

BAA S370 Select

SVP valve

(Right angle, double right angle, cross, angular seat variant)

DN 25 – 100, DN 1" – 4"

Profile gasket – O-ring, Profile gasket – PEEK gasket
Manually and pneum. operated



Änderung	Datum	Name	Änderung	Datum	Name	Änderung	Datum	Name	Änderung	Datum	Name

erst. am/von 19.07.2007 Graf
gepr. am/von 19.07.2007



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Safety instructions



This symbol indicates a direct and immediate danger to the life and health of persons

Failure to observe these warnings may result in serious damage to health, up to and including life-threatening injuries which may or may not be fatal.



This symbol indicates a potentially hazardous situation!

Failure to observe these warnings may result in less serious injuries, or damage to material property.



This sign draws your attention to important information about the proper use of the SVP valve. It is essential for this information to be observed.

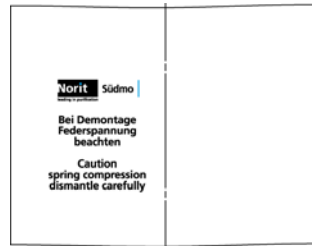
Failure to observe these instructions may cause malfunctions in the valve or in its vicinity.

General

- ⇒ SVP valves from Südmo Components GmbH are manufactured in accordance with state-of-the-art standards and the recognized safety rules. However, these SVP valve may constitute a hazard if used by operating personnel improperly or for a purpose other than the intended one. This may result in a risk to life and limb of the user or of third parties, or cause damage to the SVP valve and other material property.
- ⇒ Each person concerned with installation, commissioning, operation and maintenance of this SVP valve must have read and understood the complete operating instructions, and in particular all safety instructions.
- ⇒ In addition to these operating instructions, the following are of course also valid:
 - pertinent accident prevention regulations
 - generally recognized safety rules
 - national regulations of the country of use
 - in-house work and safety regulations.

Maintenance

- ⇒ Our SVP valves should be maintained and commissioned only by qualified personnel. Qualified personnel in the sense of the operating instruction are persons which are familiar with assembly, commissioning and operation of this product and have corresponding qualifications
 - Training or instruction according to the current standards of the security techniques concerning corresponding care and use of the security devices
 - First Aid training
 - Plants with explosion protection:
Training, instruction or authorization to effect works on explosive plants (pay attention to ATEX requirements).



Sketch A

- ⇒ Before starting maintenance please make sure that:
- discharge of the pipeline
 - please effect only when there is no pressure and no product in the pipeline
 - to be informed about possible dangers which can occur due to the product and to take the corresponding measures (security glove, protecting glasses)
 - cool down the components if required
 - exclude commissioning of the plant by a third party.
 - counteract against cushion pressure which can occur in isolated pipelines
 - do assembly in accordance with assembly instructions.
 - if the closing springs are not preloaded when removing the actuator, there might be danger of injury when the clamping joint is loosened because the drive releases spring tension (see label – sketch A)
 - switch off the power supply.
 - take the SVP valve out of the pipeline section if possible.
- ⇒ Any method of working that impairs the safety and function of the SVP valve must be avoided.

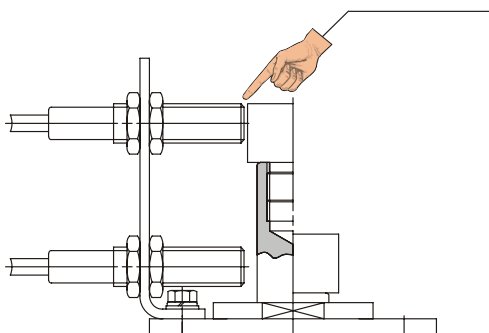
Modification of the SVP valve

- ⇒ The user is obligated to ensure that the SVP valve is always operated in accordance with its designated use and only by safety-conscious persons who are fully aware of the risks involved in its operation. Changes to the SVP valve which impair its functioning or safety must be reported immediately. The user is obligated to ensure that the SVP valve is always operated in technically perfect condition.



Modification of the SVP valve is strictly prohibited.

SVP valves with feedback



Don't put fingers into check-back signal.

⇒ ***Accident risk.***

Fingers can be crushed or cut off

Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

Storage

- ⇒ Store the valve in a dry place and protect it against external conditions.
- ⇒ Prior to any handling (dismantling of housings / actuators) store valves at least for 24 h in a dry place at a temperature of $\geq 5^{\circ}\text{C}$.

Operation



Danger

- ***Never touch the valve or piping system when hot products are in processing or during sterilization.***
- ***Observe strictly the technical data.***
- ***We cannot be held liable for an incorrect use of the valve.***

Spare parts

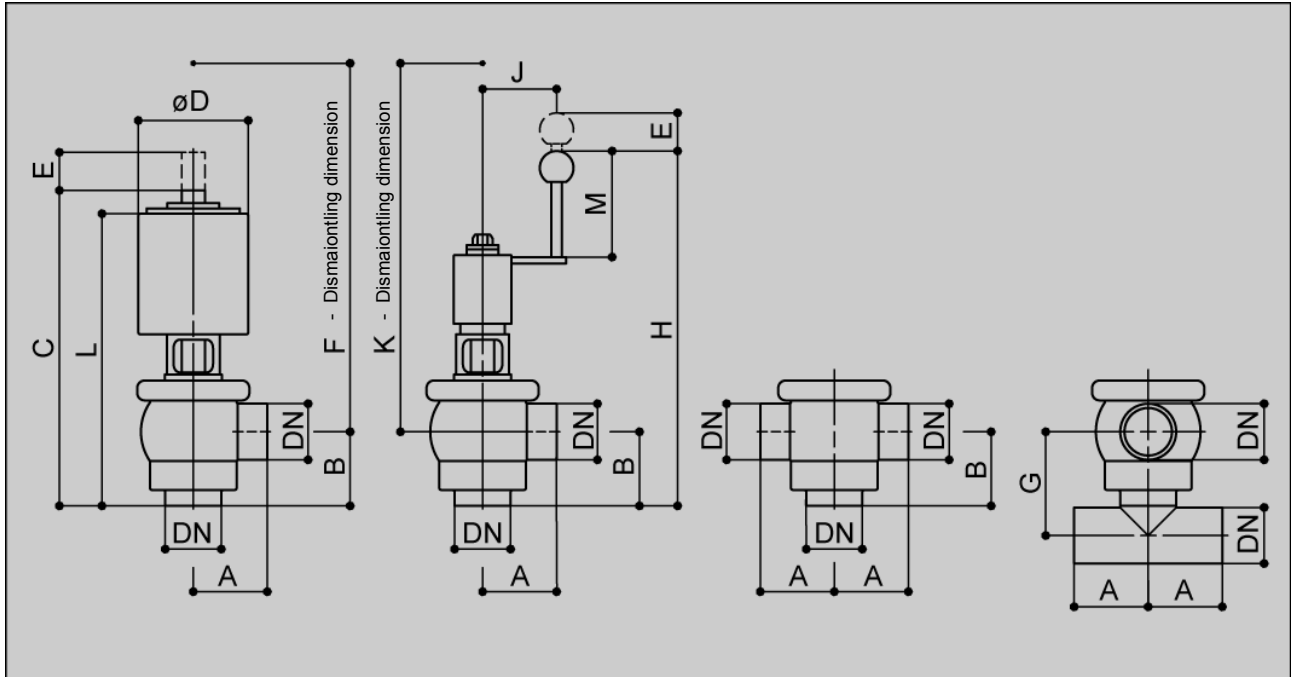


Caution

- ***Please use only original Südmo spare parts***
- ***Südmo spare parts see list of spare parts***
- ***exclusion of liability by using other spare parts.***

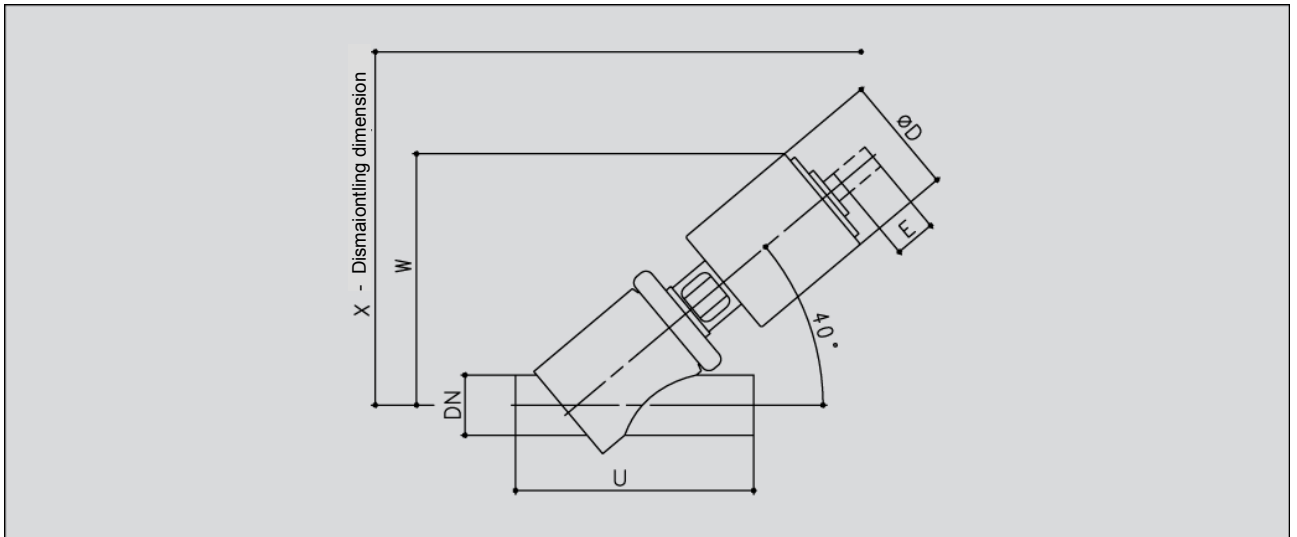
Technical data

Dimensions



DN	Tube	A	B	C	$\varnothing D$	E	F	G	H	J	K	L	M
Metric													
25													
40													
50													
65													
80													
100 *													
O.D. tube													
1"	$\varnothing 25,4 \times 1,65$	80	50	273	104	7	285	65	320	70	330	242	100
1 1/2"	$\varnothing 38,1 \times 1,65$	80	55	281	104	10	295	76	327	70	340	253	100
2"	$\varnothing 50,8 \times 1,65$	100	65	294	104	14	315	93	340	70	360	270	100
2 1/2"	$\varnothing 63,5 \times 1,65$	100	70	350	129	18	380	105	377	100	405	325	100
3"	$\varnothing 76,1 \times 1,65$	120	80	432	154	22	460	121	400	100	430	400	100
4" *	$\varnothing 101,6 \times 2,11$	150	90	447	154	28	485	145	416	100	460	423	100

* = Pneum. valves spring to open – air to close (6 bar control pressure) standard with booster size II (dimensions see separate data sheet „booster“)



DN	Tube	øD	E	U	W	X
Metric						
25						
40						
50						
65						
80						
100 *						
O.D. tube						
1"	ø25,4 x 1,65	104	20	160	210	260
1 ½"	ø38,1 x 1,65	104	20	185	217	275
2"	ø50,8 x 1,65	104	25	210	222	290
2 ½"	ø63,5 x 1,65	129	30	250	277	350
3"	ø76,1 x 1,65	154	40	300	341	425
4" *	ø101,6 x 2,11	154	40	330	358	465

* = Pneum. valves spring to open – air to close (6 bar control pressure) standard with booster size II (dimensions see separate data sheet „booster“)

Valve use

Application:	Shut-off valve
For use in:	Low-germ processes
Shut-off tightness:	6 bar max.
Vacuum:	Leakage rate (mbar x l/s) = 1.5×10^{-5}

Materials

Seal materials SVP valve - profile gasket – O-ring

⇒ EPDM

Temperature for **continuous** application in air: -40° C to +130° C

Resistant to

Hot water	to 100° C
Steam	to 130° C for continuous application, to 150° C for short time
Wort:	to 100° C
Sodium hydroxide	to 100° C and concentration to 5 %
Nitric acid	to 60° C and concentration to 3 %
Peracetic acid	to 80° C and concentration to 0,7 %
Raspberry flavor	room temperature
Cherry flavor	room temperature

Seal materials SVP valve - profile gasket – PEEK gasket

⇒ PEEK natur / EPDM

Temperature for continuous application in air: -25° C to +130° C

Resistant to

Hot water	to 100° C
Steam	to 130° C for continuous application, to 150° C for short time
Wort:	to 100° C
Sodium hydroxide	to 100° C and concentration to 5 %
Nitric acid	to 60° C and concentration to 3 %
Peracetic acid	to 80° C and concentration to 0,7 %
Raspberry flavor	room temperature
Cherry flavor	room temperature

The application parameters depend on:



- ⇒ application duration per day
- ⇒ switching intervals
- ⇒ kind of product, temperature etc...
- ⇒ type of cleaning (CIP / SIP)

Stainless steel

In contact with product:	1.4404
Not in contact with product:	1.4301

CIP-Cleaning



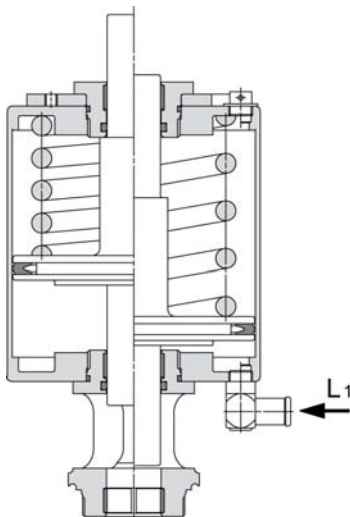
- ⇒ Valve inner chambers must be cleaned regularly.
- ⇒ Observe the safety information sheets issued by the detergent manufacturers !
- ⇒ Only use detergents which are non-abrasive and non-aggressive towards seals and stainless steel.

Surfaces

Surfaces in contact with product: $R_a \leq 0,8 \mu\text{m}$
Optional: E-polished

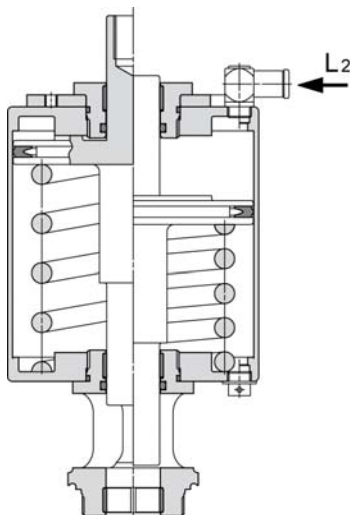
Surfaces not in contact with product: bright-turned,
 $R_a \leq 1,6 \mu\text{m}$

Pneum. actuator



Function air opened – spring closed

- ⇒ Position "closed"
 - ⇒ control air pressure 0 bar on connection L₁.
 - ⇒ safety position
- ⇒ Position "open"
 - ⇒ control air pressure 6 bar on connection L₁.

