Individual Solutions

Type D640

Mix Proof Tank Outlet Valve

Use where the tank/vessel outlet requires mix proof protection. Seal failures are visible and can be detected without harming the product.

- Secure separation of the media through independent working valve stem(s) with one seat seal in each
- Leakage space between valve stems directs leakages to the atmosphere
- Cleaning of the leakage space via seat lifting of the lower valve stem during CIP

Type D660

Mix Proof Valve for CIP Areas

The cleaning of the leakage space is accomplished with a compression seat seal, which through the valve opening and closing, guarantees that the leakage space is flushed in every actuation of the valve. Seal failures are visible and can be detected without harming the product.

- Secure separation of the media through independent working valve stems with one seat seal in each
- Leakage space between valve stems directs leakages to the atmosphere
- Leakage space is cleaned when valve cycles open and closed

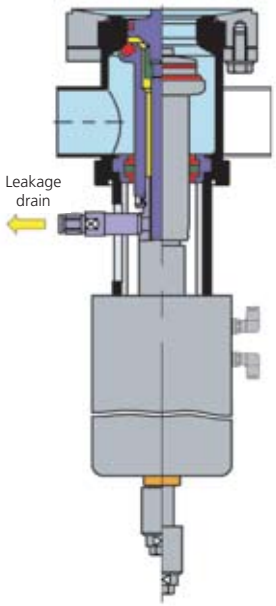
Type D650/657

Mix Proof Valves for Ring Circuit

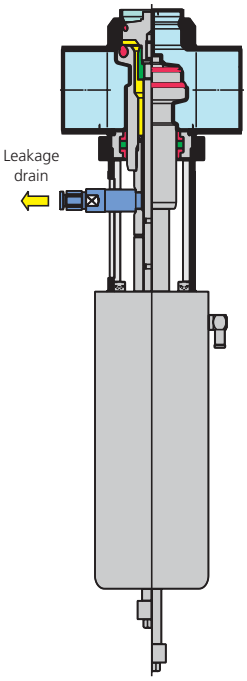
These Mix Proof Valves are traditionally used to secure gas/CIP lines. However, since the use of these valves allow the circular pipeline to be cleaned with a pig, this enables a wide range of process options.

- Secure separation of the media through independent working valve stems with one seat seal in each
- Leakage space between valve stems directs leakages to the atmosphere
- Cleaning of the leakage space via seat lifting of the lower valve stem during CIP

D640



D660



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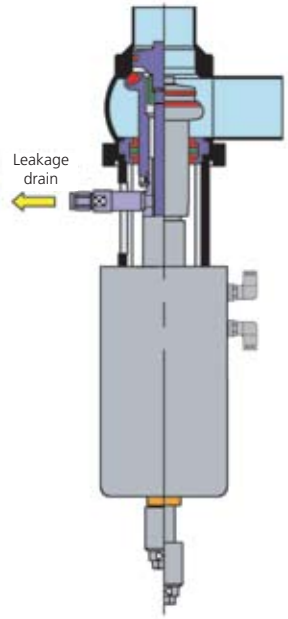

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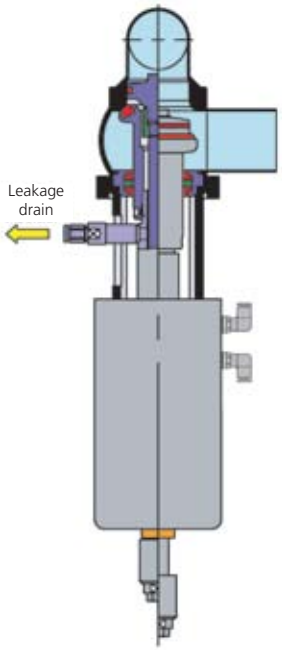

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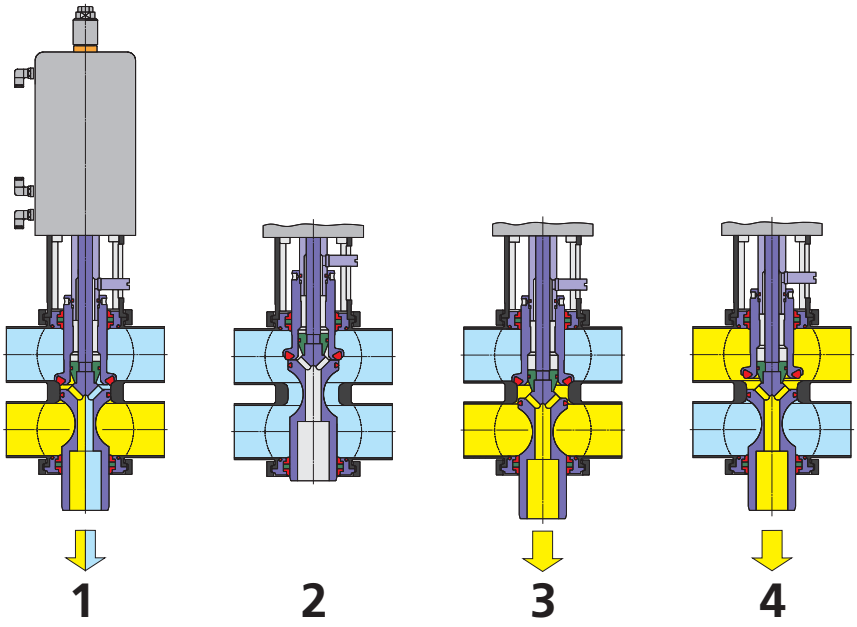
Functions

Type D620



1. Valve in "Closed" position

- Incompatible media is separated by two seals with the leakage space between open to the atmosphere
- Any leakage due to loss of seal integrity is discharged to atmosphere via leakage space

2. Valve in "Open" position

- Lower stem rises, seals leakage space between stems and continues to the fully open position
- There is no discharge of product during opening as the leakage space is secured by a radial seat stem on the lower stem

3. Cleaning of lower seat seal during CIP

- Lower stem extends a pre-determined distance to allow cleaning fluid past seat seal and into the leakage space
- Cleaning fluid flows past the seat to the atmosphere and thereby cleans the seal, the mating seat and leakage space
- Any leakage due to loss of seal integrity on upper seat seal is discharged to the atmosphere via the leakage space

4. Cleaning of upper seat seal during CIP

- Upper stem raises a pre-determined distance to allow cleaning fluid past seat seal and into the leakage space
- Cleaning fluid flows past the seat to the atmosphere and thereby cleans the seal, the mating seat and leakage space
- Any leakage due to loss of seal integrity or lower seat seal is discharged to the atmosphere via the leakage space

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