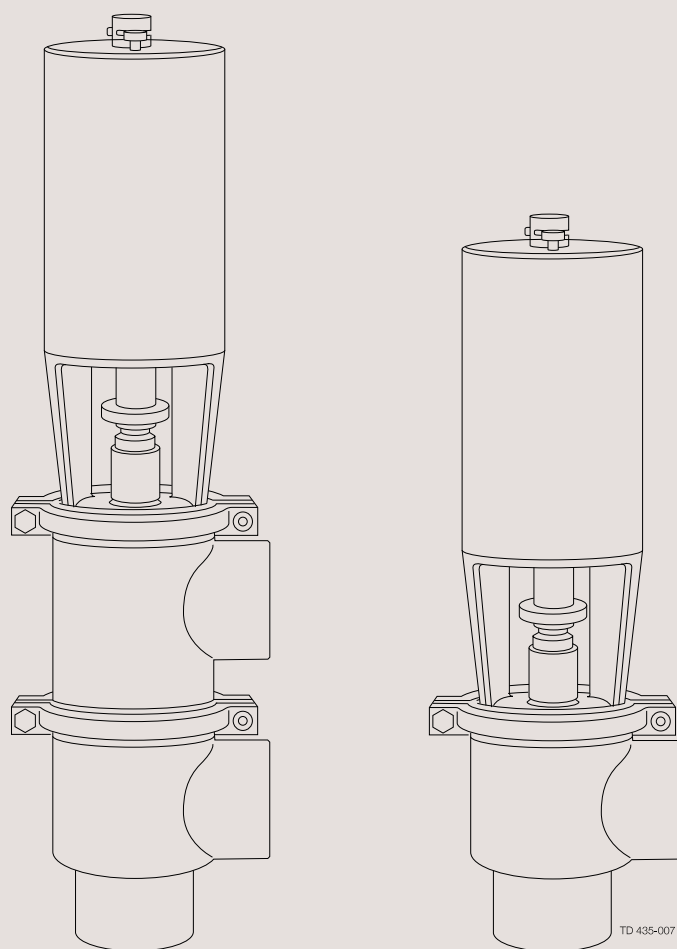




Instruction Manual

i-Series Single Seat Valve, i-SSV



ESE01585-EN3

2022-10

Original manual

The information herein is correct at the time of issue but may be subject to change without prior notice

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1 Declarations of Conformity

EU Declaration of Conformity

The Designated Company

Alfa Laval Kolding A/S, Albuen 31, DK-6000 Kolding, Denmark, +45 79 32 22 00
Company name, address and phone number


Hereby declare that

Valve
Designation

SRC 25mm on/off
Type

is in conformity with the following directives with amendments:
- Machinery Directive 2006/42/EC

The person authorised to compile the technical file is the signer of this document.

Global Product Quality Manager <small>Title</small>	Lars Kruse Andersen <small>Name</small>
Kolding, Denmark <small>Place</small>	2022-10-01 <small>Date (YYYY-MM-DD)</small>
	 <small>Signature</small>

This Declaration of Conformity replaces Declaration of Conformity dated 2016-06-01



1 Declarations of Conformity

UK Declaration of Conformity

The Designated Company

Alfa Laval Kolding A/S, Albuen 31, DK-6000 Kolding, Denmark, +45 79 32 22 00

Company name, address and phone number

Hereby declare that

Valve

Designation

SRC 25mm on/off

Type

is in conformity with the following directives with amendments:

- The Supply of Machinery (Safety) Regulations 2008

Signed on behalf of: Alfa Laval Kolding A/S

Global Product Quality Manager

Title

Lars Kruse Andersen

Name

Kolding, Denmark

Place

2022-10-01

Date (YYYY-MM-DD)

Signature

DoC Revison_01_102022

UK
CA



2 Safety

*Unsafe practices and other important information are emphasized in this manual.
Warnings are emphasized by means of special signs.*

2.1 Important information

Always read the manual before using the valve!

WARNING

Indicates that special procedures must be followed to avoid serious personal injury.

CAUTION

Indicates that special procedures must be followed to avoid damage to the valve.

NOTE

Indicates important information to simplify or clarify procedures.

2.2 Warning signs

General warning:



Caustic agents:



All warnings in the manual are summarized on this page.

Pay special attention to the instructions below so that severe personal injury and/or damage to the valve are avoided.