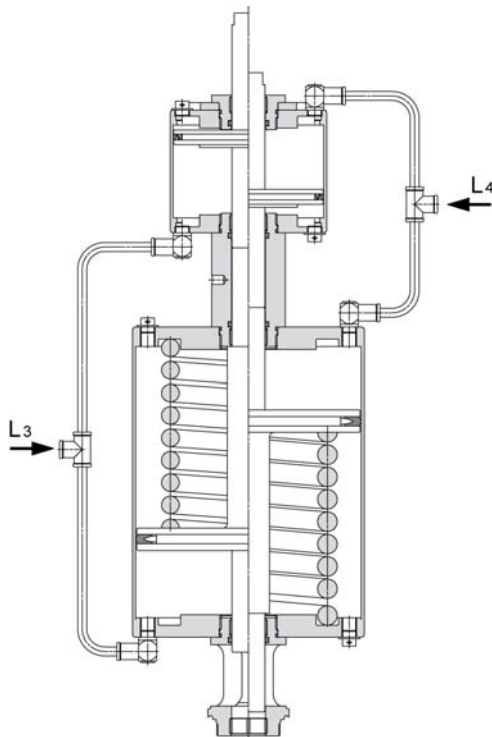


Function spring opened – air closed

- ⇒ Position "open"
 - ⇒ control air pressure 0 bar on connection L₂.
 - ⇒ safety position
- ⇒ Position "closed"
 - ⇒ control air pressure 6 bar on connection L₂.

Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"



SVP actuator with booster

Function air opened – spring closed

- ⇒ Position "closed"
 - ⇒ control air pressure 0 bar on connection L₃.
 - ⇒ safety position
- ⇒ Position "open"
 - ⇒ control air pressure min. 3 bar on connection L₃.

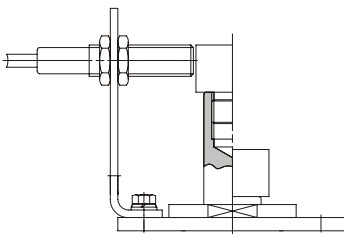
Function spring opened – air closed

- ⇒ Position "open"
 - ⇒ control air pressure 0 bar on connection L₄.
 - ⇒ safety position
- ⇒ Position "open"
 - ⇒ control air pressure min. 3 bar on connection L₄.

DN 100, DN 4", DN 80-ISO

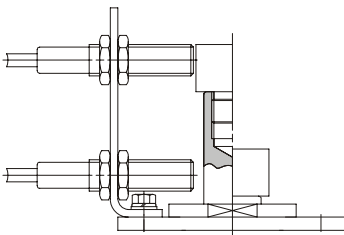
Pneum. SVP valves spring to open air to close standard with booster.

Control systems



Single feedback

- ⇒ signal: open or closed valve position
- ⇒ inductive feedback
 - thread M 12 according to customer order
- ⇒ feedback data
 - refer to the data sheet of the manufacturer of the feedback
- ⇒ mounting set for check-back signal - order number 2125977



Double feedback

- ⇒ signal: open and closed valve position
- ⇒ inductive feedback
 - thread M 12 according to customer order
- ⇒ feedback data
 - refer to the data sheet of the manufacturer of the feedback
- ⇒ mounting set for check-back signal - order number 2125977



Process control head type 1066

Technical data
refer to BA 1066

Pneum. connections
refer to BA 1066

Electrical connections
refer to BA 1066

Maintenance
refer to BA 1066



Process control head IntelliTop® type 8680

Technical data

refer to BA 8680

Pneum. connections

refer to BA 8680

Electrical connections

refer to BA 8680

Maintenance

refer to BA 8680

Electrical and pneumatic connections

Electrical connections

Connect up the electrical and pneumatic systems after installing the valve.



Danger

Only qualified personnel may do electrical installation

- ⇒ Observe VDE, IEE, IEC power utility and other locally applicable regulations.
- ⇒ Before connecting it up, check to see whether operating voltage and current match specifications.

Pneumatic connections

- ⇒ Angular screw-in-union G 1/8, air hose PE ø 6/4
- ⇒ USA: Angular screw-in-union G 1/8, air hose PE 1/4" (ø6,35)

Air hose

Use always the hose quality according to Südmo order no. 0490227 (6/4 hose) and 0735563 (8/6 hose) or equivalent:

- ⇒ Air hose black
- ⇒ Material: Polyamid 12
Linear coefficient of expansion: 15×10^{-5}
Version according to DIN73378 soft
- ⇒ Max. operating pressure: AD 6/ ID 4 = 27 bar
AD 8/ ID 6 = 19 bar
all pressure indications at 20°C, higher temperatures have a negativ effect on the max. operating pressure



- ⇒ **Use only calibrated hose lines with an outside diameter of 6mm or 1/4" or 8 mm or 5/16" (Tolerance +0,05/-0,1)**
- ⇒ **Cut the hose line only with a special hose cutter otherwise the hoses can be damaged.**
- ⇒ **During inappropriate cutting, the hose can leak at the cutting point which can cause a pressure loss.**
- ⇒ **The length of the hose must be calculated in a way that the hose cannot buckle. If the hose is once buckled it is permanently damaged. This can cause a pressure loss or an interruption of the air supply. Please see manufacturer's instruction regarding the minimum bending radius of the hose.**

Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"



⇒

Insert the air hose tangentially into the connector and fix it. Avoid inclined hoist on the connector as the air hose may buckle and leakages can arise. This can cause a pressure loss or an interruption of the air supply.

Control air

Control air pressure

SVP actuator	min. 6 bar – max. 8 bar
SVP actuator with booster	min. 3 bar – max. 8 bar
Process control head type 1066	refer to BA 1066
Process control head IntelliTop® type 8680	refer to BA 8680



Only use clean and dry compressed air !

Control air

acc. to DIN/ISO 8573.1

Solid content

Particle size	max. 5 µm
Particle density	max. 5 mg/m ³ (quality grade 3)

Water content

quality grade 3	
Dew point	-20° C or at least 10° C at lowest ambient temperatures

Oil content

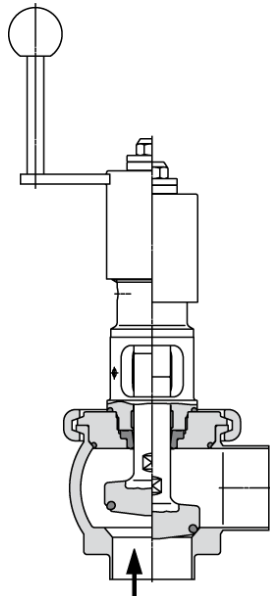
quality grade 3, preferable oil free, max. 25 mg oil 1 m³ air

Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

Valve function

SVP valve with manual drive



Flow direction

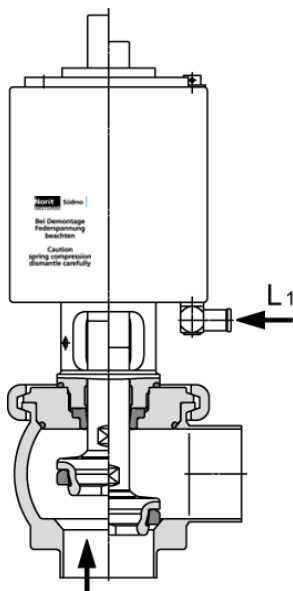
Valve position „Closed“

- ⇒ rotate the hand-crank clockwise to the catch
- ⇒ locking pressure against product pressure 6 bar.

Valve open

- ⇒ rotate the handwheel counter-clockwise to the catch
- ⇒ valve open

SVP valve air opened – spring closed



Flow direction

Valve position „Closed“

- ⇒ control air pressure 0 bar on air connection L₁
- ⇒ safety position
- ⇒ locking pressure against product pressure 6 bar.

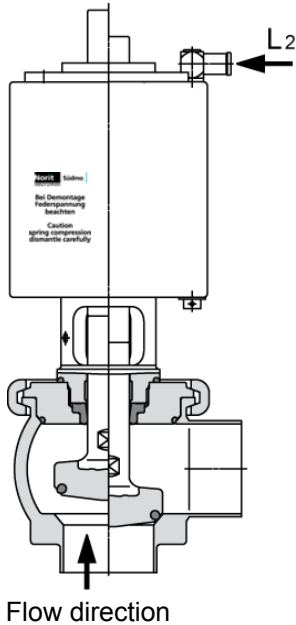
Valve open

- ⇒ control air pressure 6 bar on air connection L₁
- ⇒ valve open

Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

SVP valve spring opened – air closed



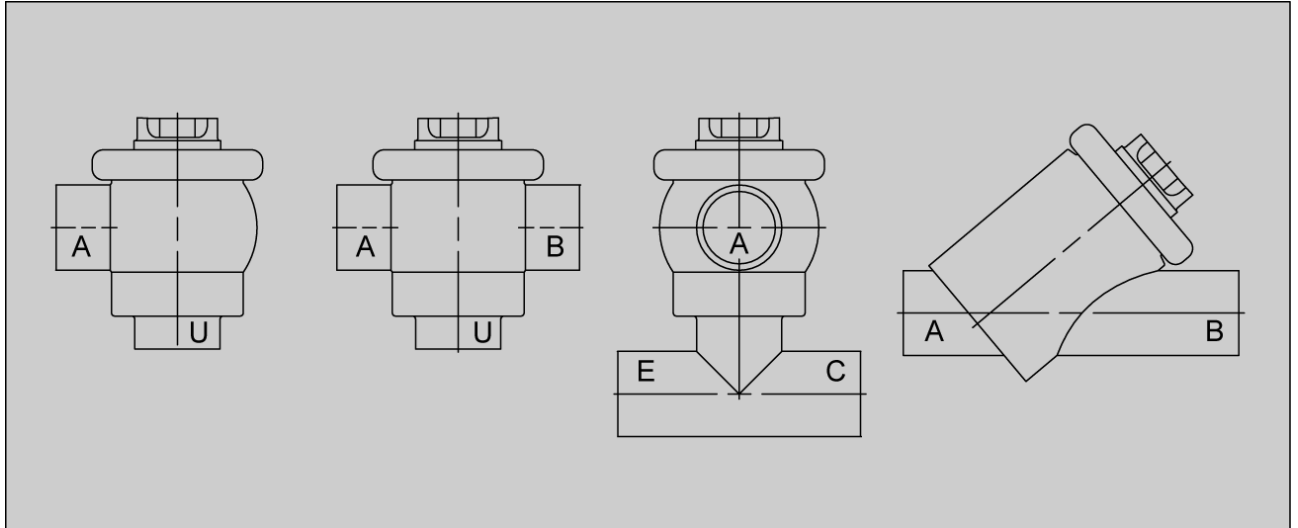
Valve position „Closed“

- ⇒ control air pressure 6 bar on air connection L₂
- ⇒ locking pressure against product pressure 6 bar.

Valve open

- ⇒ control air pressure 0 bar on air connection L₂
- ⇒ safety position
- ⇒ Valve open

Valve connection piping



Installation position

Vertical, horizontal

Ensuring that product can drain from valve and piping.

Valve connections

Connection A, B, C, E and U: - welding end
- union connection
- clamp connection
- small flange connection

Welding instructions see page 17.

Installation instructions

Dismantle valve in accordance with page 19.



- ⇒ **Remove seals before welding.**
- ⇒ **Valve housing must be free from stress and distortions when welded.**
- ⇒ **Welding works have to be effected only by approved qualified personnel (DIN 287-1 W11).**
- ⇒ **Do not allow any foreign bodies to enter the piping.**

Installation instructions

General remarks

We strongly recommend that the fittings should be installed by specially trained, qualified personnel.



Caution

Welding works have to be effected only by approved qualified personnel (DIN 287-1 W11).

We cannot be held liable for any loss damage or injury resulting from incorrect installation.

Delivery condition

- ⇒ Factory-tested and adjusted.
- ⇒ Ready for installation or for welding into the piping.

Installation instructions

Installation space

Determine and define the connection axes before starting installation work. Observe the installation dimensions specified in the dimensional drawings.

Ensure that there is sufficient space available for both operation and maintenance, which may include removal.

Installation

Make sure that the fittings and piping are not subjected to tensile or compressive stresses.

Welding instructions

Area of application

Welding of fittings into pipes according to DIN 11850 Reihe 1, 2; OD-Tube; DIN EN ISO 1127

Welding technique

TIG (tungsten inert-gas welding)

Type of welding

- ⇒ Preparation of the welding seam according to DIN 2559 (groove shape I / for I-groove)
- ⇒ Welding seams corresponding to DIN EN ISO 5817 → evaluation group B (high)

Weld preparation

Saw off the pipe ends evenly and at right angles, and debur them (pipe saw M882). Align the welding ends of the valve body and piping radially and axially, ensuring they are fitted flush together (centering device).



There must be no gap at the flush-fitted welding ends as the corrosion resistance of the welded joint would be impaired by the escaping forming gas.

Welding

Connect the forming gas. Tack at 3 or 4 points. Type of welding: TIG-manual or orbital (automatic welding).

Weld filler materials

Material allocation

Material of parts to be welded	Suitable weld filler materials		
	1.4430	1.4440	1.4519
1.4404	X		
1.4435	X	X	X
1.4571	X	X	

Weld finishing

Interior

Weld finishing not required. Improvement of surface finish by grinding (at accessible points).

Exterior

Weld finishing methods

- ⇒ pickling - dispose pickling paste correctly
- ⇒ brushing
- ⇒ grinding
- ⇒ polishing

Cleaning

Clean thoroughly before assembly.

Assembly

Assemble the fittings in accordance with the assembly instructions.

Dismantling – Assembly

Before disassembly

Do assembly in accordance with assembly instructions.

Please always take the following steps before loosening the valve connections and clamp connection on the valve housing:



Danger

- ⇒ **ensure that there is no work being done in that area when doing service and maintenance work.**
- ⇒ **evacuate all pipeline elements leading to the SVP valve and clean or rinse if necessary.**
- ⇒ **shut off the control air if not required for disassembly.**
- ⇒ **Preload closing springs with auxiliary assembly air when removing the actuator of spring-closed valves .**
- ⇒ **if the closing springs are not preloaded when removing the actuator, there might be danger of injury when the clamping joint is loosened because the drive releases spring tension.**
- ⇒ **switch off the power supply.**
- ⇒ **take the SVP valve out of the pipeline section if possible.**

Before assembly, clean and grease the sliding surfaces and lubricate the sealing elements.

Seal materials	Grease type
EPDM	PARALIQ GTE 703
PEEK	No grease
NBR	RENOLIT SI 410 M



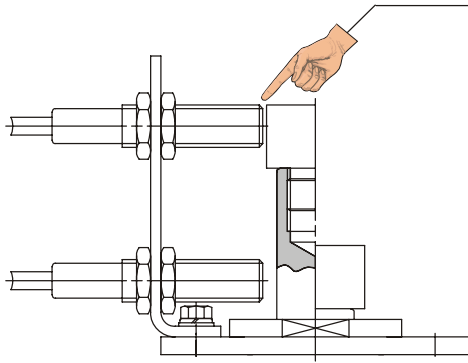
Caution

- ⇒ **if a different grease is used**
→ **it may attack seals.**
- ⇒ **Use of grease with PEEK seal elements not necessary.**
- ⇒ **please do not use mineral or animal greases.**
- ⇒ **Don't use grease based on petroleum.**

Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

SVP valves with feedback



Don't put fingers into check-back signal.

