

Norval Non-Return Check Valve



Product Overview

The Norval check valve range is an industry standard for non-return valves. Most pipeline systems require some form of check valve device to maintain flow in one direction to prevent either contamination of liquids already in the system or damage to the pipework and its ancillary components. Quite a simple function you might think! Experience however tells us a different story.

Features that the piping engineer is looking for

- Tight shut off under minimum back pressure.
- Quick response to no-flow or reverse flow conditions.
- Low resistance to forward flow.
- Lightweight construction.
- Ease of installation with unskilled operators .
- No maintenance.
- It is a stop silent valve.
- It stops the reverse flow and is completely silent in its operation, preventing "water hammer".
- It is extremely simple.
- It operates in any direction, vertically up or down, or horizontal.
- High material specification - 316 stainless steel.
- Less noise due to slamming shut under reverse flow.
- Can be incorporated in a variety of body configurations or simply built into original equipment as a cone and diaphragm assembly.

Method of operation

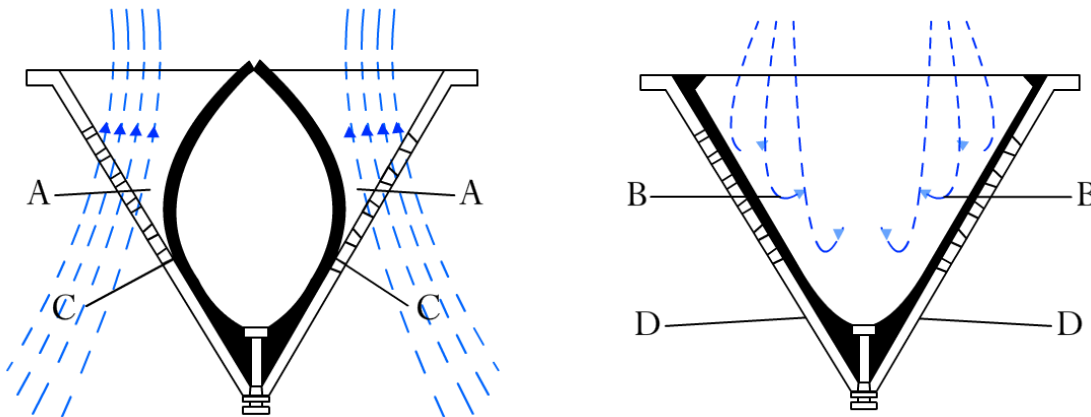
Flow takes place in the direction of the arrows under forward and reverse flow.

A - Check Valve Open

B - Check Valve Closed

C - Check Valve Diaphragm

D - Check Valve Cone



With flow in the forward direction the diaphragm deflects inwards (A) allowing easy passage of the liquid with little pressure loss. When a no flow, or back pressure, condition occurs the diaphragm returns to its relaxed position (B) sealing off all flow in the reverse direction.

This action is unaffected by the orientation of the Norval Non Return Check Valve.

Stop Silent is a registered trademark of Northvale Korting.

Products and Types

Check Valves
Non-Return
Anti-Slam Backflow Prevention
Diaphragm Valve
CIP Valve
Clean In Process
Large Size Check Valves
Foot Valve
Stainless Steel Check Valve
Marine Valve
Stop Silent
Strainers
Wafer Check Valves
Compact Valves
Swing Check
Disc Type

Applications

Air conditioning
Chemical production plants
CIP (Clean in Process)
Compressors
Cooling water systems
Filtration plants
Fire equipment
Food industry
Foot-operated valves
Ground water pumps
Heating systems
Hydrants
Irrigation plants
Petrochemical installations
Pneumatic systems
Pressure air installations
Pumping applications
Sanitary facilities
Ventilation systems
Washing machines
Water gauge installation
Water meters & flow meters

Water treatment