HANTEMP Controls

Bulletin QSV0915b

QSV Stainless Steel Quarter-turn Service Valves

U.S. Patent # 9,518,665

Made in U.S.A.

QSV Quarter-turn Service VALVE
Shut-Off or Expansion Valves
3/4" to 2½" SW & BW*
(contact factory for other connections; ODS etc.)
STAINLESS STEEL

DESCRIPTION & APPLICATIONS

The **stainless steel** QSV Quarter-turn Service Valve is an ideal isolation valve. It can be close coupled to flanged COBRA-NECK® Ball Valves, flanged control valves from HANTEMP, Hansen or Parker R/S, for shut-off valve use, or included with HANTEMP RR Flexible Stations (RR = Repair or Replace). Additional applications include service valve/union combination, isolation of float switches and liquid level columns. Supplied as an inlet/outlet pair for RR platform permitting station repair or removal without system main valving. **QSVE version has a teardrop-port for liquid expansion or overfeed control.**

Sizes available for ¾" through 2½"* weld connection on one end and flange connection on the other. Stem packing is located at the top of the neck, above insulation and frost.

MATERIALS & SPECIFICATIONS

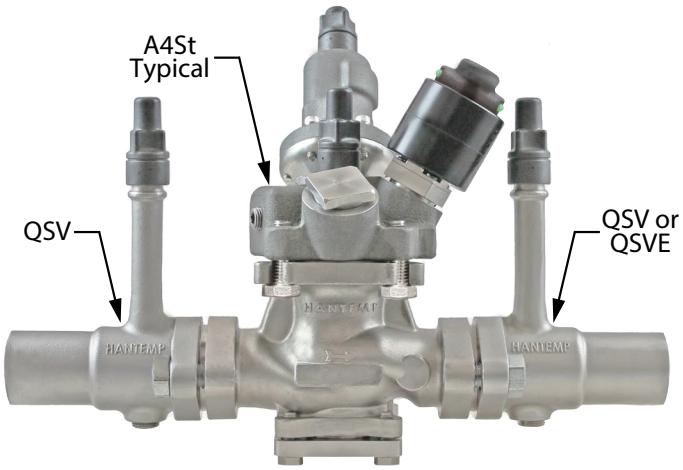
Body: Stainless Steel

Internal Parts: Stainless Steel

Safe Working Pressure: 800 psig

Operating Fluid Temperature:
-70°F to +240°F

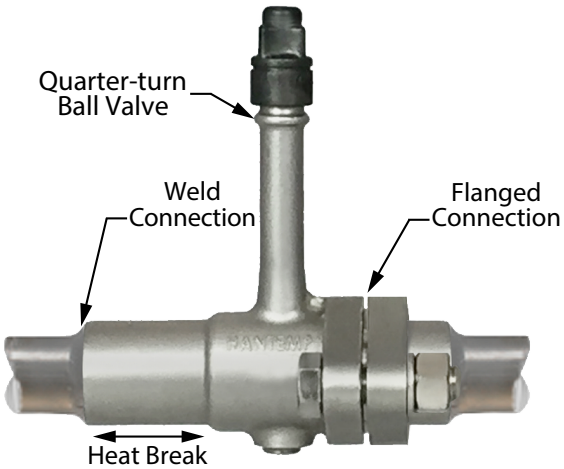
Approved Refrigerants Include:
R717 (NH3), Glycols, Water, Heat Transfer Fluids, Subcritical CO_2 and other approved refrigerants



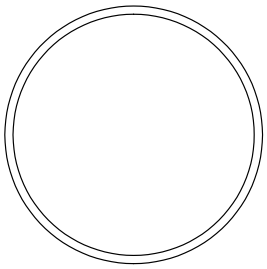
Stainless Steel RR Flexible Station Weldable Platform Assembly

FEATURES:

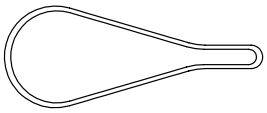
- Valve open to close via 90° (stem-stops) rotation
- Can be welded without being disassembled
- Spring loaded back seat for servicing stem seals
- Assembled RR station installs as a unit
- Can serve as a flanged union with shut-off
- Available stainless steel companion flange
- Hydrostatic expansion protected
- Expansion Valve Available (Model: QSVE)