2.3 Safety precautions

Installation:



Always read the technical data thoroughly

Always release compressed air after use

Never touch the clip assembly or the actuator piston rod if the actuator is supplied with compressed air (see the warning label).

Never touch the valve or the pipelines when processing hot liquids or when sterilising

Never dismantle the valve with valve and pipelines under pressure

Never dismantle the valve when it is hot

Operation:



Never dismantle the valve with valve and pipelines under pressure

Never dismantle the valve when it is hot

Always read the technical data thoroughly

Always release compressed air after use

Never touch the valve or the pipelines when processing hot liquids or when sterilising

Never touch the clip assembly or the actuator piston rod if the actuator is supplied with compressed air (see the warning label).



Always handle lye and acid with great care

Maintenance:



Always read the technical data thoroughly

Always release compressed air after use

Never service the valve when it is hot

Never service the valve with valve and pipelines under pressure

Never stick your fingers through the valve ports if the actuator is supplied with compressed air

Never touch the clip assembly or the actuator piston rod if the actuator is supplied with compressed air (see the warning label).

Transportation:

Always ensure that compressed air is released

Always ensure that all connections are disconnected before attempting to remove the valve from the installation

Always drain liquid out of valves before transportation

Always use predesigned lifting points if defined

Always ensure sufficient fixing of the valve during transportation - if specially designed packaging material is available, it must be used

3 Installation

The instruction manual is part of the delivery. Study the instructions carefully.

The items refer to parts list and service kits section.

The valve is supplied as separate parts as standard (for welding).

The valve is assembled before delivery, if it is supplied with fittings.

3.1 Unpacking/delivery

Step 1

CAUTION

Alfa Laval cannot be held responsible for incorrect unpacking.

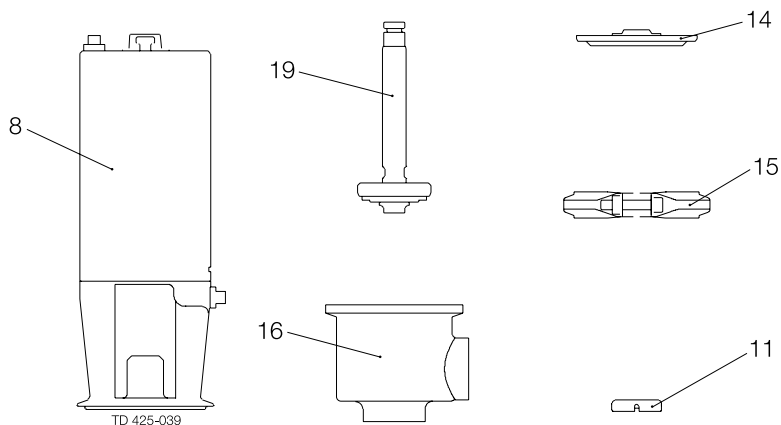
Check the delivery for:

1. Complete valve, shut-off valve or change-over valve (see steps 2 and 3).
2. Delivery note.

Step 2

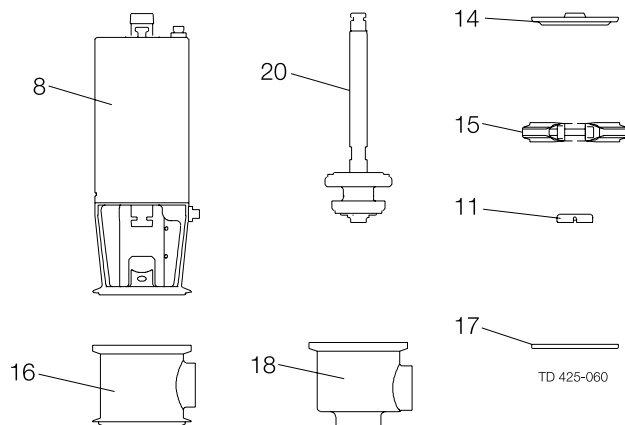
Shut-off valve:

1. Complete actuator with bonnet (8).
2. Clip assembly (11).
3. Lip seal (14).
4. Clamp (15).
5. Valve plug (19).
6. Valve body (16).



Change-over valve:

1. Complete actuator with bonnet (8).
2. Clip assembly (11).
3. Lip seal (14).
4. Two clamps (15).
5. Valve plug (20).
6. Two valve bodies (16, 18).
7. Valve body seal ring (17).



Step 3

Remove possible packing materials from the valve/valve parts.