⇒ **Accident risk.**

Fingers can be crushed or cut off




Spare parts



Please use only original Südmo spare parts

- **Südmo spare parts see list of spare parts**
- **exclusion of liability by using other spare parts.**

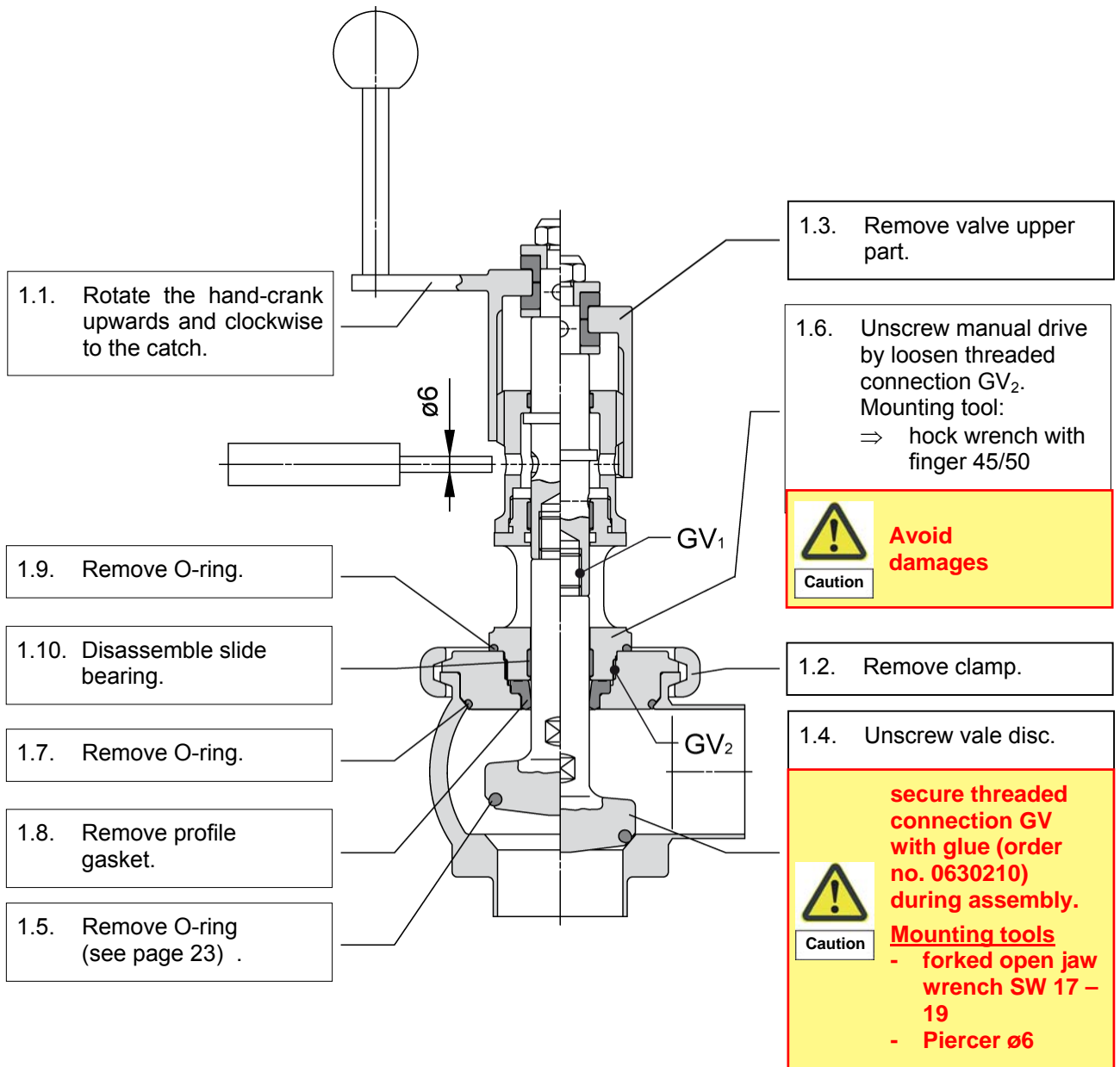
Mounting tools - Profile gasket – O-ring

Tool	Order no.	Use
Piercer ø6 	2123663	SVP valve, manually operated
forked open jaw wrench SW 17 – 19 	0098558	SVP valve, manually operated Pneum. SVP valve
hock wrench with finger 45/50 	2153550	SVP valve, manually operated Pneum. SVP valve

SVP valve, manually operated - Profile gasket – O-ring

Disassembly
In succession 1.1. – 1.10.

Assembly
In succession 1.10. – 1.1.



Pneum. SVP valve - Profile gasket – O-ring

Disassembly

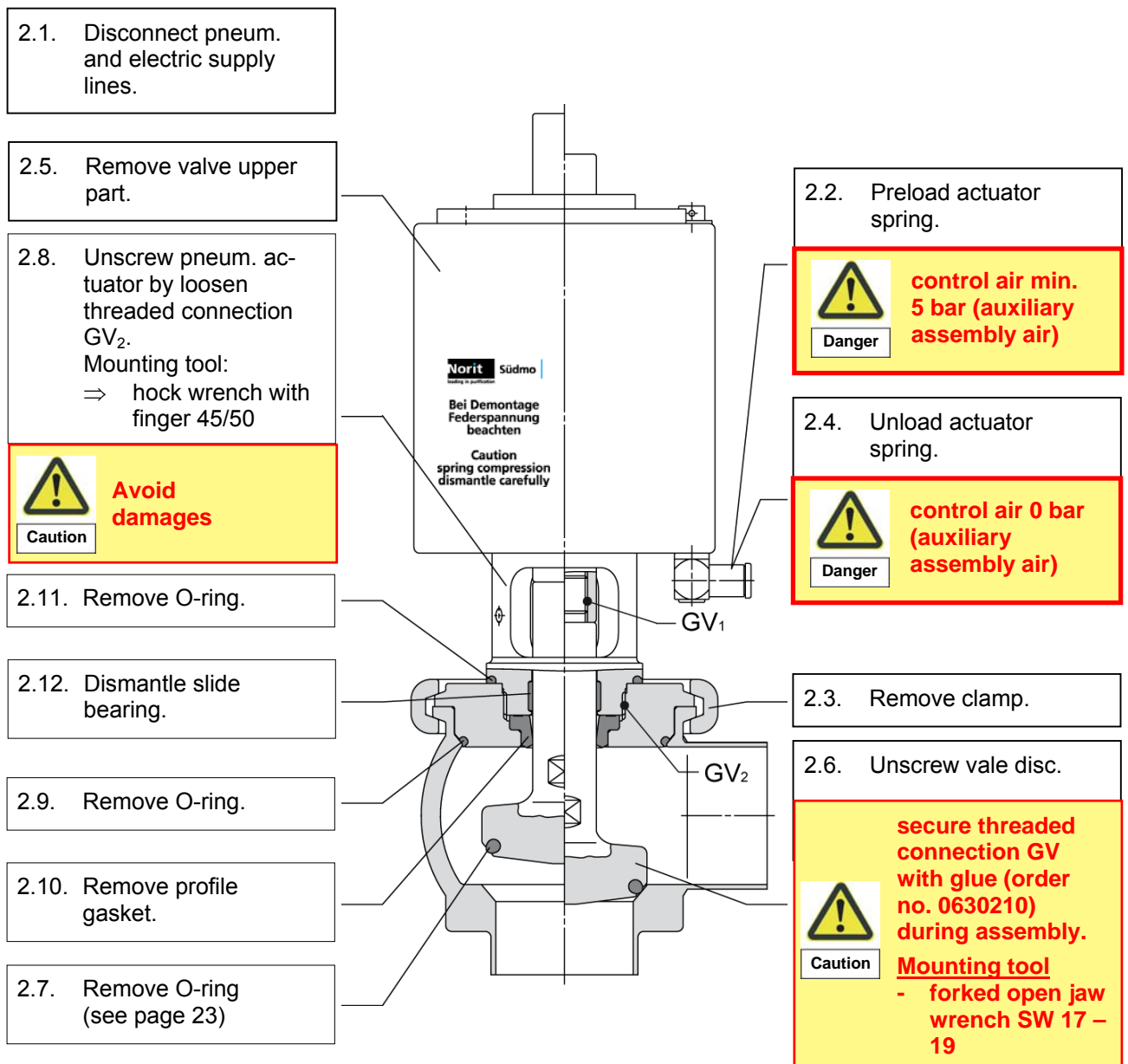
In succession 2.1. – 2.12.

Steps 2.2. and 2.4. only required with the drive function air-opened – spring closed.

Assembly

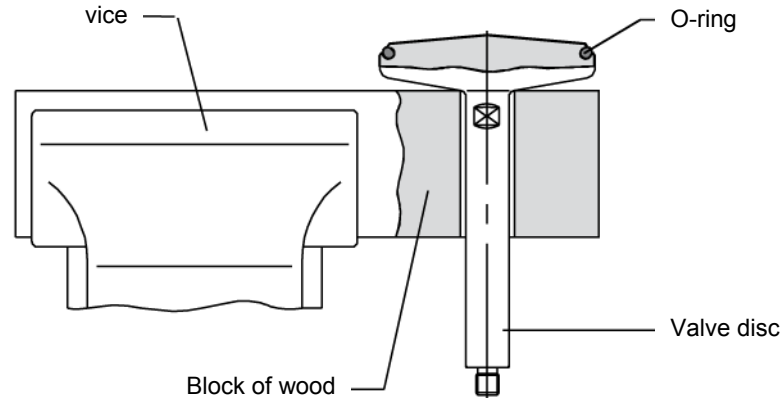
In succession 2.12. – 2.1.

Steps 2.2. and 2.4. only required with the drive function air-opened – spring closed.



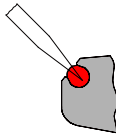
Assembly instructions - Profile gasket – O-ring

Use assembly device for clamping to avoid damage to valve disc.



Removal

- ⇒ O-Ring is installed in positive contact under pretension.
- ⇒ It must be removed as shown in drawing.



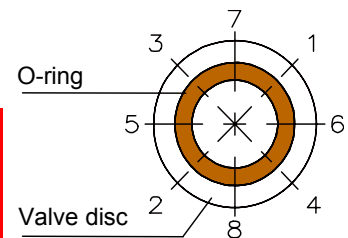
Don't damage sealing groove (edges of groove).

Installation





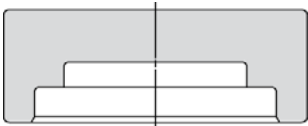

- ⇒ Press O-ring in sequence 1 – 2, 3 – 4 etc. into groove.
- ⇒ Roll O-ring section by section 1 – 6, 5 – 2 etc into groove.
- ⇒ Use round object of plastic or wood for installation.



Avoid drilling and damaging the O-ring by assembly.



Mounting tools - Profile gasket – PEEK gasket

Tool	DN	Order no.	Use
<p>Piercer ø6</p> 	<p>DN 25 – DN 100 DN 1" – DN 4"</p>	2123663	SVP valve, manually operated
<p>forked open jaw wrench SW 17 – 19</p> 	<p>DN 25 – DN 100 DN 1" – DN 4"</p>	0098558	<p>SVP valve, manually operated Pneum. SVP valve</p>
<p>hock wrench with finger 45/50</p> 	<p>DN 25 – DN 100 DN 1" – DN 4"</p>	2153550	<p>SVP valve, manually operated Pneum. SVP valve</p>
<p>Soldering iron</p> 	<p>DN 25 – DN 100 DN 1" – DN 4"</p>		<p>SVP valve, manually operated Pneum. SVP valve</p>
<p>Punch</p> 	<p>DN 25 / DN 1" DN 40 / DN 1 ½" DN 50 / DN 2" DN 65 / DN 2 ½" DN 80 / DN 3" DN 100 / DN 4"</p>	<p>2152517 2152518 2152519 2152520 2152581</p>	<p>SVP valve, manually operated Pneum. SVP valve</p>
<p>Holding fixture</p> 	<p>DN 25 – DN 100 DN 1" – DN 4"</p>	2152582	<p>SVP valve, manually operated Pneum. SVP valve</p>

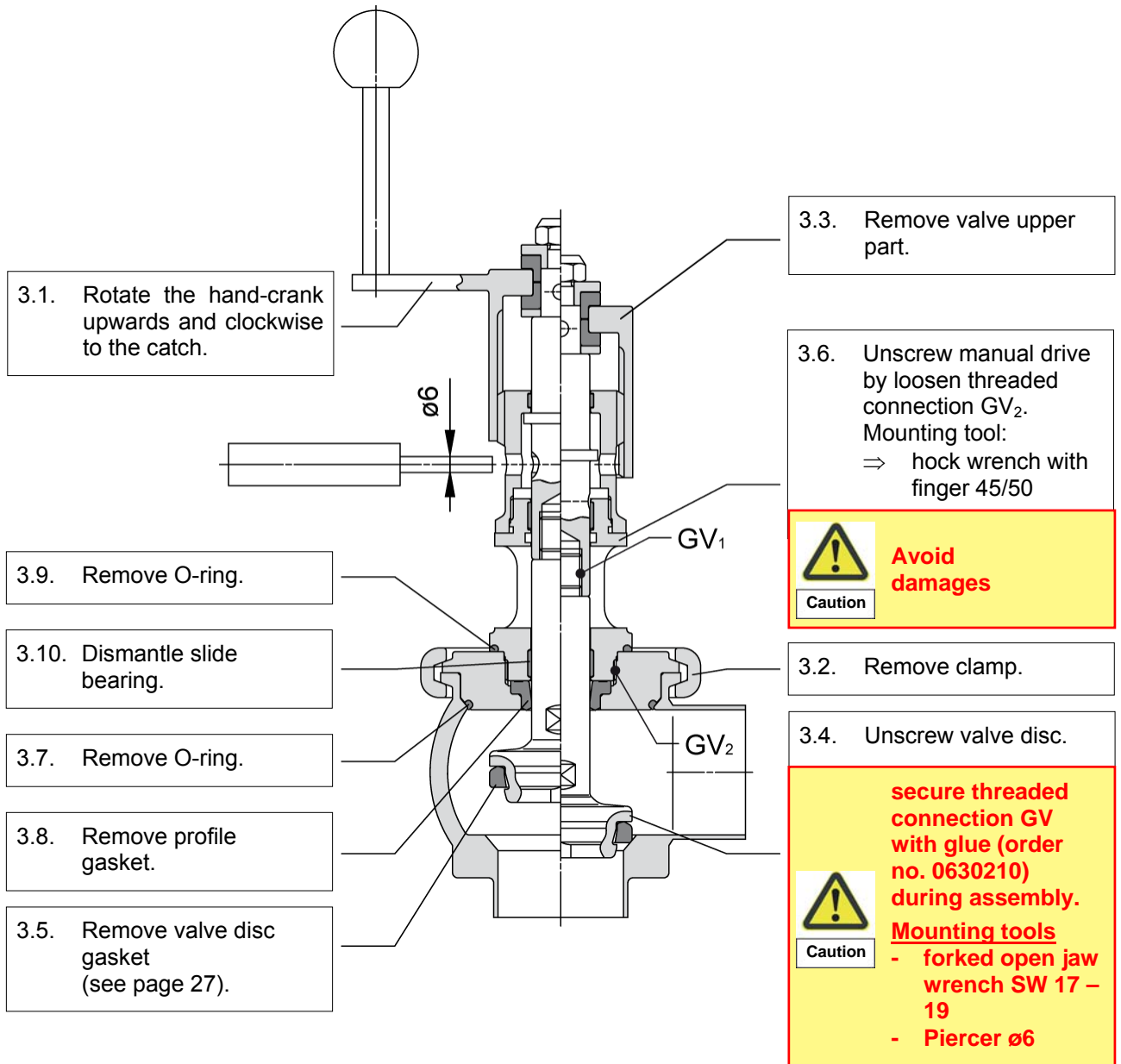
SVP valve, manually operated - Profile gasket – PEEK gasket

Disassembly

In succession 3.1. – 3.10.

