

DELTA VRA / VRAH Vacuum Valve

Vacuum valves DELTA VRA and DELTA VRAH are proving their reliability day after day in breweries, beverage, dairy and food industries as well as in the chemical and pharmaceutical area, i.e. in all places where a protection of tanks or vessels against vacuum is needed.

Characteristics

The valve is available in an upright design, DELTA VRA and a suspended design, DELTA VRAH. The valve opens when a vacuum of a certain pressure occurs in the tank and it closes when the vacuum has disappeared. (Closes through the spring pressure). A full-stroke opening is reached by applying air to the seat lift actuator either when checking the valve function or during cleaning.

Technical data

Sizes	DELTA VRA: DN50, DN100, DN150 DELTA VRAH: DN100	
Product wetted parts	1.4404 / AISI 316L	
Non-product wetted parts	1.4301 / AISI 304	
Seal materials	EPDM, FPM, Silicone All seals com- ply with the FDA requirements	
Max. temperature	EPDM / HNBR 135°C (short time 140°C) VMQ 135°C not to be used for hot water FPM 135°C not to be used for steam	
Surfaces	Internal finish: Ground Ra <1,6um External finish: Glass blasted	
Required air pressure for seat lift	6 - 10 bar	

Features and benefits

- Precise pick-up accuracy
- Gas tight
- Maintenance free pneumatic seat lift actuator for remote controlled function check.
- No sump or dome
- Optimum CIP characteristics by ball-shaped valve bodies
- No shaft guide in the product chamber
- Cleaning of the body insides by a special spray nozzle
 - Safe function is guaranteed by
 - metallic valve stem
 - elastomer seat seal
 - PTFE slide bearings
- No splashing or dripping of liquids during cleaning due to drip tray

Options

Valve position feedback by 2 proximity switches

Minimum pressure of response		Throughput with vacuum 100mm WC	200mm WC
VRAH DN100	Vacuum 20mm WC	250m ³ /h	350m ³ /h
VRA	Can be set from Vacuum 35mm WC to vacuum 60mm WC		
DN50		39m ³ /h	80m ³ /h
DN100		215m ³ /h	317m ³ /h
DN150		324m ³ /h	943m ³ /h

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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.

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