet which permits ready access for maintenance, while ensuring a positive pressure-actuated body to bonnet seal under all operating conditions.

The valve is comprised of five assemblies, with the piston and spring being the only moving parts. The piston utilizes two guide rings, and the spring is Inconel X for smooth operation in any position at temperatures up to 1000°F.

The reliability of the Clampseal Check Valve is enhanced by use of the electron beam process for welding the cast stellite seat into the body. By using the inline maintenance tools available, long valve life can be assured.



Conval's policy is one of continuous development and improvement. Every effort is made to produce up-to-date literature but this catalog should not be regarded as an infallible guide to current specifications and does not form part of any contract. Conval reserves the right to make product improvements and changes without prior notice.

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The Conval Story

In 1962, Mr. Chester Siver completed designs for a revolutionary line of high-pressure, forged steel valves. Hamilton Standard (now UTC Aerospace Systems), a division of United Technologies Corporation, was asked to use their then-new Electron Beam Welding technology for joining of parts into valves for subassemblies. Hamilton Standard became intrigued with the valve as an ideal application of the Electron Beam Welding technique, and negotiated a contract for the rights to manufacture and sell the valve. Mr. Siver served as manager of the valve project.

The first CLAMPSEAL® valves were introduced to the market by Hamilton Standard in 1964. However, in the mid-1960's, growing demand for the firm's popular aerospace products forced Hamilton Standard to make the decision to abandon its industrial products. The rights to the CLAMPSEAL valve reverted back to Mr. Siver. Since CLAMPSEAL valves were born in Connecticut, Mr. Siver founded "Conval" (short for Connecticut Valve) in 1967. Today, the valves are still manufactured in Connecticut, a state with a longstanding reputation for technological innovation and manufacturing excellence.

Conval is a leader in valves for the world's most demanding applications. Our global team of experts can help to meet your most challenging needs. We invite you to contact us today.

High-pressure, high-temperature ball, bellows seal, check, gate, globe, throttling, and urea service valves for the world's most demanding applications.



Distributor in Vietnam

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Thank you for your business!

ISO 9001 certified since 1992

PED certified since 2003

Nuclear N-stamp since 2006

MADE IN



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