Pentair Südmo’s SVP Select Control Valve range offers an extensive component solution for all common control processes in the beverage, food, dairy, and pharmaceutical industries.

Typical applications for control valve operation are flow rate control, dosing of liquids and gases, pressure regulation in liquid piping, split-range controls, level control in buffer tanks, and carbon dioxide dosing for beverages.

Pentair Südmo’s SVP Select Control Valve offers many CV value options and both linear and equal percentage, which allows each application to be totally customized using our standard components.

Adjustment of varying process parameters can be accomplished by modifying individual parts. There is no need to replace a complete valve.

The range is supplemented with alternatives for media mixing and distribution of media. The concept combines two individual control valves into a three-way valve, which provides a space-saving and cost-effective alternative.

**PRODUCT INFORMATION**

- Aseptic valve option with P³ diaphragm
- Regulation with linear or equal percentage control plug (can also be exchanged for one another subsequently)
- As standard there are three different KV values available per nominal diameter (further KV values on request)
- Subsequent modification of KV values by replacing plug and seat possible (for this separable connections must be provided on all connection ports)
- Control plug with or without tight closure function (metal seat or o-ring sealing)
- High precision membrane actuator with electropneumatic position controller
- SVP standard actuator with “8692” control head (cost-effective alternative to the membrane actuator)
- “8692” control head can also be used with the optional PID-Controller in stand-alone operation e.g. in connection with a temperature or flow rate meter

**ADVANTAGES**
SÜDMO SVP SELECT
CONTROL VALVES

TECHNICAL DATA

MATERIALS

Product contact 1.4404 (AISI 316L)
Non-product contact 1.4301 (AISI 304) / 1.4307 (AISI 304 L)
Optional Higher quality materials

Seals
Standard: EPDM
Optional: other materials
P³ diaphragm
PEEK seat seal optional

OPERATING TEMPERATURES

EPDM seals
130 °C (266 °F) continuous
150 °C (300 °F) short sterilization

PRESSURES

Control air pressure
Standard 6 bar (87 psi) – 8 bar (116 psi)
Membrane actuator 5 bar (73 psi) – 7 bar (101 psi)

Operating pressure
- DN 10-80 / OD 0.5”-3.0” / ISO 08-65:
  10 bar (145 psi)
- DN 100 / OD 4.0” / ISO 80:
  6 bar (87 psi)
- DN 125-150 / OD 6.0”:
  10 bar (145 psi)

FINISH

Product contact Ra ≤ 0.8 μm
Non-product contact Ra 1.6 μm
Optional Improved mechanical polish / electropolish

APPROVALS / CERTIFICATES

EHEDG
3A Standard
FDA

OPTIONS CONTROL VALVE PROGRAM SVP SELECT DN 10-100 / OD 0.5”-4.0” / ISO 08-80

HOUSINGS

Angle valve
Straight-way valve
3-way distribution valve
3-way mixing valve

ACTUATORS

Manual actuator
Pneumatic SVP standard actuator
Pneumatic membrane actuator

VALVE INSERTS

Hygienic
Profiled gasket / o-ring
Metallically sealed

Aseptic
P³ diaphragm / o-ring [P³ diaphragm / PEEK]
P³ diaphragm / metallically sealed

MODEL RANGE EXTENSION: CONTROL VALVES SVP SELECT XL - DN 125-150 / OD 6.0”

HOUSINGS

Straight-way valve

ACTUATORS

Manual actuator
Pneumatic SVP standard actuator
Pneumatic membrane actuator

VALVE INSERTS

Hygienic
Profiled gasket / o-ring
Metallically sealed

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