Assembly

In succession 3.10. – 3.1.



Pneum. SVP valve - Profile gasket – PEEK gasket

Disassembly

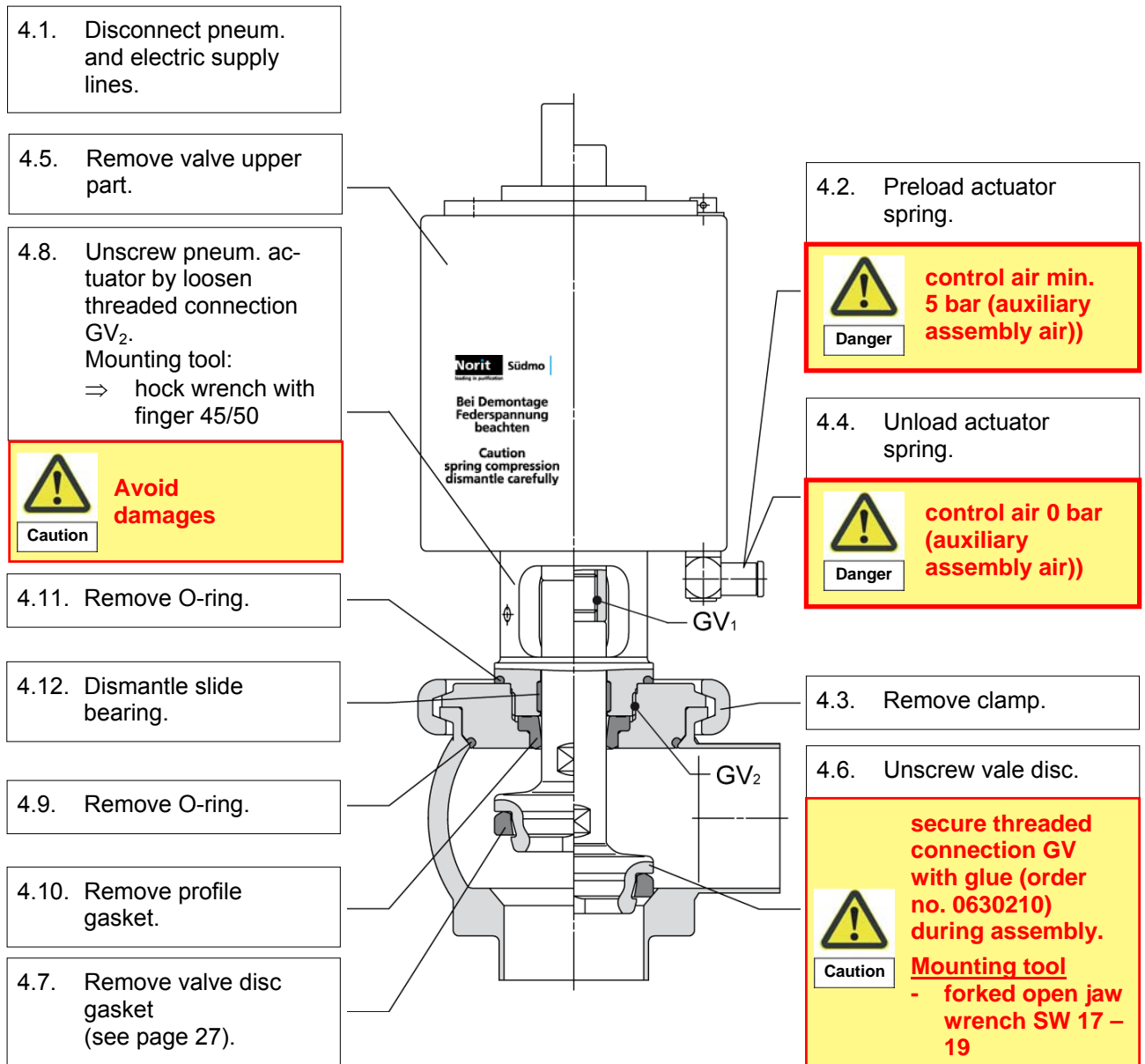
In succession 4.1. – 4.12.

Steps 4.2. and 4.4. only required with the drive function air-opened – spring closed.

Assembly

In succession 4.12. – 4.1.

Steps 4.2. and 4.4. only required with the drive function air-opened – spring closed.



Assembly instructions - Profile gasket – PEEK gasket

Assembly

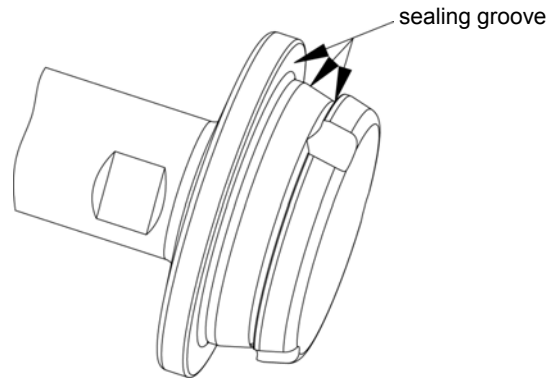
Cut the valve disc gasket with the soldering iron (soldering point temperature min. 380°C)



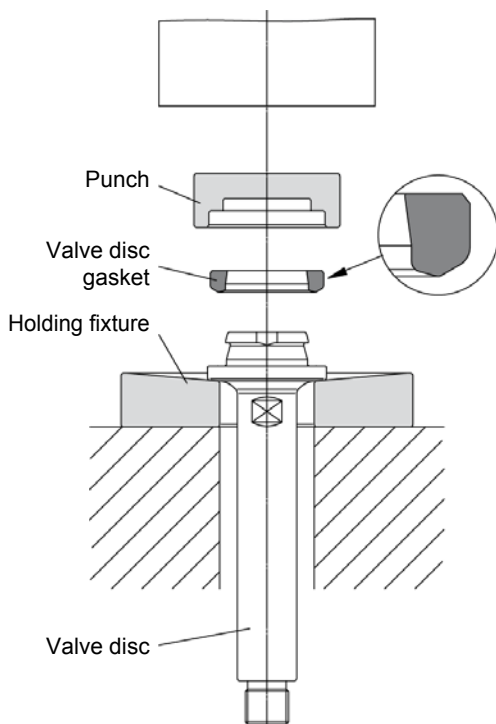
Caution

In order to avoid personal injuries and damages of the valve disc, please do not cut the valve disc gasket with a knife, a saw or something similar.

⇒ Do not damage the sealing groove



Installation



- ⇒ Tools and devices required:
 - lifting devices, press, upright drilling: hydr., pneum. or mech.
 - Punch - Order no. acc. to page 24
 - Holding fixture - Order no. acc. to page 24
- ⇒ Positioning of the holding fixture and the valve disc in the direction of the lifting acc. to the assembly drawing.
- ⇒ Insert valve disc gasket

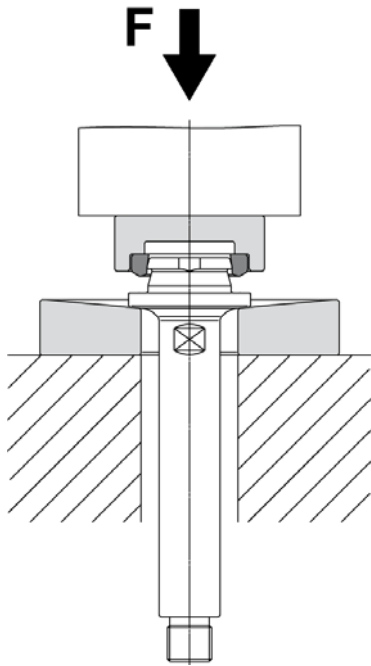


Pay attention to the installation position of the valve disc gasket !

- ⇒ Insert punch on the valve disc gasket

Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"



⇒ Attach press in a slow lifting on the punch and put it into the nut. As soon as the gasket is snapped into the nut, stop lifting immediately.



Do not press the gasket against the limit stop.

⇒ If there is a pressure against the limit stop the valve disc gasket can be damaged.



Caution

For the assembly of the valve disc gasket do NOT use a hammer.

Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

Pneum. actuator

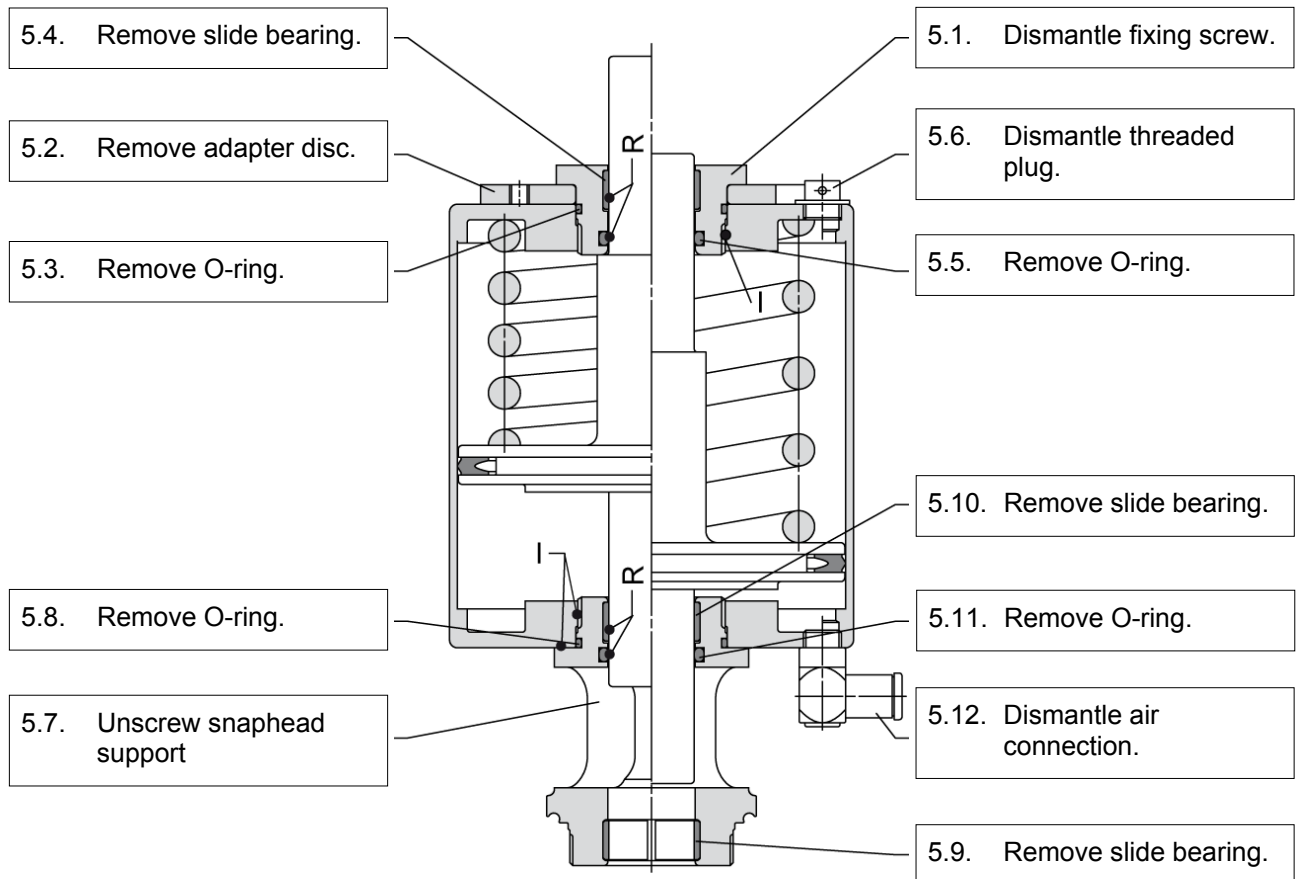
Operation: air opened – spring closed

Disassembly

In succession 5.1. – 5.12.

Assembly

In succession 5.12. – 5.1.



Grease chart

- R = Flowing-on RENOLIT SI 410 M with a brush on the marked surfaces
- I = Skim IFB PW 119 with a brush on the marked surfaces

Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

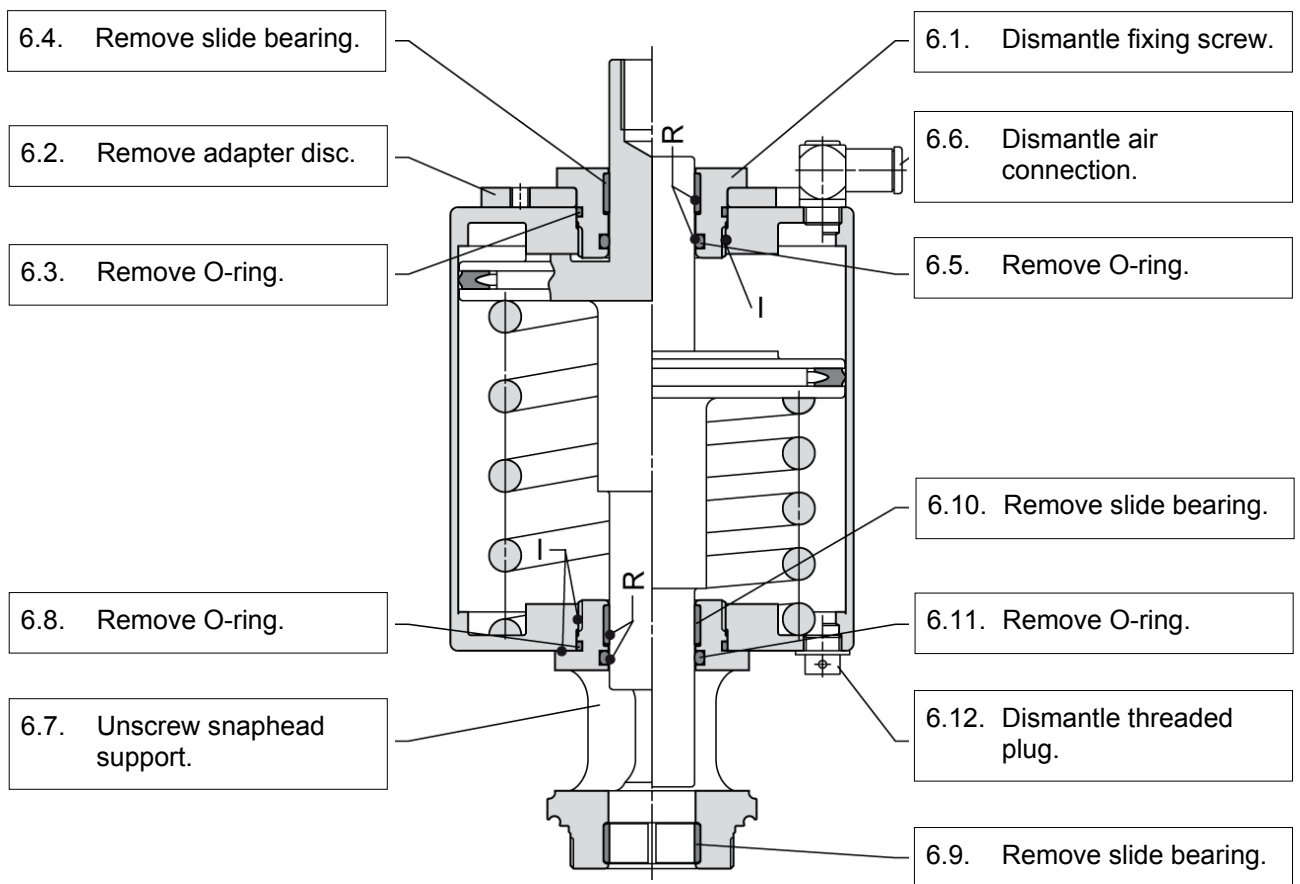
Operation: spring opened – air closed

Disassembly

In succession 6.1. – 6.12.