Inspect the valve/valve parts for visible transport damages.

Avoid damaging the valve/valve parts.

Study the instructions carefully and pay special attention to the warnings!
The valve has welding ends as standard but can also be supplied with fittings.
NO = Normally open. NC = Normally closed. A/A = Air/air activated.

3.2 General installation

Step 1



Always read the technical data carefully.
See chapter 6 Technical data



Always release compressed air after use.

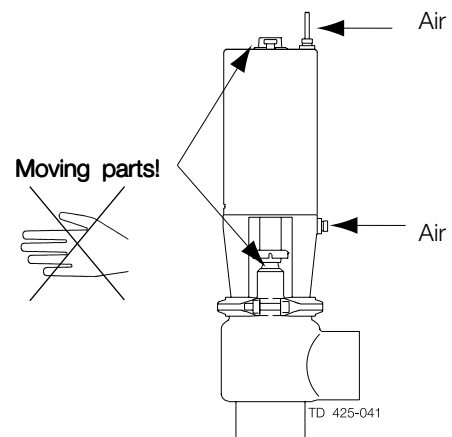
CAUTION

Alfa Laval cannot be held responsible for incorrect installation.

Step 2



Never touch the clip assembly or the actuator piston rod if the actuator is supplied with compressed air (see the warning label).

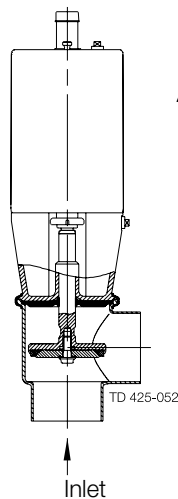


Step 3

It is recommended to install the valve so that:

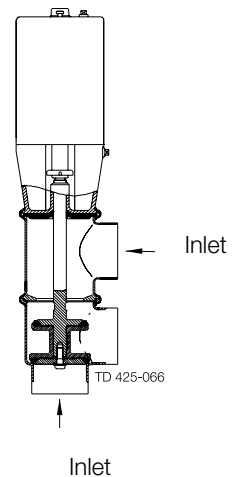
- the actuator is not turned downwards as the valve will then not be drained
- the flow is against the closing direction to avoid water hammering.

Shut-off valve



Change-over valve

Avoid water hammering!



3 Installation

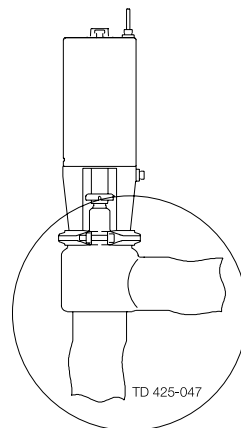
Study the instructions carefully and pay special attention to the warnings!
The valve has welding ends as standard but can also be supplied with fittings.
NO = Normally open. NC = Normally closed. A/A = Air/air activated.

Step 4

Avoid stressing the valve.

Pay special attention to:

- Vibrations.
- Thermal expansion of the pipelines.
- Excessive welding.
- Overloading of the pipelines.

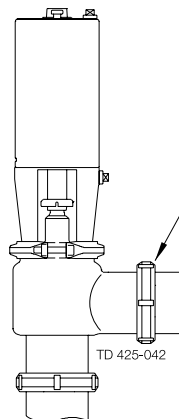


Risk of damage!

Step 5

Fittings:

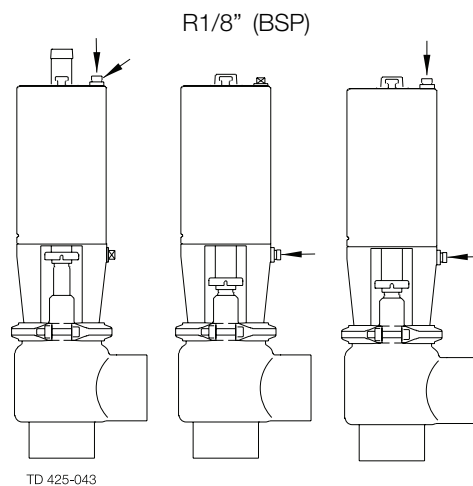
Ensure that the connections are tight.



Remember seal rings!!

Step 6

Air connection:



Study the instructions carefully.

The valve is supplied as separate parts to facilitate the welding.

The items refer to the parts list and service kits section. Check the valve for smooth operation after welding.

