

# SÜDMO SVP SELECT CONTROL VALVES

## PRODUCT INFORMATION



SVP Select Control Valve  
with pneumatic actuator



SVP Select Control Valve  
with membrane actuator

### PRODUCT INFORMATION

Pentair Südmö'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 Südmö'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.

### ADVANTAGES

- Aseptic valve option with P<sup>3</sup> 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



SVP Select aseptic control valve  
with P<sup>3</sup> diaphragm

# SÜDMO SVP SELECT CONTROL VALVES

PRODUCT LEAFLET

## TECHNICAL DATA

### MATERIALS

**Product contact**

1.4404 (AISI 316L)

**Non-product contact**

1.4301 (AISI 304) / 1.4307 (AISI 304 L)

**Optional**

Hastelloy, AL6XN

**Seals**

Standard:

EPDM

Optional:

HNBR, FPM, FFPM

P<sup>3</sup> diaphragm

PEEK seat seal

### APPROVALS / CERTIFICATES

EHEDG

3A Standard

FDA

### OPTIONS

#### HOUSINGS

Angle valve with interchangeable seat

Split valve housing with interchangeable seat

3-way distribution valve with split housing

3-way mixing valve with split housing

### 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 8-65:

10 bar (145 psi)

- DN 100 / OD 4.0 / ISO 80:

6 bar (87 psi)

### FINISH

**Product contact**

Ra ≤ 0.8 µm

**Non-product contact**

Ra ≤ 1.6 µm

**Optional**

Improved mechanical polish / electropolish

### CONNECTIONS

**Tube dimensions**

- DIN 11850 Series 2 (DIN 11866 Series A)

- ASTM A270 (ASME BPE-2009 /

DIN 11866 Series C)

- DIN EN ISO 1127 (DIN 11866 Series B)

### ACTUATORS

Pneumatic actuator

Manual actuator

Membrane actuator

### VALVE INSERTS

**Hygienic**

Profiled gasket / o-ring

**Aseptic**

P<sup>3</sup> diaphragm / o-ring (P<sup>3</sup> diaphragm / PEEK)



#### SÜDMO COMPONENTS GMBH

INDUSTRIESTRASSE 7, 73469 RIESBÜRG GERMANY WWW.SUEDMO.DE

All Pentair trademarks and logos are owned by Pentair, Inc. All other brand or product names are trademarks or registered marks of their respective owners. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

Pentair is an equal opportunity employer.

RV E-1 / 12 © 2012 Pentair, Inc. All Rights Reserved.