Assembly

In succession 6.12. – 6.1.



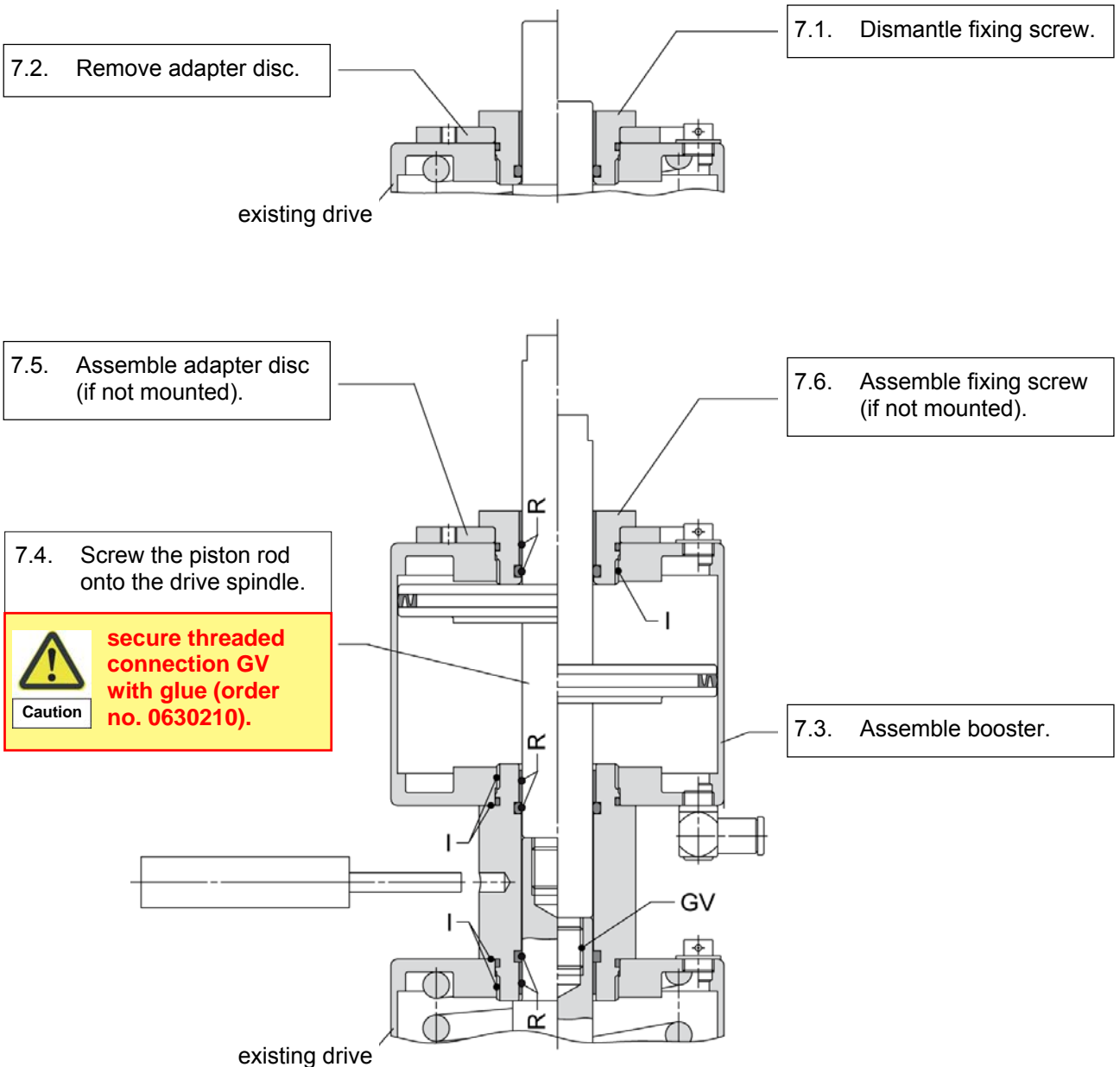
Grease chart

R = Flowing-on RENOLIT SI 410 M with a brush on the marked surfaces

I = Skim IFB PW 119 with a brush on the marked surfaces

Pneum. actuator with Booster

Mounting the booster subsequently



Grease chart

- R = Apply RENOLIT SI 410 M with a brush on the marked surfaces
- I = Skim IFB PW 119 with a brush on the marked surfaces

Disassembly

In succession 8.1. – 8.16.

Assembly

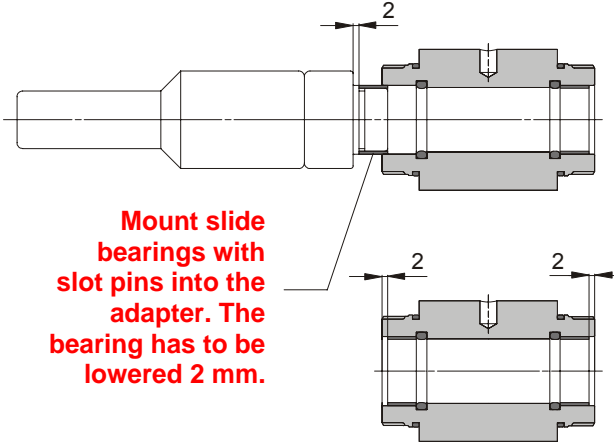
In succession 8.16. – 8.1.

Assemble slide bearings into adapter



Caution

Mount slide bearings with slot pins into the adapter. The bearing has to be lowered 2 mm.



Grease chart

R = Apply RENOLIT SI 410 M with a brush on the marked surfaces

I = Skim IFB PW 119 with a brush on the marked surfaces

8.5. Remove slide bearing.

8.3. Remove O-ring.

8.2. Remove adapter disc.

8.9. Dismantle booster.

8.13. Remove O-ring.

8.11. Remove O-ring.

8.14. Remove O-ring.

8.16. Remove O-ring.

8.6. Dismantle piston rod.



Caution

secure threaded connection GV with glue (order no. 0630210) during assembly.

8.1. Dismantle fixing screw.

8.7. Dismantle threaded plug.

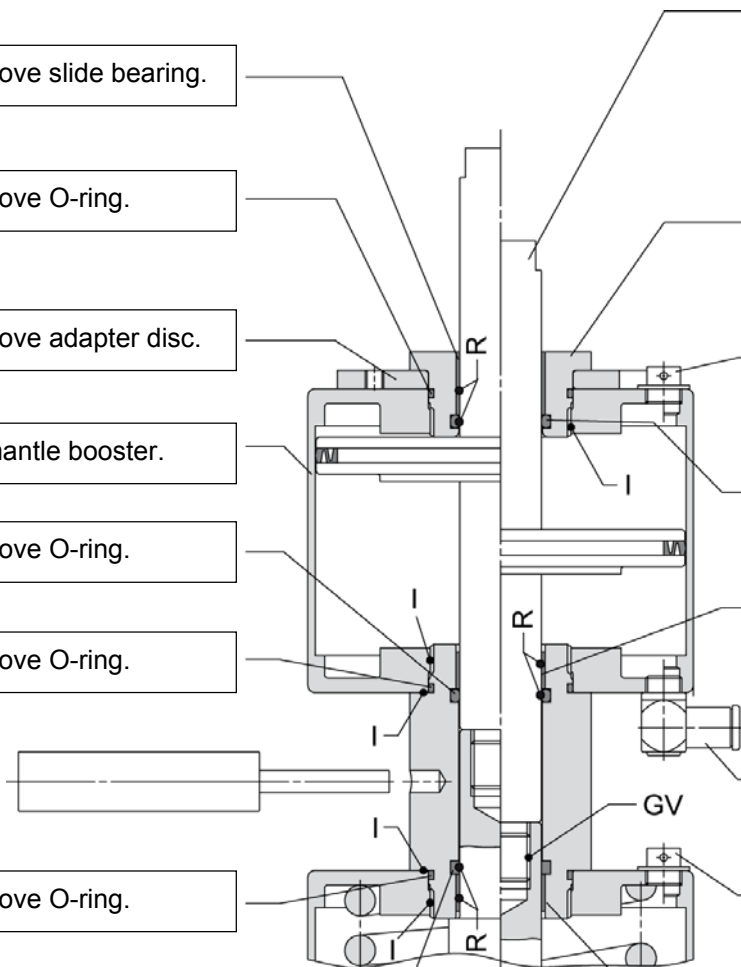
8.4. Remove O-ring.

8.12. Remove slide bearing.

8.8. Dismantle air connection.

8.10. Dismantle adapter.

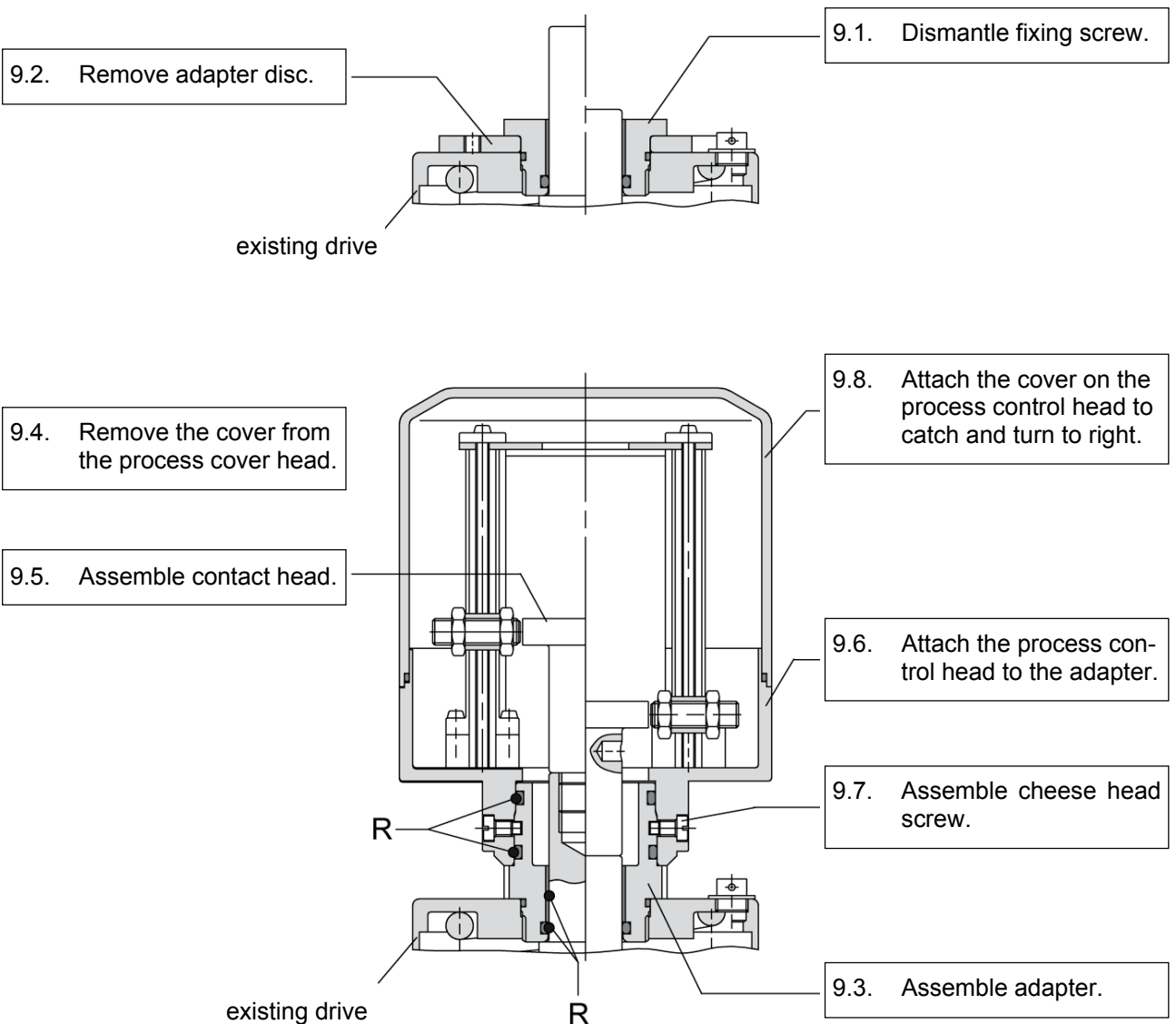
8.15. Remove slide bearing.



