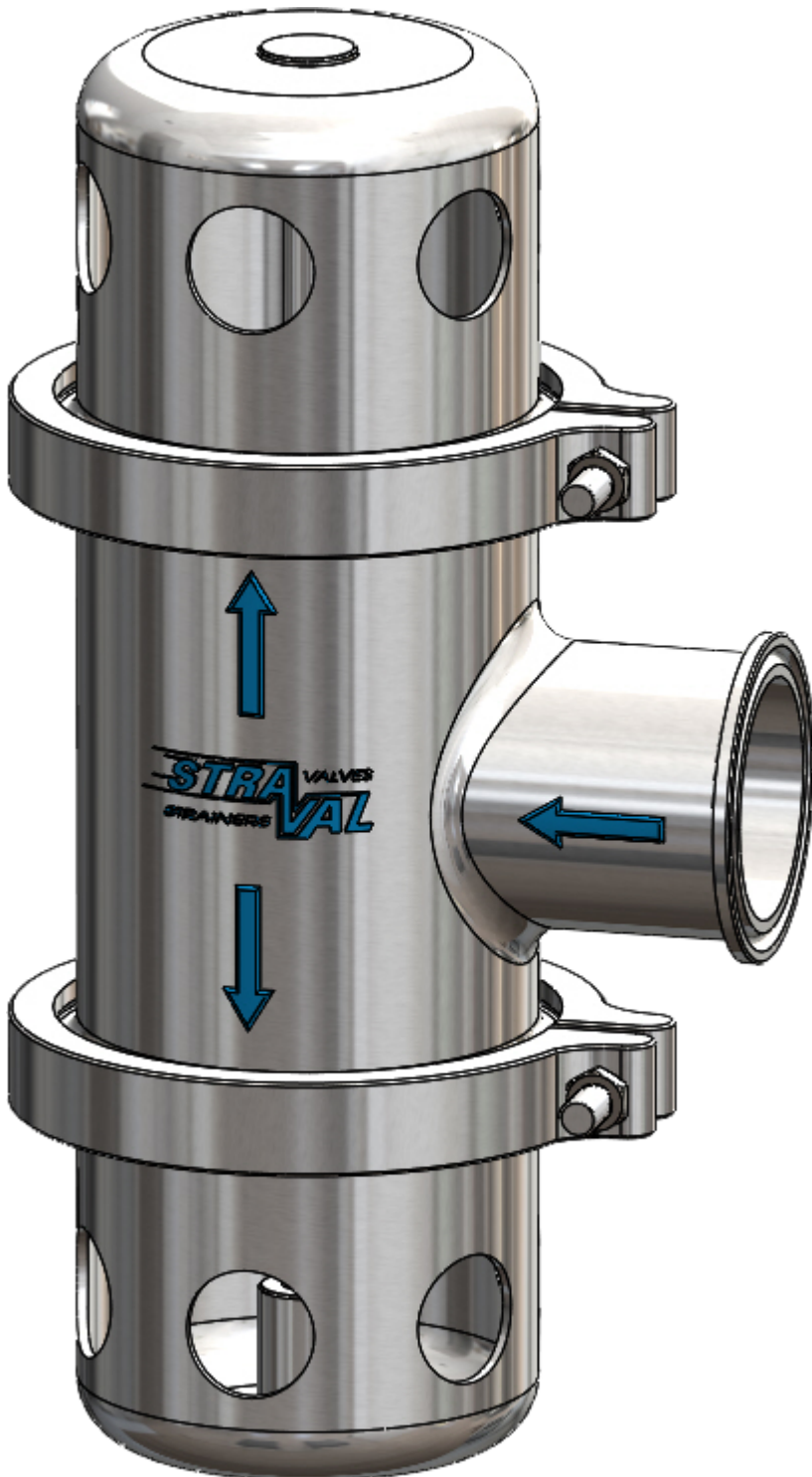


Model VRV20-TC

Sanitary Vacuum Braker | Vacuum Relief Valve



- All Stainless Steel standard.
- 1", 1 1/2", and 2" Sanitary Tri-clamp
- Opening pressures factory set to <2 PSIG. Relief Function, Vacuum set opening <4" Hg.

Features

- **Body:** Standard material is 316 Stainless Steel
- **Piston:** 316 Stainless Steel
- **Spring:** 316 Stainless Steel
- **Lock nut:** 316 Stainless Steel
- **Elastomeric seal:** Bubble-tight seal is achieved with soft elastomers such as Buna, Viton, and, to a lesser degree with the harder seal material, Teflon (PTFE) .
- **Tamper-proof construction-**This valve is not externally adjustable & requires removal of the internal spring to change the pressure setting after the system is depressurized.

Applications

This is an In-Line poppet type vacuum relief valve, allowing flow to pass from tank to atmosphere. Observe the maximum working pressure listed for each model. Select seat materials from pricing pages.

