



DELTA SWmini4

1/2", 3/4", 1"

With more than 50 years of experience in valve production, APV now offers its customers an enhanced size assortment to our modern and highly versatile DELTA SWmini4 hygienic, single seat valve line. By introducing sizes 1/2", 3/4" and 1" (DN10, DN15 and DN20), we complete the comprehensive range from 1/2" to 6" (DN10 to DN150).

Installing the DELTA SWmini4 valves is an investment in efficiency, production flexibility or in other words: in the future. When designing this valve great emphasis has been put on facilitating valve handling, installation and maintenance.

Characteristics

Its hygienic design makes it ideal for applications in the dairy, beverage and brewing industries, as well as the chemical and pharmaceutical industries. The valve is 3A certified and EHEDG approved. As our standard valve, the valve is available in on/off and change-over versions.

Features & benefits

Sturdy ball shaped housing designed for optimum cleanability.

The extra wall thickness of the valve housing minimizes stresses in the seat area. At the same time the ball shaped housing effectively prevents sump or dome, thus optimizing valve cleanability and reducing CIP-time. A comprehensive range of valve housings are available to cover any requests.

Controlled compression of seat seal

The metallic stop ensures defined compression of seat area and minimizes stress and load on seat seals, which in the long run minimizes downtime. Furthermore, this arrangement ensures smooth product transition in this area. Wear resistant elastomer/PTFE shaft seal and shaft bearing arrangement increases seal lifetime and consequently minimizes maintenance costs and general downtime.



Installation and maintenance convenience

- Bolts between housing and yoke provides quick and easy access to product-wetted parts, and housings may be orientated in various directions to ensure multiple installation possibilities.
- Moulded elastomer profile seals with clear markings ensure prompt and fail safe identification of seals during maintenance.
- Only one hexagonal nut outside the product area ensures quick and easy service of the valve.
- Actuator design prepared for NC/NO.
- Despite the thick-walled housing the valve is very low weight.
- Maintenance-free actuator, covered by the 5-year APV guarantee.

Control Units

The DELTA SWmini4 valves can be delivered with a comprehensive range of DELTA CU control units. The DELTA CU are electrically provided to connect directly to a PLC system (DELTA CU Direct connect). Optional to support fieldbus protocols like AS-i, Profibus and DeviceNet.

Options

In order to handle every inquiry the following options are available:

- Crank handle for manual operation
- Proximity holder

Technical Data

Sizes	1/2", 3/4" and 1" (DN10, DN15 and DN20)
Product wetted parts	AISI 316L
Non-product wetted parts	AISI 304
Seal materials	Standard EPDM/PTFE Optional VMQ, FPM and HNBR
Max. temperature	EPDM / HNBR 275°F / 135°C (short time 284°F / 140°C) VMQ 275°F / 135°C not to be used for hot water FPM 275°F / 135°C not to be used for steam
Max. line pressure	72.5 psi (5 bar), others on request
Min. control air pressure	87 psi (6 bar)
Max. control air pressure	145 psi (10 bar)



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