Assembly process-control head type 1066

Grease chart

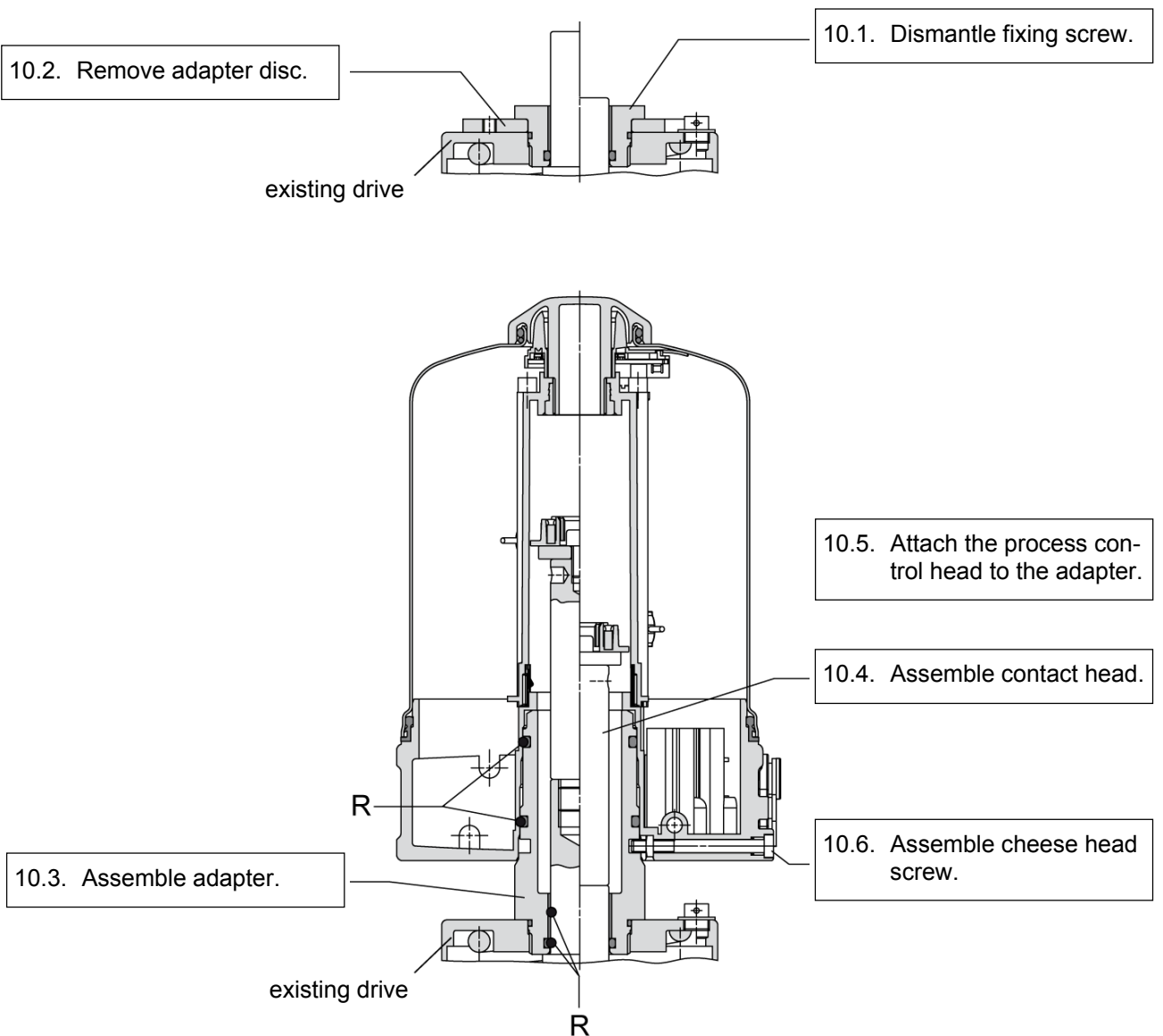
R = Apply RENOLIT SI 410 M with a brush on the marked surfaces



Assembly process-control head IntelliTop® type 8680

Grease chart

R = Apply RENOLIT SI 410 M with a brush on the marked surfaces



Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

Start-up



- ⇒ **Ensure that no foreign objects are present in the piping system.**
- ⇒ **Avoid temperature shock!
Component should be heated up carefully till operating temperature is achieved.**

Functional test

Manual version

Test valve by actuating the manual drive.
System must be cleaned before the first product run.

Pneumatic version

Multiple switching of the valve by means of actuation with compressed air.
System must be cleaned before the first product run.

Leak test

Check visually that all seals are free from leaks.
Defective seals must be replaced.

Maintenance

Before maintenance



- ⇒ **Depressurize piping system, drain all liquid and shut off control air supply.**
- ⇒ **Preload closing springs with auxiliary assembly air when removing the actuator of spring-closed valves .**
- ⇒ **if the closing springs are not preloaded when removing the actuator, there might be danger of injury when the clamping joint is loosened because the drive releases spring tension.**
- ⇒ **Pay due regard to the electric supply voltage; switch off the power supply if necessary.**
- ⇒ **Maintenance work must be carried out by qualified and trained personnel only.**

Inspection

Südmo valves do not special maintenance. Between maintenance intervals, however, the seal tightness and correct operation should be verified by means of a periodic visual inspection.

Preventive maintenance

Practice-oriented maintenance intervals can only be determined by the respective user/operator as they are dependent on the following application parameters:

- ⇒ Operating frequency
- ⇒ Switching intervals
- ⇒ Type of product
- ⇒ Type of cleaning (CIP / SIP)

We can recommend the following data as guide values:

- ⇒ for liquids with solid particles and temperatures of 80 °C to 100 °C approx. every 3 – 6 months
- ⇒ for liquids with solid particles and temperatures of 60 °C approx. every 12 months
- ⇒ for liquids without solid particles and with temperatures of max. 60 °C approx. every 24 months.

In cleaning systems, intervals of 12 months are recommended.

The intervals stated above are, of course, based on the assumption that the seal materials are sufficiently chemical-resistant.

Disorder - trouble shooting



- ⇒ **Never touch the valve or piping system when hot products are in processing or during sterilization.**
- ⇒ **Observe strictly the technical data**
- ⇒ **We cannot be held liable for an incorrect use of the valve**

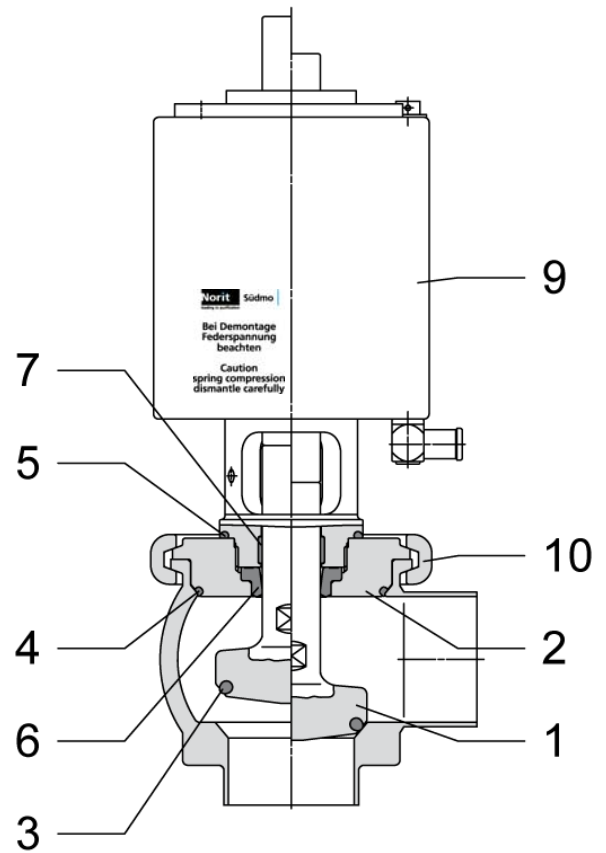
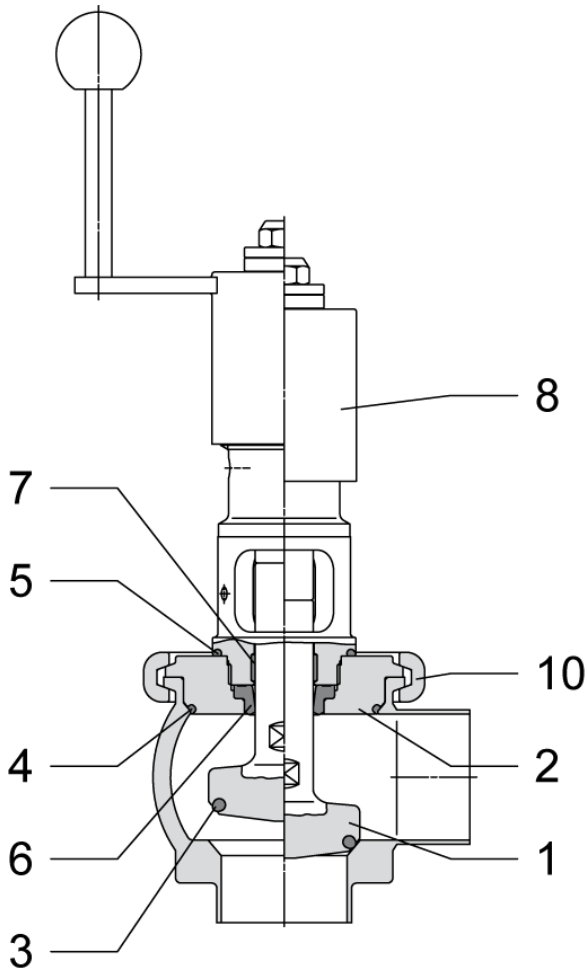


- ⇒ **In the event of disorders immediately deactivate the valve and secure it against inadvertent reactivation.**
- ⇒ **Defects may only be rectified by qualified personnel observing the safety instructions.**

Disorder	Cause	Trouble shooting
Valve does not work	⇒ Error in the control system	⇒ Check the plant configuration
	⇒ no compressed air ⇒ air pressure too low	⇒ check the air supply ⇒ Check the air hoses for free passage and leaks
	⇒ Error in the electric system	⇒ Check actuation / process control head and routing of electric lines
	⇒ Solenoid valve damaged	⇒ Replace the solenoid valve
Discharge of air from the actuator	⇒ faulty gaskets at the spindle	⇒ change gaskets
	⇒ faulty gasket in the actuator	⇒ change actuator cylinder
Valve does not close	⇒ Dirt / foreign materials in the seal area	⇒ Clean valve housing and seal area closing sleeve and valve disc
Valve closes too slow	⇒ Actuator seals dry (friction losses)	⇒ Grease the seals - Note grease plan
Leakage on the support or stem extension	⇒ defective gaskets	⇒ change gaskets
Valve closes jerkily	⇒ Seals dry (friction losses)	⇒ Grease the seals - Note grease plan
		⇒ Replace seals

List of spare parts

SVP valve - Profile gasket – O-ring



Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

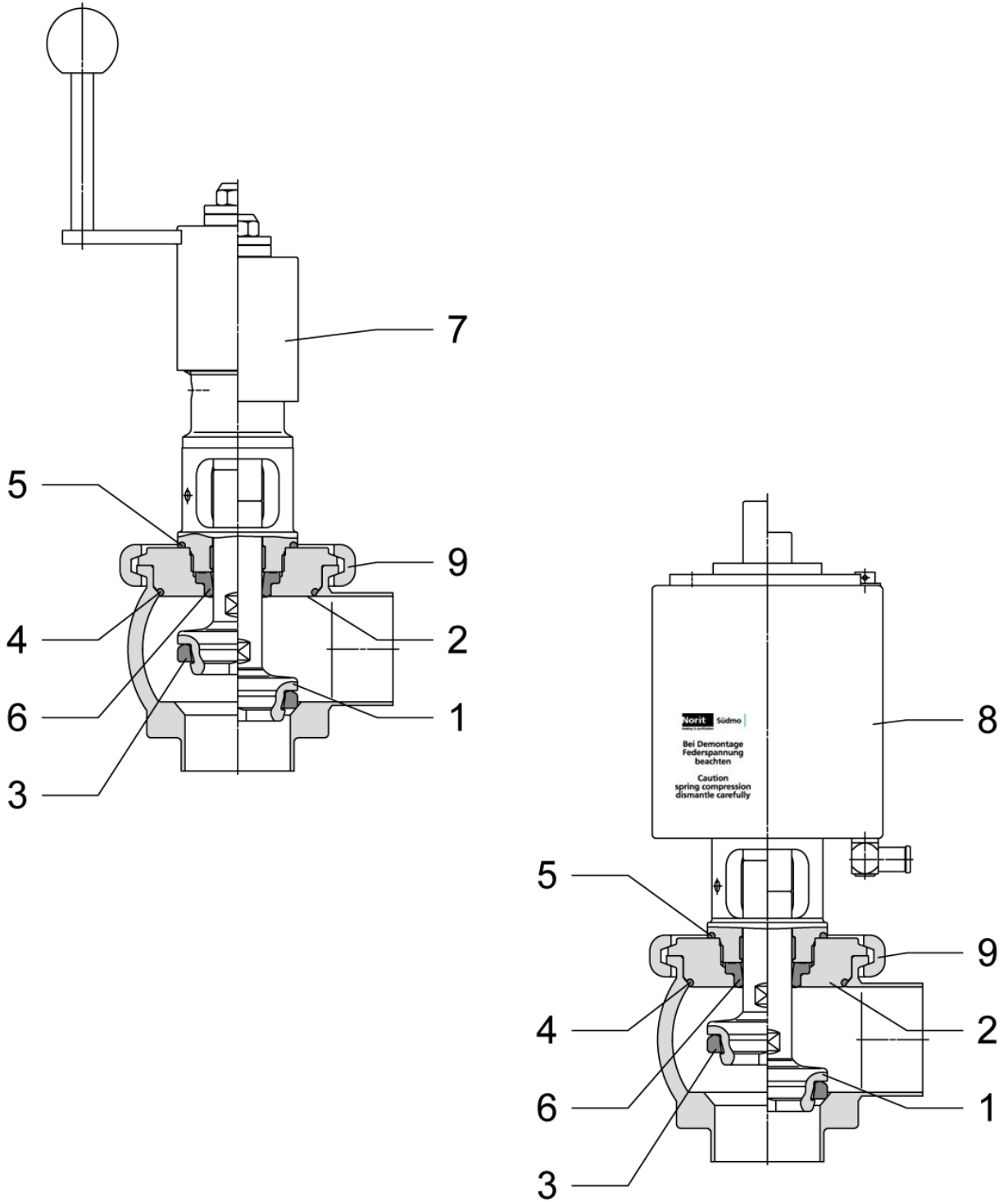
Pos.	Pcs.	Denomination	Material		Order no.		Order no.
1	1	Valve disc	1.4404	DN 25 / DN 1"	2132016	DN 40 / DN 1 1/2"	2132017
2	1	Support	1.4404		2131965		2131965
3	1	O-ring *	EPDM		0029645		2100530
4	1	O-ring *	EPDM		0939355		0939355
5	1	O-ring *	EPDM		0962118		0962118
6	1	Profile gasket *	EPDM		2103016		2103016
7	1	Slide bearing *	PEEK		2131741		213741
8	1	Manual drive					
9	1	Pneum. actuator					
		Air opened – spring closed			2131736		2131736
		Spring opened – air closed					
10	1	Clamp	1.4301		0034447	0034447	
	1	Compl. set of gaskets consist. of: *	EPDM		2132024		2132025
1	1	Valve disc	1.4404	DN 50 / DN 2"	2131742	DN 65 / DN 2 1/2"	2131967
2	1	Support	1.4404		2131744		2131964
3	1	O-ring *	EPDM		0766030		2102723
4	1	O-ring *	EPDM		0966796		0690719
5	1	O-ring *	EPDM		0962118		0962118
6	1	Profile gasket *	EPDM		2103016		2103016
7	1	Slide bearing *	PEEK		2131741		213741
8	1	Manual drive					
9	1	Pneum. actuator					
		Air opened – spring closed			2131736		2131737
		Spring opened – air closed					
10	1	Clamp	1.4301		0034587	0036590	
	1	Compl. set of gaskets consist. of: *	EPDM		2132026		2132027

Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

Pos.	Pcs.	Denomination	Material		Order no.		Order no.
1	1	Valve disc	1.4404	DN 80 / DN 3"	2131743	DN 100 / DN 4"	2132021
2	1	Support	1.4404		2131745		2131966
3	1	O-ring *	EPDM		2128484		2128485
4	1	O-ring *	EPDM		0770669		0953620
5	1	O-ring *	EPDM		0962118		0962118
6	1	Profile gasket *	EPDM		2103016		2103016
7	1	Slide bearing *	PEEK		2131741		213741
8	1	Manual drive					
9	1	Pneum. actuator					
		Air opened – spring closed			2131738		2132023
		Spring opened – air closed					
10	1	Clamp	1.4301	0034595	2125807		
	1	Compl. set of gaskets consist. of: *	EPDM	2132028	2132029		

