



Made in
U.S.A.



SCV Stainless Steel Weld In-Line Check Valves



SCV-150-SW; 1-1/2" SCV (Socket Weld)

DESCRIPTION

The HANTEMP Controls Stainless Steel SCV Weld In-Line Check Valve is compact and built for longevity. Ideally suited for refrigerant directional flow applications, the valve remains in an open position as flow moves in the direction of the arrow on the valve's body. The valve closes promptly when reverse pressure occurs. The valve can be welded directly in-line for a Schedule 40 (standard) or Schedule 10 pipe connection. Each SCV Check Valve bears a traceable heat number and a material certificate is available upon request.

SCV AVAILABLE END CONNECTIONS

Connection Type	Available Sizes
Socket Weld	1/2", 3/4", 1", 1 1/4", 1 1/2", 2"
Butt Weld (Sched 10 & 40)	1", 1 1/4", 1 1/2", 2"
ODS	Contact Factory

WELD IN-LINE CHECK VALVES FOR INDUSTRIAL REFRIGERATION 1/2" to 2"

- Ideal for packaged units, evaporator defrost control, and receiver pressure winter control
- Stainless steel body, spring, and seat
- No flanges, gaskets, or o-rings

MATERIALS & SPECIFICATIONS

Body: Stainless Steel (304L)

Seating and Spring: Stainless Steel

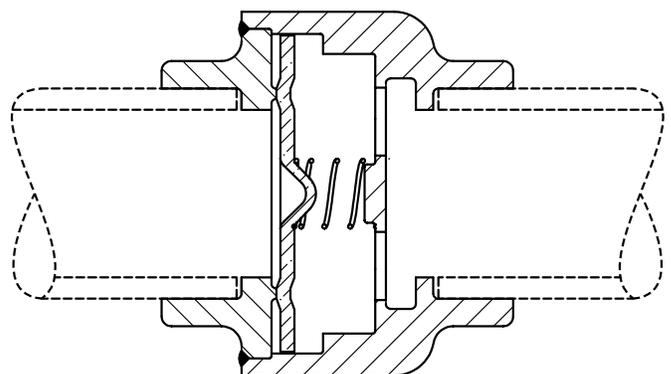
Nominal Size: 1" and 2"

Safe Working Pressure: 2000 psig

FEATURES:

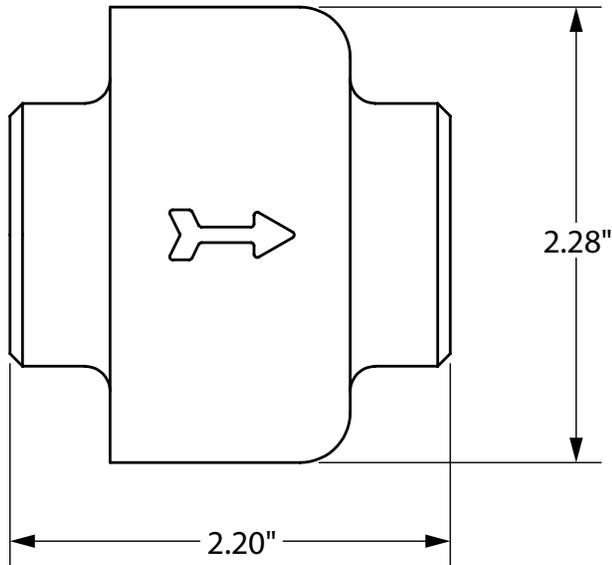
- For NH₃, CO₂, and nearly all industrial refrigerants
- Requires no flanges, O-rings, or gaskets
- Durable all stainless steel construction
- Low pressure drop (1 psid for full open)
- Lapped stainless to stainless seating
- Installs vertically or horizontally
- Compact and rugged design
- Easily insulated

SCV CHECK VALVE CROSS SECTION

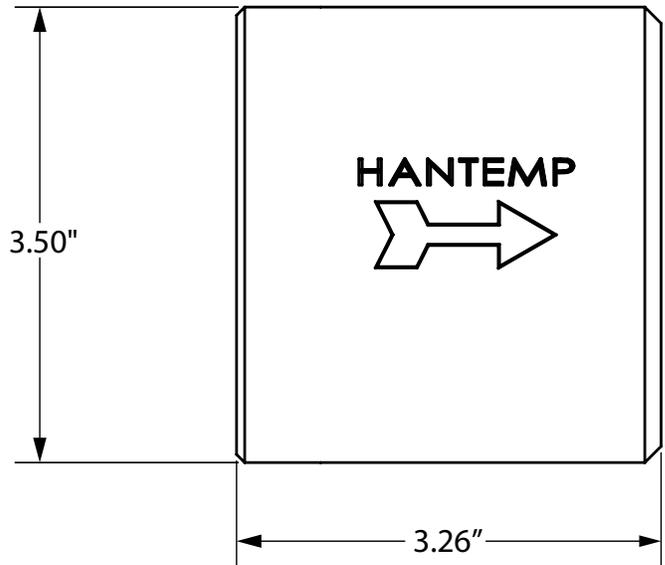


1" Valve w/ Socket Weld Connection Shown

SCV CHECK VALVE INSTALLATION DIMENSIONS



1" Valve w/ Butt Weld Connection Shown



2" Valve w/ Socket Weld Connection Shown

INSTALLATION

The SCV Check Valve is designed for welding directly in-line via socket weld or butt weld end connections. Valves should be installed with the directional flow arrow matching the direction of refrigerant flow. Prior to & during welding process, keep dirt from entering the valve. When used with valves, check valves should be installed on the outlet side of the valve including system pressure regulators, solenoid valves and control valves.

SAFETY WARNING

The valve should be serviced only by an experienced refrigeration professional. Appropriate Personal Protective Equipment (PPE) should be worn during installation, and service. Before servicing, the valve should be isolated from the system and all refrigerant evacuated from the piping. There are no removable parts, seals, or replacement components. In the event of malfunction, the SCV should be replaced. SCV check valves are not recommended for reciprocating compressor discharge, screw compressor side-port, or applications with pulsating loads.

SIZING

Check valve sizing is generally determined based on the line size. The SCV Check Valve is available in 1/2" through 2" pipe sizes. The standard connection is socket weld (SW). Butt weld (BW) is also available, machined for schedule 40 pipe; schedule 10 is available upon request. Valve sizing assistance is available via the HANTEMP Controls factory.

DISCLAIMER

HANTEMP Controls reserves the right to alter product design, materials, and specifications without notice, as necessary.

WARRANTY

All HANTEMP Controls products are warranted against defects in workmanship and materials for a period of one year (90 days for electronics) from date of shipment from the factory. This warranty period is applicable only when products are properly applied, installed, operated, and serviced as specifically stated in HANTEMP Controls product bulletins unless otherwise approved in writing. Field labor and travel expenses are not warranty included.



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