



STOP CUM CHECK VALVES
210P CUM CHECK VALVES



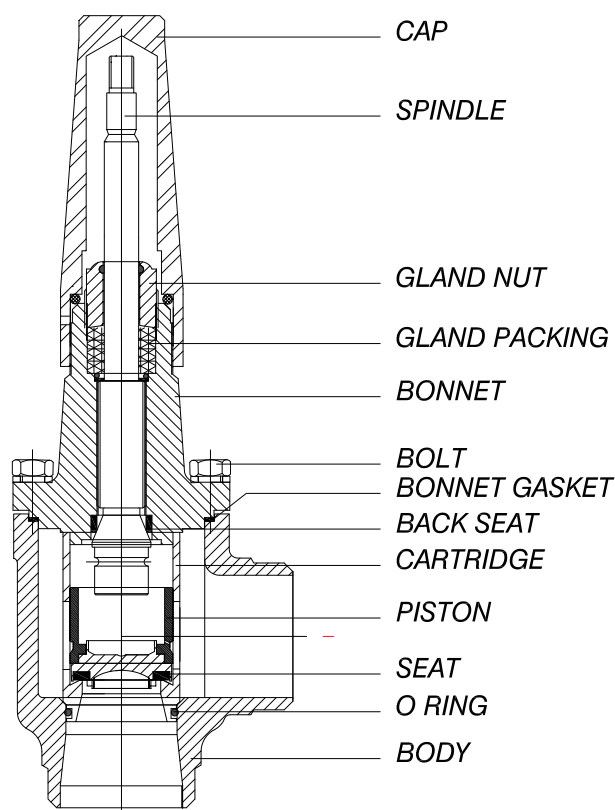
SUPERFREEZE

STOP CUM CHECK VALVES

TYPE : WSCK2
PORT SIZE : 1/2" Thru 8" (15mm -200mm) Angle
CONNECTION : Butt weld, Socket weld (½" thru 2")

REFRIGERANT

Suitable for all common refrigerant including R-717 (Ammonia), R-13 a, R-404, neutral, gaseous and liquid media.



INTRODUCTION

These well -designed and constructed low pressure drop refrigerant stop cum check valve are butt - weldable directly to steel piping, thereby eliminating potential leaky flanges or threaded joints, and simplifying installation. The important features of these valves is non leak packing and back seat design. In valve open condition, if inlet pressure drops below outlet pressure, the valve acts as check valve and do not allow reverse flow of liquid.

This is the combination of stop valve and spring loaded normally closed check valve. In the direction of arrow, when media enters the valve, the valve seat opens completely. In case of reverse flow, the valve closes immediately. The Teflon seat ensure no -leak seal. The body is of carbon -steel suitable for low temperature service and butt weld end facilitate ease of directly welding it to pipe line.

This valve is particularly indispensable where space is a constrain.



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APPLICATIONS

These valves are useful in refrigeration liquid suction and gas line. Instead of using two separate stop and check valve this one valve is used. It save space, reduce joints and economical. Problem of liquid trap between stop valve and check valve is eliminated. It is suited for liquid pump & compressor discharge. Pressure drop is minimized.

SPECIFICATION

Body	: ASTM A-216 Grade WCB, ASTM A-352 Grade LCC, ASTM A-105
Stem	: Stainless/ forged steel Zn. Plated.
Disc holder	: Steel (stainless/ Zn. Plated).
Seat Disc	: PTFE Teflon.
Packing Nut	: Steel
Stem Packing	: Neoprene "O" Rings with graphite gland packing.
Seal Cap	: Steel, vented.
Hand Wheel	: Steel / Iron Alloy
Safe working pressure: 365 psig (25bar).	
Temperature range	: -46°C to +116°C (-50F to +240F).

FEATURES

- Back Seating and gland packing : The heart of SUPERFREEZE stop cum check valve is the Patented stempacking and backseat design. This Patented design is used exclusively on SUPERFREEZE valves and virtually eliminate stem leakage
- Size Range : ½" to 8" (15mm - 200mm)
- Light weight : Ease of installation
- Flow : Uni direction . It act as check valve in case of reverse flow.
- Available in both wheel & vented cap option
- Available in angle and straight types



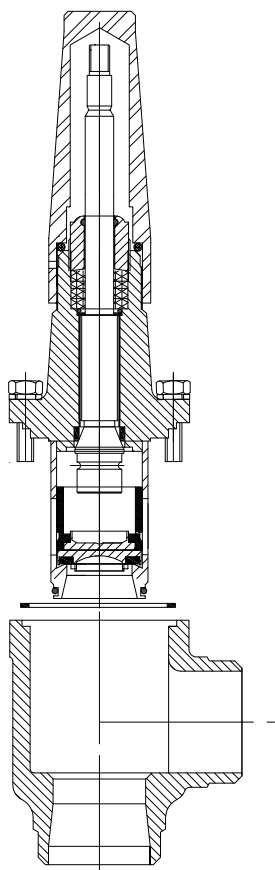
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INSTALLATION

All of these valves may be installed in horizontal pipe lines. Stems has to be vertical or angled upward.

A valve should preferably have its bonnet/stem/seat disc assembly removed before welding. This protects Teflon seat disc from welding sparks, and facilitates cleaning of welding debris from body interior prior to valve Assembling. The valve stem should be several turns open when removing and replacing the bonnet assembly. The Teflon seat disc should be protected when outside of the valve.

WELDING PROCEDURE FOR - STOP CUM CHECK VALVE



Before welding the valve in the line, kindly remove the bonnet assembling as shown in the figure above.

After welding, clean the valve seat area of any welding fluxes and then retighten the bonnet assembly making sure the gasket is properly fixed.

SUPERFREEZE INDIA (P) LTD

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