SVP valve - Profile gasket – PEEK gasket



Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

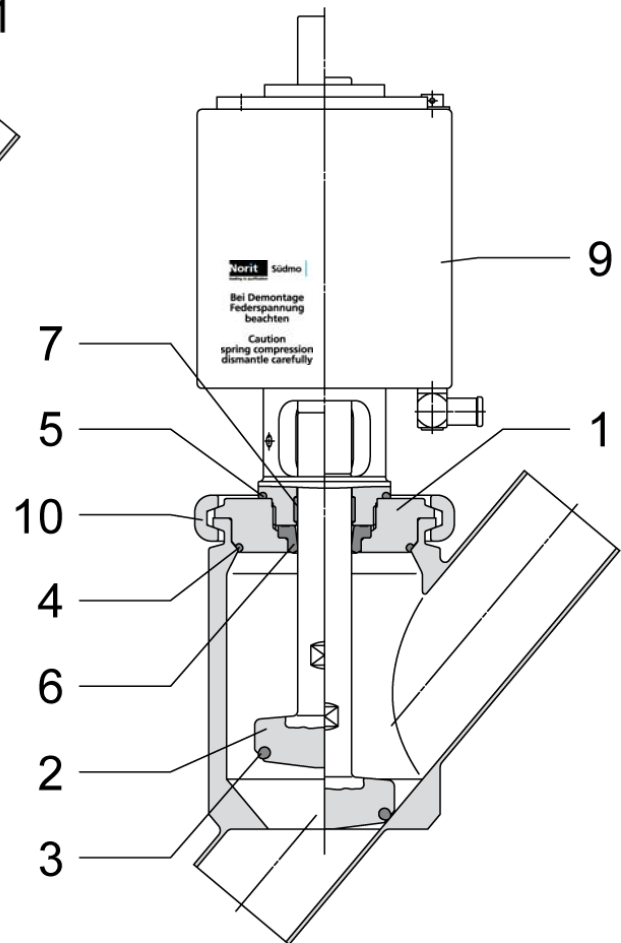
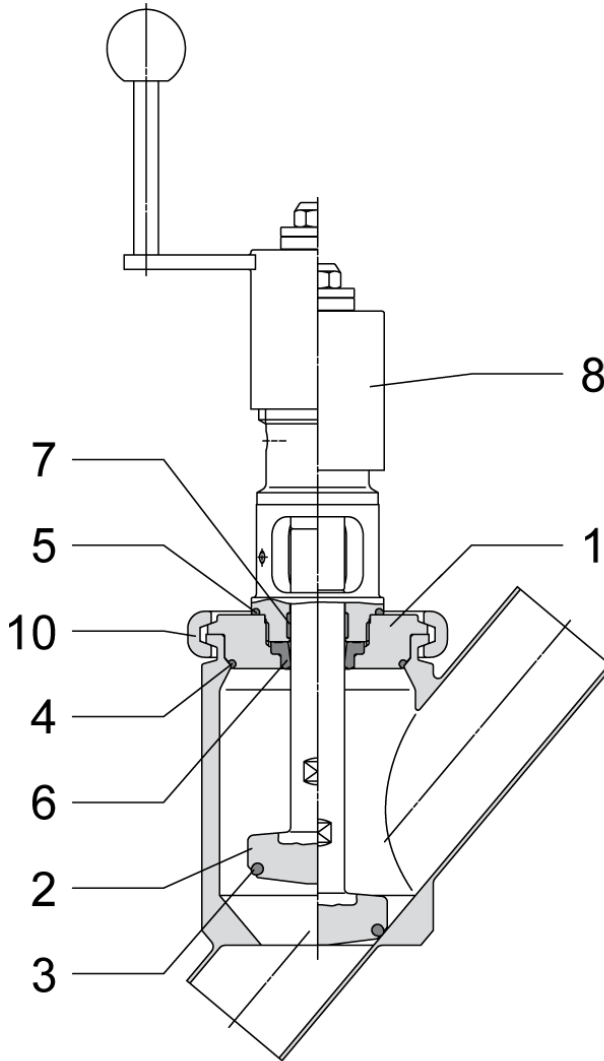
Pos.	Pcs.	Denomination	Material		Order no.		Order no.
1	1	Valve disc	1.4404	DN 25 / DN 1"	2154800	DN 40 / DN 1 1/2"	2154801
2	1	Support	1.4404		2131965		2131965
3	1	Valve disc gasket *	PEEK		2154224		2152511
4	1	O-ring *	EPDM		0939355		0939355
5	1	O-ring *	EPDM		0962118		0962118
6	1	Profile gasket *	EPDM		2103016		2103016
7	1	Slide bearing *	PEEK		2131741		213741
8	1	Manual drive					
9	1	Pneum. actuator					
		Air opened – spring closed			2131736		2131736
		Spring opened – air closed					
10	1	Clamp	1.4301		0034447	0034447	
	1	Compl. set of gaskets consist. of: *	PEEK / EPDM		2154895		2154931
1	1	Valve disc	1.4404	DN 50 / DN 2"	2154802	DN 65 / DN 2 1/2"	2154803
2	1	Support	1.4404		2131744		2131964
3	1	Valve disc gasket *	PEEK		2141955		2152479
4	1	O-ring *	EPDM		0966796		0690719
5	1	O-ring *	EPDM		0962118		0962118
6	1	Profile gasket *	EPDM		2103016		2103016
7	1	Slide bearing *	PEEK		2131741		213741
8	1	Manual drive					
9	1	Pneum. actuator					
		Air opened – spring closed			2131736		2131737
		Spring opened – air closed					
10	1	Clamp	1.4301		0034587	0036590	
	1	Compl. set of gaskets consist. of: *	PEEK / EPDM		2154932		2154933

Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

Pos.	Pcs.	Denomination	Material		Order no.		Order no.
1	1	Valve disc	1.4404	DN 80 / DN 3"	2154804	DN 100 / DN 4"	2154805
2	1	Support	1.4404		2131745		2131966
3	1	Valve disc gasket *	PEEK		2152480		2154217
4	1	O-ring *	EPDM		0770669		0953620
5	1	O-ring *	EPDM		0962118		0962118
6	1	Profile gasket *	EPDM		2103016		2103016
7	1	Slide bearing *	PEEK		2131741		213741
8	1	Manual drive					
9	1	Pneum. actuator					
		Air opened – spring closed			2131738		2132023
		Spring opened – air closed					
10	1	Clamp	1.4301		0034595	2125807	
	1	Compl. set of gaskets consist. of: *	PEEK / EPDM		2154934	2154935	

SVP angular seat valve - Profile gasket – O-ring



Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

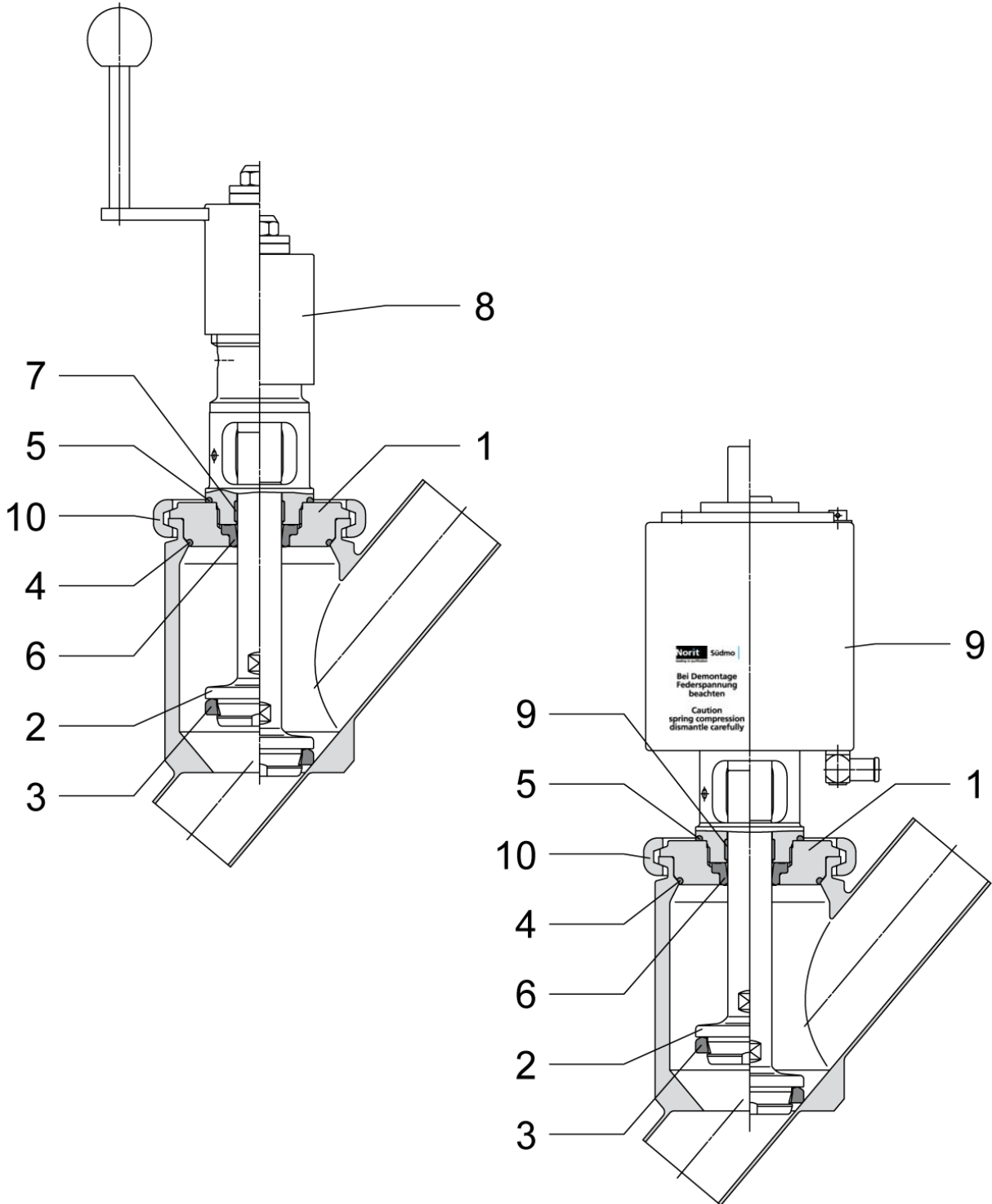
Pos.	Pcs.	Denomination	Material		Order no.		Order no.
1	1	Valve disc	1.4404	DN 25 / DN 1"	2132016	DN 40 / DN 1 1/2"	2132017
2	1	Support	1.4404		2131965		2131965
3	1	O-ring *	EPDM		0029645		2100530
4	1	O-ring *	EPDM		0939355		0939355
5	1	O-ring *	EPDM		0962118		0962118
6	1	Profile gasket *	EPDM		2103016		2103016
7	1	Slide bearing *	PEEK		2131741		213741
8	1	Manual drive					
9	1	Pneum. actuator					
		Air opened – spring closed			2131736		2131736
		Spring opened – air closed					
		Air opened – air closed					
10	1	Clamp	1.4301		0034447	0034447	
	1	Compl. set of gaskets consist. of: *	EPDM		2132024		2132025
1	1	Valve disc	1.4404	DN 50 / DN 2"	2131742	DN 65 / DN 2 1/2"	2131967
2	1	Support	1.4404		2131744		2131964
3	1	O-ring *	EPDM		0766030		2102723
4	1	O-ring *	EPDM		0966796		0690719
5	1	O-ring *	EPDM		0962118		0962118
6	1	Profile gasket *	EPDM		2103016		2103016
7	1	Slide bearing *	PEEK		2131741		213741
8	1	Manual drive					
9	1	Pneum. actuator					
		Air opened – spring closed			2131736		2131737
		Spring opened – air closed					
		Air opened – air closed					
10	1	Clamp	1.4301		0034587	0036590	
	1	Compl. set of gaskets consist. of: *	EPDM		2132026		2132027

Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

Pos.	Pcs.	Denomination	Material		Order no.		Order no.
1	1	Valve disc	1.4404	DN 80 / DN 3"	2131743	DN 100 / DN 4"	2132021
2	1	Support	1.4404		2131745		2131966
3	1	O-ring *	EPDM		2128484		2128485
4	1	O-ring *	EPDM		0770669		0953620
5	1	O-ring *	EPDM		0962118		0962118
6	1	Profile gasket *	EPDM		2103016		2103016
7	1	Slide bearing *	PEEK		2131741		213741
8	1	Manual drive					
9	1	Pneum. actuator					
		Air opened – spring closed			2131738		2132023
		Spring opened – air closed					
		Air opened – air closed					
10	1	Clamp	1.4301		0034595	2125807	
	1	Compl. set of gaskets consist. of: *	EPDM		2132028	2132029	

SVP angular seat valve - Profile gasket – PEEK gasket



Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

Pos.	Pcs.	Denomination	Material		Order no.		Order no.
1	1	Valve disc	1.4404	DN 25 / DN 1"	2154906	DN 40 / DN 1 1/2"	2154907
2	1	Support	1.4404		2131965		2131965
3	1	Valve disc gasket *	PEEK		2154224		2152511
4	1	O-ring *	EPDM		0939355		0939355
5	1	O-ring *	EPDM		0962118		0962118
6	1	Profile gasket *	EPDM		2103016		2103016
7	1	Slide bearing *	PEEK		2131741		213741
8	1	Manual drive					
9	1	Pneum. actuator					
		Air opened – spring closed			2131736		2131736
		Spring opened – air closed					
10	1	Clamp	1.4301		0034447	0034447	
	1	Compl. set of gaskets consist. of: *	PEEK / EPDM		2154895		2154931
1	1	Valve disc	1.4404	DN 50 / DN 2"	2154908	DN 65 / DN 2 1/2"	2154909
2	1	Support	1.4404		2131744		2131964
3	1	Valve disc gasket *	PEEK		2141955		2152479
4	1	O-ring *	EPDM		0966796		0690719
5	1	O-ring *	EPDM		0962118		0962118
6	1	Profile gasket *	EPDM		2103016		2103016
7	1	Slide bearing *	PEEK		2131741		213741
8	1	Manual drive					
9	1	Pneum. actuator					
		Air opened – spring closed			2131736		2131737
		Spring opened – air closed					
10	1	Clamp	1.4301		0034587	0036590	
	1	Compl. set of gaskets consist. of: *	PEEK / EPDM		2154932		2154933

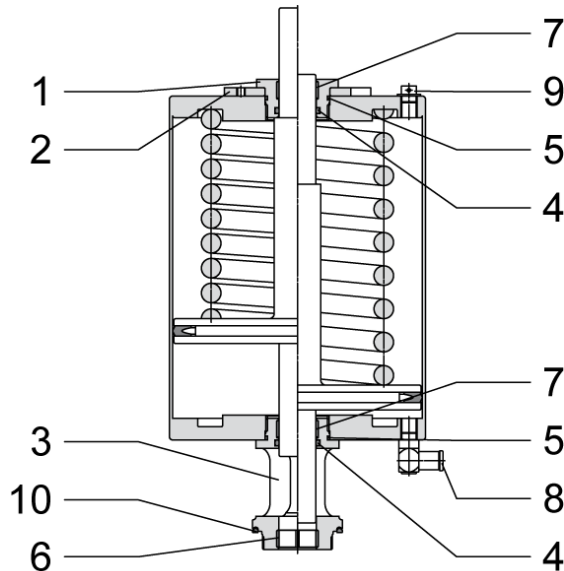
Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

