

# E3710 Sanitary Pressure Relief Valves

**Sanitary Pressure Relief Valves (PRV)** are used to bypass fluids in a plumbing system where a positive displacement pump is present. In a deadhead scenario, without a pressure relief valve in place, the fluid will continue to build pressure until the system weak point is reached which will result in system failure (i.e. blown valve, fitting, etc.). **PRVs** allow the positive displacement pump (i.e. rotary lobe, gear, piston) to continue pumping and alleviate pressure spikes of both gas and liquids. These **PRVs**, from *Dixon Sanitary*, are 3-A Certified for clean-out-of-place (COP). Commonly used in food processing, beverage, dairy, winery, brewery, pet products, pharmaceuticals, and other industrial applications. Available in either L-style or T-style orientation. T-style is standard. Available in 1-1/2" and 2" Tri-Clamp Connections.

## Features:

- Valve opens when the set pressure is reached to prevent pressure spikes
- Valve body made from solid bar stock (316L Stainless Steel)
- Low spare parts/repair costs
- 3-A Certified for Clean-out-of-place (COP)

## Materials:

- Wetted Contact Surface Area: 316L Stainless Steel
- Non-Wetted Contact Surface Area: 304 Stainless Steel
- Available Elastomers: EPDM or FKM (Viton®)

## Specifications:

- Tri-Clamp Connections
- Valve Set Pressure Range Options
  - 10-49 PSI
  - 50-99 PSI
  - 100-300 PSI
- Max Operating Fluid Temperature: 266°F
- Max Sterilization Temperature (20 min max): 300°F
- Surface Finish:
  - Wetted Contact Surface: < 32 Ra
  - Non-wetted Contact Surface: > 32 Ra

| Part No.     | Tri-Clamp Connection | Pressure Setting | Seals | Body Style |
|--------------|----------------------|------------------|-------|------------|
| DS PRV-112EB | 1-1/2"               | 50-99 PSI        | EPDM  | T          |
| DS PRV-2EB   | 2"                   | 50-99 PSI        | EPDM  | T          |
| DS PRV-112VB | 1-1/2"               | 50-99 PSI        | FKM   | T          |
| DS PRV-2VB   | 2"                   | 50-99 PSI        | FKM   | T          |

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## Single Seat Valves

**Sanitary Single Seat Valves (SSV)** are the only control valve that is 3-A certified. The **SSV Series** from *Dixon Sanitary* is available in a variety of configurations based upon required flow path. These single seat valves can be actuated in several manners: manually, pneumatic spring return (air to raise or air to close), and pneumatic double acting. These valves can also be fitted with proximity switches to allow for remote monitoring. The plunger style seat minimizes the chance of residual buildup. Additionally, the **SSV Series** is usable in clean-in-place (CIP) applications. These Single Seat Valves are found in food processing, beverage, dairy, pharmaceuticals, winery, brewery, and pet product applications.

## Features:

- Available with pneumatic actuator or manual handle
- Burkert™ control top model numbers 8691 & 8692 are available
- Sizes from 1" to 4"
- Tri-Clamp Connections



TT-Body pneumatically controlled configurations shown

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