To make sure the valves are protected from dirt and debris which might clog the valve.

Options

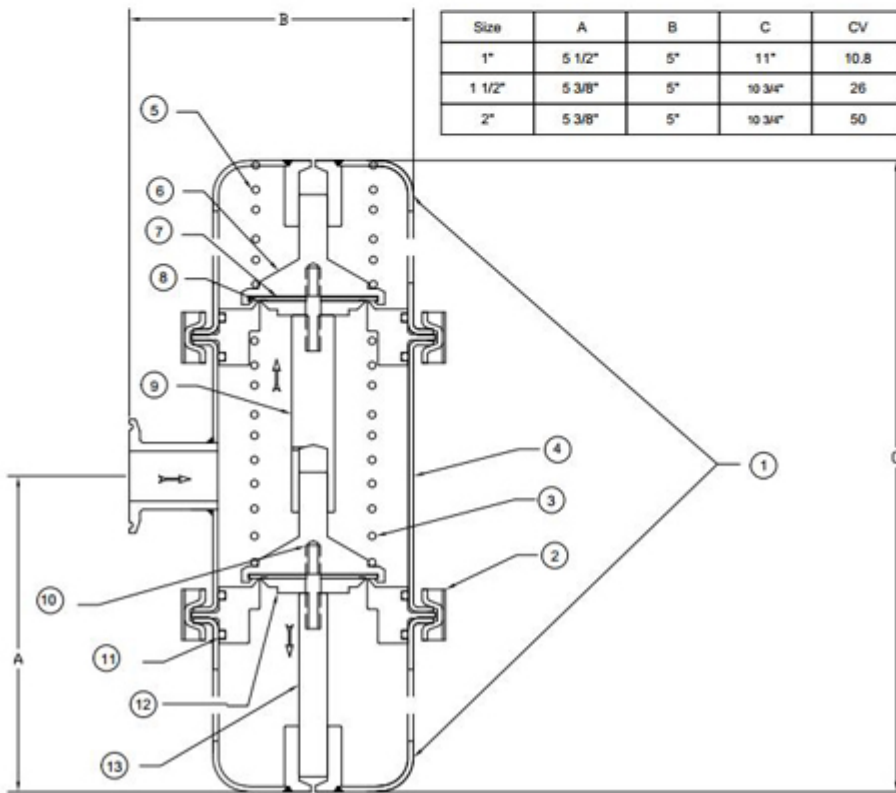
Scroll down below to click on a valve size for pricing and then click on the spring range to see which options are available for that size. After selecting your options you may then print out a price, e-mail it (without having to contact the factory), and then when you are ready, proceed to order.

When ordering don't forget to state your desired relief set pressure.

Principle of Operation

This is a poppet (piston) and spring type relief valve where the springs constantly oppose the pressure acting against the pistons which seal off the internal seats. The desired set pressure or relief is achieved by compressing the spring until the spring force is adequate to balance the pressure force acting against the poppet.

| # | Item | Material | QTY |
|----|--------------------|--------------------------------|-----|
| 1 | Spring Chamber | SS | 2 |
| 2 | V-Band Clamp | SS | 2 |
| 3 | Spring | SS | 1 |
| 4 | Sanitary Body | SS | 1 |
| 5 | Spring | SS | 1 |
| 6 | Seat Holder (Cap) | SS | 2 |
| 7 | Gasket | Viton, Buna, EPDM, Telon, etc. | 2 |
| 8 | Seat | SS | 2 |
| 9 | Middle Guide Screw | SS | 1 |
| 10 | Screw | SS | 2 |
| 11 | O-Ring | Viton, Buna, EPDM, Telon, etc. | 4 |
| 12 | Seat Holder (Base) | SS | 2 |
| 13 | Bottom Guide Screw | SS | 1 |



VRV-TC

The flow arrow above is shown in the normal flow position

When flow reverses, the valve closes

Dimensions

Note: Dimensions are approximate and are subject to change without notice. Request certified dimensions before final product installation.

1" VRV20-10TC

Pressure Group 1.5-2 PSIG (0.103-.138 BARG)

Multiple Spring Ranges from:1.5- psig (0.103- barg) Select spring from pricing page

1 1/2" VRV20-15TC

Pressure Group 1.5-2 PSIG (0.103-.138 BARG)

Multiple Spring Ranges from:1.5- psig (0.103- barg) Select spring from pricing page

2" VRV20-20TC

Pressure Group 1.5-2 PSIG (0.103-.138 BARG)

Multiple Spring Ranges from:1.5- psig (0.103- barg) Select spring from pricing page

The spring ranges listed above are not achievable with one spring, but are compressed to show overall product capability. Select a specific spring range in the pricing pages or specify a set pressure when ordering.