APV
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DELTA DSV

The DELTA DSV mix proof butterfly valve range from APV combines all the advantages of the simplicity of a butterfly valve with the sophisticated mix proof technology of valves. For applications, which do not require the features of double seat valves, the DELTA DSV stands out as a cost efficient alternative.

Characteristics

The DELTA DSV is designed for CIP applications within dairy, brewery, and food industries, but it also serves the needs of the pharmaceutical and chemical industries.

The actuator is fully welded and maintenance-free with a five-year APV guarantee. It can be supplied with a spring/air or air/air function. The actuator can be equipped with the wide range of APV DELTA CU control units.



Application Range

The DELTA DSV valve is ideal for installation into any process plant where safe separation from CIP fluid must be ensured. Any leakage that might occur is safely drained off through the leakage chamber.



Features and Benefits

- Safe separation of opposed media
- Leakage due to seal wear can immediately be recognized
- Easy change of seal
- CIP connection to clean the leakage chamber
- Steam sterilization of the leakage chamber

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Control Units

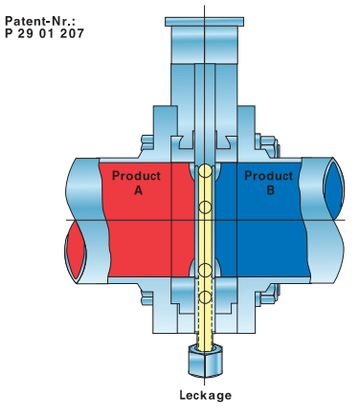
The DELTA DSV is available with a comprehensive range of DELTA CU control units. The DELTA CU is electrically provided to connect directly to a PLC system (DELTA CU Direct Connect). Optional to support fieldbus protocols like AS-interface, ProfiBus and DeviceNet.

Operation

The DELTA DSV opens and closes by means of a 90 degrees turning actuator. In the closed position the valve flap with the double sealing system ensures leakage proof separation of incompatible media. Any leakage at the seals will cause a flow through the pressure free leakage chamber out into the open. For demanding applications we recommend a flush cleaning of the leakage chamber.

Options

- Manual actuation
- Proximity switches for valve position indication



The combination of a double sealing system and a pressure free leakage chamber ensures separation of incompatible fluids.

Technical Data

Sizes	DN50 - LN125 and 3”
Product-wetted parts	1.4404 and 1.4408
Non product-wetted parts	1.4401
Seal materials	EPDM or HNBR
Max. temperature	Short term 140°C
Max. operating pressure	10 bar, except DN125 6 bar
Min. control air pressure	DN50 - DN125 and 3” DN80 - DN125 / 3”: 6 bar
Max. control air pressure	10 bar

APV, An SPX Brand
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For more information about our worldwide locations, approvals, certifications, and local representatives, please visit www.apv.com.

SPX Corporation reserves the right to incorporate our latest design and material changes without notice or obligation.

Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing.

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