Pos.	Pcs.	Denomination	Material		Order no.		Order no.
1	1	Valve disc	1.4404	DN 80 / DN 3"	2154910	DN 100 / DN 4"	2154911
2	1	Support	1.4404		2131745		2131966
3	1	Valve disc gasket *	PEEK		2152480		2154217
4	1	O-ring *	EPDM		0770669		0953620
5	1	O-ring *	EPDM		0962118		0962118
6	1	Profile gasket *	EPDM		2103016		2103016
7	1	Slide bearing *	PEEK		2131741		213741
8	1	Manual drive					
9	1	Pneum. actuator					
		Air opened – spring closed			2131738		2132023
		Spring opened – air closed					
10	1	Clamp	1.4301		0034595	2125807	
	1	Compl. set of gaskets consist. of: *	PEEK / EPDM		2154934	2154935	

Pneum. actuator

Operation: air opened – spring closed



Pos.	Pcs.	Denomination	Material		Order no.		Order no.
	1	Pneum. actuator			2131736		2131737
1	1	Fixing screw	1.4305	DN 25 - 50 / DN 1" - 2"	2131739	DN 65 / DN 2 1/2"	2131739
2	1	Adapter disc	1.4301		2128219		2128219
3	1	Snaphead support	1.4301		2131734		2131734
4	1	O-ring *	NBR		0116723		0116723
5	1	O-ring *	NBR		2128764		2128764
6	1	Slide bearing *	PEEK		2131741		213741
7	1	Slide bearing *	Iglidur		2131740		2131740
8	1	Angular screw-in-union			2116513		2116513
9	1	Threaded plug			2128550		2128550
10	1	O-ring *	EPDM		0962118		0962118
	1	Compl. set of gaskets consist. of: *			2132039		2132039

Operating instructions

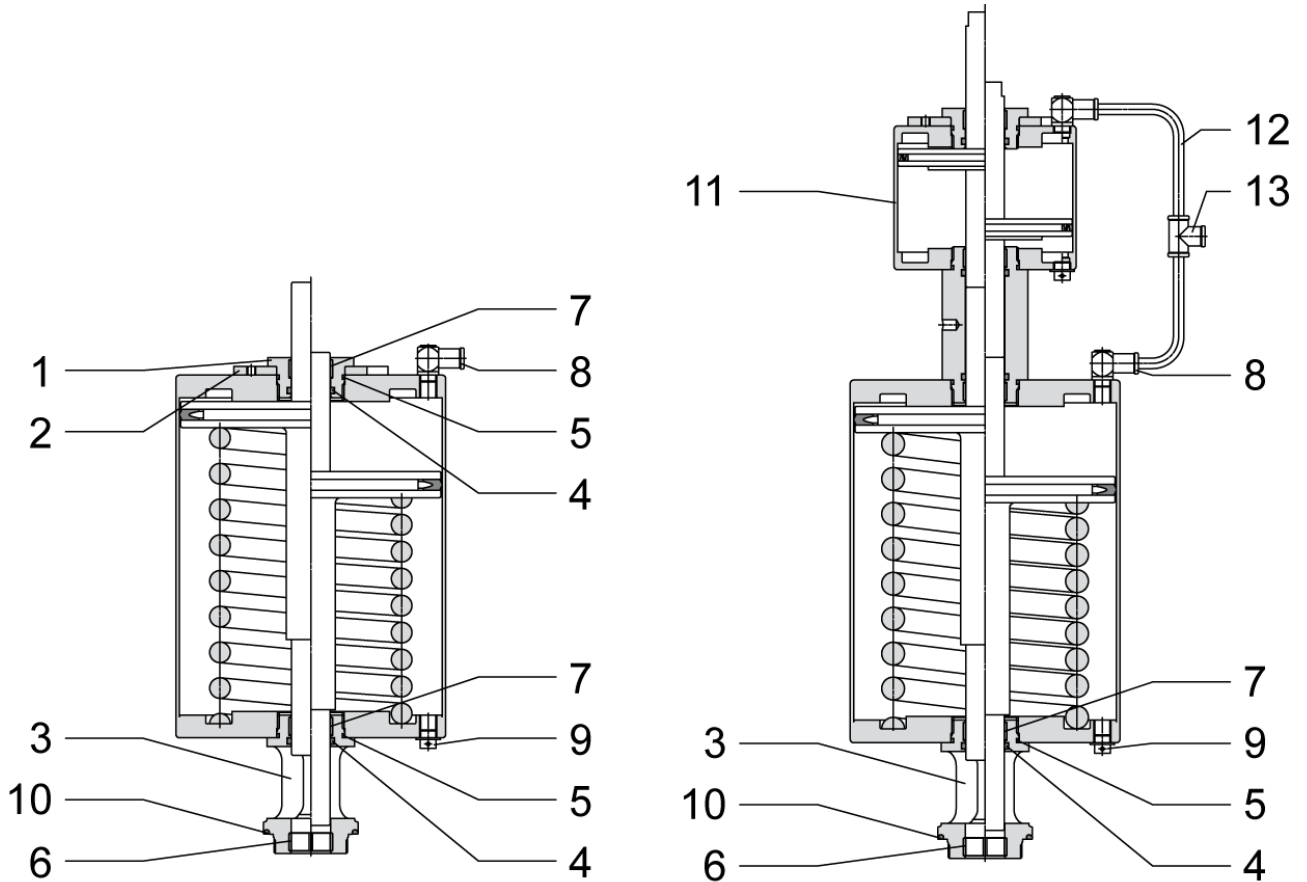
SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

Pos.	Pcs.	Denomination	Material		Order no.		Order no.
		Pneum. actuator			2131738		2132023
1	1	Fixing screw	1.4305	DN 80 / DN 3"	2131739	DN 100 / DN 4"	2131739
2	1	Adapter disc	1.4301		2128219		2128219
3	1	Snaphead support	1.4301		2131735		2131735
4	1	O-ring *	NBR		0116723		0116723
5	1	O-ring *	NBR		2128764		2128764
6	1	Slide bearing *	PEEK		2131741		2131741
7	1	Slide bearing *	Iglidur		2131740		2131740
8	1	Angular screw-in-union			2116513		2116513
9	1	Threaded plug			2128550		2128550
10	1	O-ring *	EPDM		0962118		0962118
	1	Compl. set of gaskets consist. of: *			2132039		2132039

Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

Operation: spring opened – air closed



Pos.	Pcs.	Denomination	Material	Order no.	Order no.
	1	Pneum. actuator			
1	1	Fixing screw	1.4305	2131739	2131739
2	1	Adapter disc	1.4301	2128219	2128219
3	1	Snaphead support	1.4301	2131734	2131734
4	1	O-ring *	NBR	0116723	0116723
5	1	O-ring *	NBR	2128764	2128764
6	1	Slide bearing *	PEEK	2131741	213741
7	1	Slide bearing *	Iglidur	2131740	2131740
8	1	Angular screw-in-union		2116513	2116513
9	1	Threaded plug		2128550	2128550
10	1	O-ring *	EPDM	0962118	0962118
	1	Compl. set of gaskets consist. of: *		2132039	2132039

Operating instructions

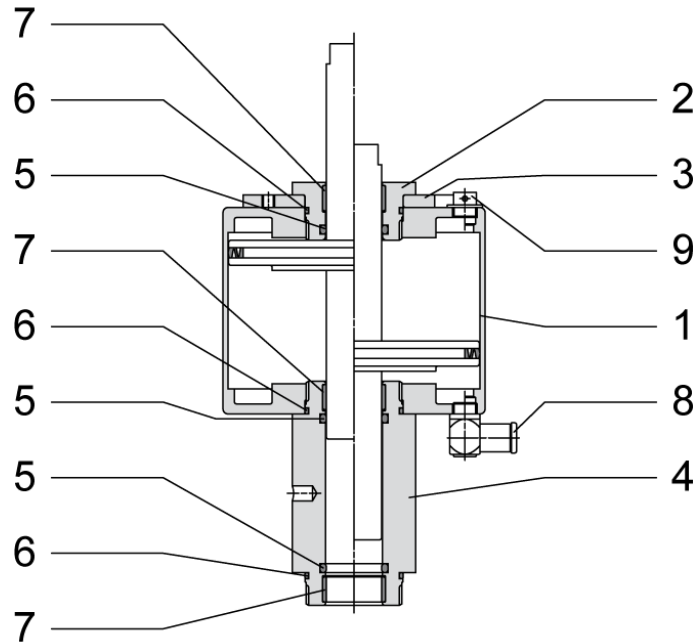
SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

Pos.	Pcs.	Denomination	Material		Order no.		Order no.
		Pneum. actuator					
1	1	Fixing screw	1.4305	DN 80 / DN 3"	2131739	DN 100 / DN 4"	-----
2	1	Adapter disc	1.4301		2128219		-----
3	1	Snaphead support	1.4301		2131735		2131735
4	1	O-ring *	NBR		0116723		0116723
5	1	O-ring *	NBR		2128764		2128764
6	1	Slide bearing *	PEEK		2131741		2131741
7	1	Slide bearing *	Iglidur		2131740		2131740
8	1	Angular screw-in-union			2116513		2116513
9	1	Threaded plug			2128550		2128550
10	1	O-ring *	EPDM		0962118		0962118
11	1	Booster			-----		
12	1	Tube			-----		
13	1	T-piece			-----		
	1	Compl. set of gaskets consist. of: *			2132039		2132039

Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

Booster



Pos.	Pcs.	Denomination	Material	Order no.	Order no.	Order no.
	1	Booster			2154327	
1	1	Cylinder			2128572	
2	1	Fixing screw	1.4301		2131739	
3	1	Adapter disc	1.4301		2128219	
4	1	Adapter	1.4301		2154326	
5	3	O-ring	* NBR		0116723	
6	3	O-ring	* NBR		2128764	
7	3	Slide bearing	* Iglidur		2131740	
8	1	Angular screw-in-union			2116513	
9	1	Threaded plug	PP		2128550	
	1	Compl. set of gaskets consist. of:	*			

DN 25 – 50 / DN 1" – 2" / DN 25-ISO – 40-ISO

DN 65 – 80 / DN 2 1/2" – 3" / DN 50-ISO – 65-ISO

DN 100 / DN 4" / DN 80-ISO

EC Manufacturer's Declaration

In accordance with the EC Machinery Directive 98/37/EG, Annex II B

We hereby declare on our own sole responsibility that the

SVP valves

Type: **S370 Select**

S380 Select

Catalogue no.: **S370 Select – S372 Select**

S380 Select

and the valve manifolds made up thereof and to which this declaration refers, meet the standard(s) and normative document(s) mentioned below.

Applied harmonized European standards

- ⇒ EN 292-1
- ⇒ EN 292-2; EN 60 204-1

Applied national standards and technical specifications

- ⇒ UVV 1.2 (VBG 121) Noise
- ⇒ UVV 10.0 (VBG 5) Power-driven work equipment

Declaration

The valve or valve manifold may not be commissioned until it has been established that the plant into which this valve or valve manifold is to be installed meets the regulations of all relevant and applicable EC directives.

Riesbürg, 19.07.2007



Directing Manager
Stephan Thomaschki

Declaration of Conformity

according to Annex VII of Directive 97/23/EC

We,

Südmo Components GmbH
Industriestraße 7
73469 Riesbürg-Pflaumloch

declare, that the product

SVP valves

Type: **S270 Select**
 S280 Select
 S370 Select
 S380 Select

Catalogue no.: **S270 Select – S272 Select**
 S280 Select
 S370 Select – S372 Select
 S380 Select

to which this declaration is referring to, is in compliance with the directive 97/23/EC and was subjected to the following conformity assessment procedure:

Module A .

Applied harmonized European standards:

- ⇒ DIN EN 10088-1
- ⇒ DIN EN 10088-2
- ⇒ DIN EN 10088-3
- ⇒ DIN EN 287-1
- ⇒ DIN EN 287-2

Applied other standards and technical specifications:

- ⇒ AD-regulations 2000
- ⇒ DIN EN 12266-1

Riesbürg, 19.07.2007



Directing Manager
Stephan Thomaschki

Additions to the declaration of conformity

1. Diameters of DN 125 and bigger are not suitable for „Products Group 1 – dangerous“ according to the definition in the pressure equipment directive „guidelines 97/23/EC“ especially „product suitability acc. to article 9“
Already mentioned dangerous products are also defined by the pressure equipment directive „Guideline 97/23/EC“ especially within the data base for dangerous substances.
2. Diameters of DN 25 and smaller are defined according to the definition of the pressure equipment directive „Guideline 97/23/EC“ article 3 paragraphe 3 – good engineering practice - and are not allowed to be marked CE.
3. Valve manifold:
The pressure test for the complete manifold cannot be made in our factory due to production reasons. This test has to be made by the customer during commissioning of the complete installation. The single valves are tested by the manufacturer.

EC manufacturer's declaration for the use in explosion area

According to the EC guideline 94/9/EG

We,

Südmo Components GmbH
Industriestraße 7
73469 Riesbürg-Pflaumloch

declare, that the product

SVP valves

Type: **S270 Select**
 S280 Select
 S370 Select
 S380 Select

Catalogue no.: **S270 Select – S272 Select**
 S280 Select
 S370 Select – S372 Select
 S380 Select

has no own potential ignition danger acc. to the EC guideline 94/9/EG article 1 considering below mentioned exceptions and supplements and therefore does not come under the EC guideline 94/9/EC.

This is only valid for valves with the following seal version:

⇒ O-ring

We would like to point out that the classification in groups, categories, zones, protections and temperature class as well as the definition of special conditions **must be defined by the operating company itself.** The following restrictions must be considered.

Exceptions and supplements

- ⇒ The use below surface must be excluded.
- ⇒ You have to take care that no loadings take place.
- ⇒ The maximum surface temperature of the component depends on the temperature of the handled substance, but pneumatic activated components can reach a surface temperature up to +80°C with an environment temperature of +40°C due to internal friction. The substances which can be handled in the component are limited by their ignition and glowing temperature.
- ⇒ These valves can be used in the categories 1, 2 and 3 as well as in all groups. The only exception is the combination of category 1 and explosion group IIC.
- ⇒ Furthermore a compensation of potential of the complete plant has to be assured.
- The surface diameter of non-conductive elements is < 80 cm²
- All non-conductive materials are covered by a conductive frame.

Applied European guidelines and standards as well as other rules

- ⇒ EN 1127-1
- ⇒ EN 13463-1
- ⇒ DIN EN 50014

Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

Applied other standards and technical specifications

- ⇒ EC guideline 94/9/EG
- ⇒ BGR 132

Parts which are not included in the operating instruction are excluded from the manufacturing declaration. In particular cases, documents have to be ordered separately.

Riesbürg, 19.07.2007



Directing Manager
Stephan Thomaschki



Operating instructions

SVP valve, manually and pneum. operated
Profile gasket – O-ring, Profile gasket – PEEK gasket
DN 25 – 100, DN 1" – 4"

Service adress

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