

DELTA RGE4

REGULATING VALVE

The DELTA RGE4 valve is designed for regulating the flow and pressure control in hygienic process applications.

The RGE4 valve is a lower-cost alternative to the known DELTA RG4 valve and can be used for fixed, unaltered application parameters. It holds many of the excellent features of the RG4 valve.

Characteristics

The DELTA RGE4 is equipped with a Samson diaphragm actuator and a positioner. The operation of the actuator is reversible, i.e. spring-raising or spring-lowering. The positioner may be supplied for electrical or pneumatic feedback signals. Proximity switches can be installed as of positioner type 3730-1. The valve stroke changes in accordance with the control signal, e.g. from the PLC or superordinated controls.

Features and benefits

- **Ball-shaped housing**
Assuring a gentle product handling and has neither sump nor dome
- **Marked profile seals**
Ensuring a prompt and failsafe identification of seals during maintenance
- **Crevice-free sealing**
Eliminates contamination - no gap between the seal material and the seal groove where the product could get trapped
- **CIP/SIP ability**
The valve is 100% hygienic
- **Elastomer seal in the valve seat**
Use of additional shut-off elements (e.g. butterfly valve) is not required
- **Easy to maintain**
For maintenance purposes, the valve insert is completely dismantled to the top and dismantled

Options

The valve can be supplied with a positioner of other manufacturers if requested.

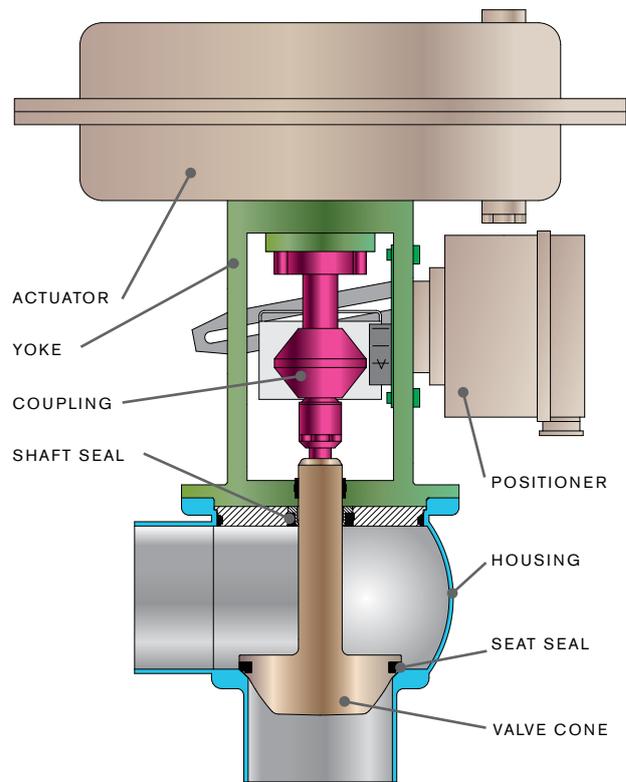


Variants of the DELTA RGE4 regulating valve

DN	TUBE (Inch)	KVS VALUE	ACTUATOR (cm ²)	MAX DIFFERENTIAL PRESSURE (bar)	
				NORMALLY CLOSED	NORMALLY OPEN
25	1	6,3/10	120	21	25
40	1,5	16/25	120	11	25
-	1,5	2,5/4,0/6,3/10	120	21	25
40	1,5	16/25	240	11	25
50	2	40	240	12	25
65	2,5	63	240	7	25
65	2,5	63	350	18	25
80	-	100	350	12	16
-	3	80	240	6	16
-	3	80	350	15	16
100	4	160	350	8	16

Technical Data

Sizes	DN 25-100 and 1"-4"
NOMINAL PRESSURE RANGES	DN 25-65, 1" - 2,5" PN 25 DN 80-100, 3"- 4" PN 16
PRODUCT WETTED PARTS	1.4404/AISI 316L
NON-PRODUCT WETTED PARTS	1.4301/AISI 304
SEAL MATERIALS	EPDM, HNBR, FPM, VMQ All seals comply with the FDA requirements.
MAX. TEMPERATURE	EPDM, HNBR: 135 °C - short-term: 140 °C VMQ, FPM: 135 °C - not suited for hot water and steam Option: FPM steam-resistant
ACTUATOR	Diaphragm actuator (normally open or normally closed)
POSITIONER	Pneumatic 0,1-1 bar
CHARACTERISTICS	Electropneumatic 4-20 mA Linear or equal-percentage
OPTION	Aseptic design with steam barrier, manually operated



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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. Please contact your local sales representative for product availability in your region. For more information visit www.spx.com.

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