



GEA Tuchenhagen VARIVENT Modulating Control Valves

with the highest hygienic standards

VARIVENT® Modulating Control Valves ...

... of the Series A and S are used for pressure control, rating or mixing of liquids at different temperatures.

Typical applications are:

gassing, yeast pitching, wort aeration or filling operations.

Special positioners are provided for high accuracy adjustment of the stroke length. Several kvs-values per nominal width may be set so that the valve may be optimized to the process.



Design

Linear or equal percentage control cones are integrated in fully cleanable, pocket-free VARIVENT® housings.

Control cones and valve seats are easily changed for different operating conditions. The open lantern allows visual inspection for stem seal leaks. Valve constructions using clamp fittings allow easy and safe assembly.

Modulating control valves, series A and S, are suitable for wet room installation.

Actuators are reversible allowing either spring-to-open or spring-to-close operations. open and/or closed valve position

Special Features

- Positive shut-off by use of a V-ring seat seal made of EPDM or FPM
- Electro-pneumatic or pneumatic positioner (make on choice) for optimization of the control accuracy
- Limit switch(es) to detect the open and/or closed valve position

Connections

- VARIVENT® flange connection
- Clamp connection
- IDF union
- Fittings as per DIN 11851
- Flanges as per DIN
- Flanges as per ANSI
- IDF male parts

Sizes

The following housing sizes and connection diameters are available:

- Metric: DN 25 to DN 125
- Inch OD: 1" to 4"
- Inch IPS Sch. 5: 2" to 6"
- others on request

Control Valve is part of the VARIVENT® System which is:

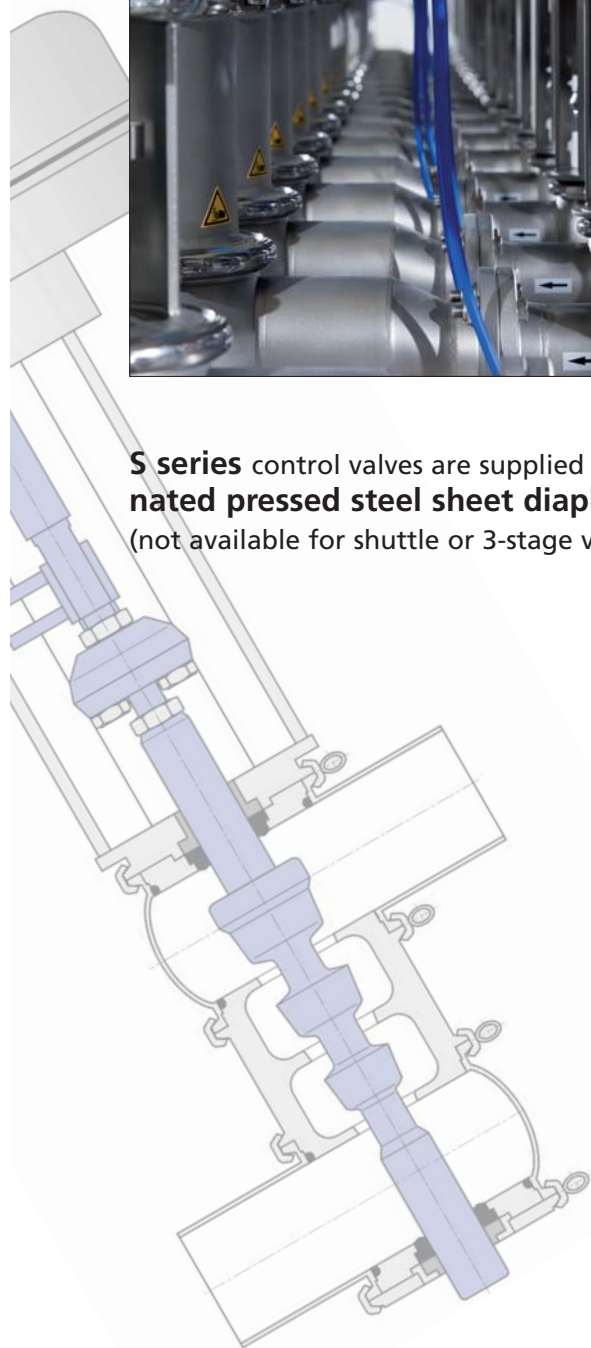
- Made of stainless steel
- Fully cleanable
- Sterilizable
- Robust
- Easy to maintain
- For all hygienic duties

VARIVENT® Modulating Control Valves

A series control valves are equipped with a **stainless steel multi-spring diaphragm actuator**.

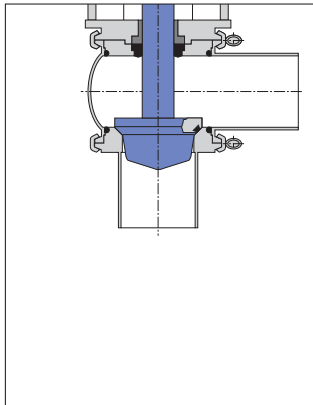


S series control valves are supplied with a **plastic laminated pressed steel sheet diaphragm actuator** (not available for shuttle or 3-stage valves).

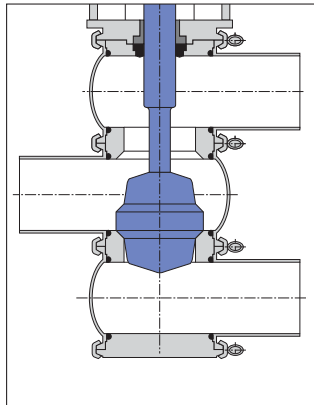


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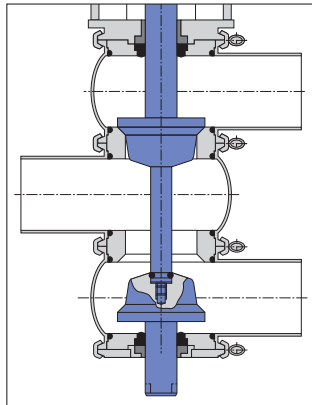
Control Valve Types



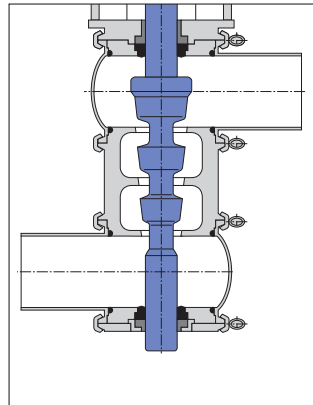
Valve types AL and SL
Single-seat modulating control valve



Valve type AWW
For flow converging



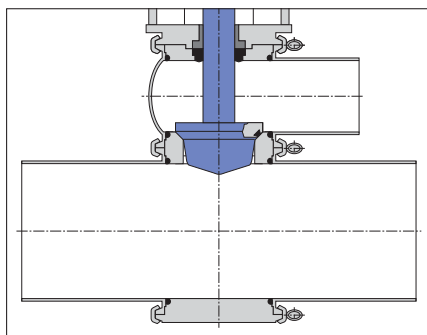
Valve type AWWX
For flow diverting



Valve with 3-stage seat, type A
Used to reduce high pressure differences in cavitation free applications at low noise level.

Mix Matched Housings

Modular valve housings are available in different line size combinations. They are typically used for blending ingredient streams into a main product flow line.





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Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA Group is a global engineering company with multi-billion euro sales and operations in more than 50 countries. Founded in 1881, the company is one of the largest providers of innovative equipment and process technology. GEA Group is listed in the STOXX® Europe 600 Index.

GEA Mechanical Equipment

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