

DELTA SWmini4

1/2", 3/4", 1" (DN10, DN15, DN20) SIZES



With more than 30 years of experience in valve production, APV now offers its customers an enhanced size assortment to our modern and highly versatile DELTA SW4 hygienic, single seat valve line. By introducing the 1/2", 3/4" and 1" (DN10, DN15 and DN20), we complete the comprehensive range from 1/2" to 6" (DN10 to DN150).

Installation of the DELTA SW4 valves is an investment in efficiency, production flexibility and in the future process industry. When designing this valve, great emphasis was put on facilitating valve handling, installation and its maintenance.

CHARACTERISTICS

Its hygienic design makes it ideal for applications in the dairy, beverage and brewing, as well as chemical and pharmaceutical industries. The valve has been 3A certified and the EHEDG approval is expected to arrive very soon. As our standard valve, it 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, while 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 requests

CONTROLLED COMPRESSION OF SEAT SEAL

The metallic stop ensures defined compression of the 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 SW4 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	DN10, DN15, DN20 AND 1/2", 3/4", 1"
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	116 psi (8 bar)

Based in Charlotte, North Carolina, SPX FLOW, Inc. (NYSE: FLOW) is a multi-industry manufacturing leader. For more information, please visit www.spxflow.com

Global locations

USA

SPX FLOW

611 Sugar Creek Road
Delavan, WI 53115
United States of America
+1 262 728 1900 or +1 800 252 5200

SPXFLOW

SPX FLOW 611 Sugar Creek Road, Delavan, WI 53115

P: (262) 728-1900 or (800) 252-5200, F: (262) 728-4904 or (800) 252-5012

E: answers.us@spxflow.com • www.spxflow.com

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