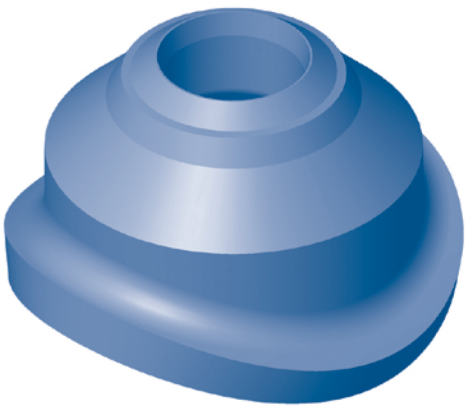
Safety Relief Valve Vesselet®

Overview



Safety Relief Valve Vesselets®
Special support nozzle designed to reduce flow induced vibrations. Engineered for temperature, pressure and flow conditions. Also considers fatigue and is designed to accommodated stresses induced from opening and closing of the valve and seismic conditions.

Designed by WFI utilizing proven technology from ASME, WRC and SwRI.

A safety relief valve requires more from its attachment nozzle than pressure/temperature protection.

WFI's Safety Relief Valve Vesselt® (SRVV) adds protection for:

- Flow induced vibration
- Seismic loads
- Reaction forces
- Premature Seat failure

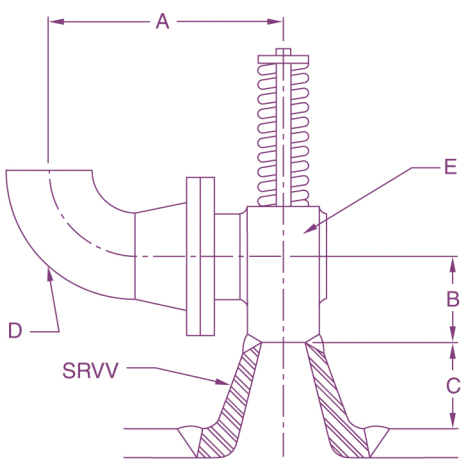
FILL OUT THE INFORMATION BELOW AND RETURN TO WFI FOR A QUOTE:

Process	Fill in below
Line Size/Wall Thickness	
Steam Flow (lbs/hr)	
Steam Pressure	
Steam Temperature	
Material	
Line Material	
SRVV Material	
Valve	
Weight	
Set Pressure	
Rated Capacity (lbs/hr)	
Inlet ID	
Weld Prep (if required)	
Outlet ID	

In order to do seismic analysis, WFI needs either the seismic acceleration or Universal Building Code Zone.

In order to analyze the reaction forces, WFI needs a sketch of your layout or the dimensions listed on the typical layout sketch (Figure 1).

Figure 1



A Offset of Discharge Elbow (24" Default) _____

B Height of Seat _____

DEFAULTS	
Outlet Nom. Size	Height Used
3"	6"
4"	8"
6"	8"
8"	10"

C Max, Min, or WFI Optimizes _____

D Elbow Schedule (S/40 Default) _____

E Valve Lift Time (from Valve Mfg. .04 sec. Default) _____

Note: Default Valves are used when none are given to complete the analysis

SRVV Designed for Vibration Control plus Pressure/Temperature and Fatigue Endurance