Stainless Steel QSV 1" SW w/ Flange

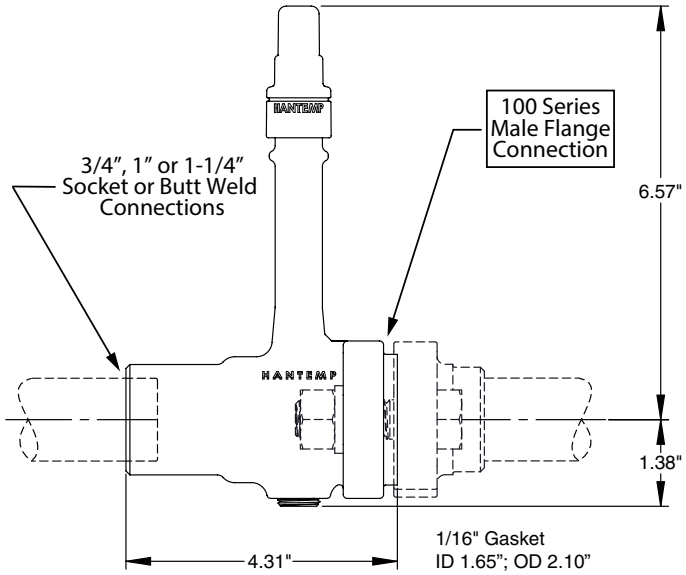


Full Port

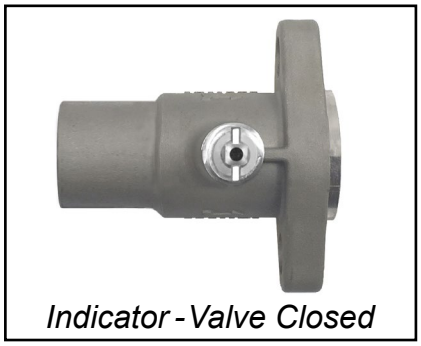


Liquid Expansion (QSVE)

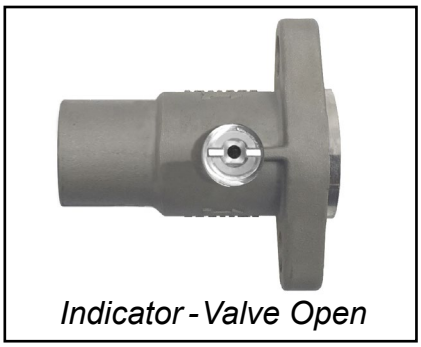
INSTALLATION DIMENSIONS



¾" to 1¼" Pipe Sizes Shown



Indicator - Valve Closed



Indicator - Valve Open

SIZING

Quarter-turn Service Valve size is generally same as pipe size. The QSV Quarter-turn Service Valve is available in ¾" - 1¼" (2 bolt oval) & 1½" - 2½" (4 bolt square)* pipe connections.

ORDERING INFO

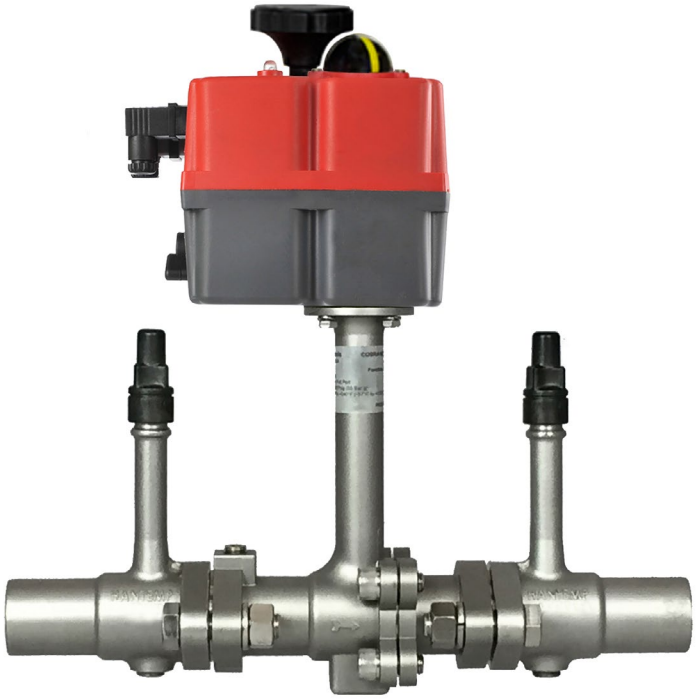
Specify size and connection type (socket or butt weld; contact factory for ODS). Order separate optional companion flange with stainless steel nuts & bolts and a gasket. For **expansion QSVE**, provide tons and system details. Butt weld orders are supplied with Schedule 40 pipe connections; Schedule 10 available upon request.

PRECAUTIONS

The valves should only be installed, maintained, and serviced by qualified and experienced refrigeration professionals. Before servicing a valve, it should be isolated from the system and all refrigerant evacuated from the piping. Eyes and lungs are at high risk.

The protective packaging should not be removed until ready for installation to avoid jobsite dirt or damage. Prior to & during welding process, keep dirt from entering the valve.

All HANTEMP Controls products, except electric motors and electric items, are warrantied against defects in workmanship and materials for a period of one year from date of shipment from the factory. This warranty is applicable only when products are properly installed and operated in conventional use and service unless an application is approved in writing by HANTEMP Controls.



1" QSV Valves Isolating a COBRA-NECK® Stainless Steel Controlled Ball Valve

HANTEMP Controls

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** 1½" to 2½" coming soon*

HANTEMP Controls reserves the right to alter product specifications, materials, and pricing without notice.