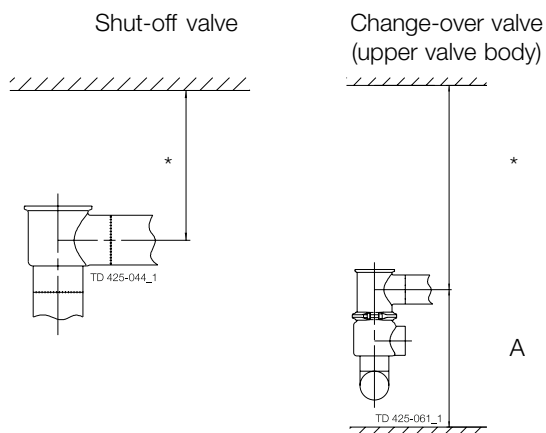
NO = Normally open. NC = Normally closed. A/A = Air/air activated.

3.3 Welding

Step 1

Always weld the valve so that the valve body seal ring can be replaced (change-over valve). Maintain the minimum clearances (A and B) so that the lower valve body and plug (change-over valve) and the actuator with the internal parts can be removed.

Valve size	A (mm) (inch)	B ₁ (mm) (inch) *	B ₂ (mm) (inch)*
DN25/25 mm	200 (7.9)	537 (21.1)	647 (25.5)
DN40/38 mm	230 (9.1)	550 (21.7)	730 (28.7)
DN50/51 mm	290 (11.4)	550 (21.7)	730 (28.7)
DN65/63.5 mm	350 (13.8)	550 (21.7)	730 (28.7)
DN80/76 mm	390 (15.4)	600 (23.6)	780 (30.7)
DN100/101.6 mm	490 (19.3)	650 (25.6)	830 (32.7)

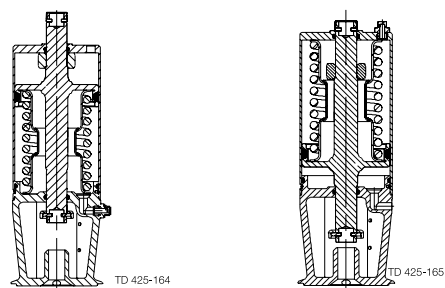


Step 2

i-SSV 25 mm shut-off valve

The 25 mm actuator is **only** for use on the i-SSV 25 mm shut-off valve.

Warning: When changing from NC to NO please note that the actuator is spring-loaded. For safety, place a "Spring-loaded" warning label (ordered from Technical Support at Alfa Laval) on the valve.

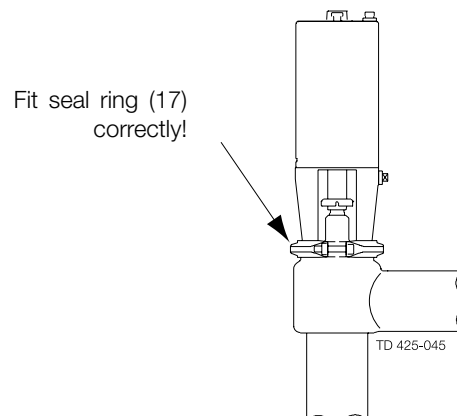


Step 3

Shut-off valve:

Assemble the valve in accordance with instructions on page 23.

Pay special attention to the warnings!



3 Installation

Study the instructions carefully.

The valve is supplied as separate parts to facilitate the welding.

The items refer to the parts list and service kits section. Check the valve for smooth operation after welding.

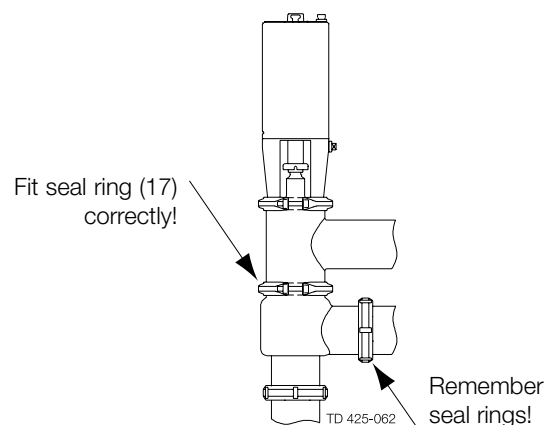
NO = Normally open. NC = Normally closed. A/A = Air/air activated.

Step 4

Change-over valve:

Assemble the valve in accordance with instructions on page 23.

Pay special attention to the warnings!

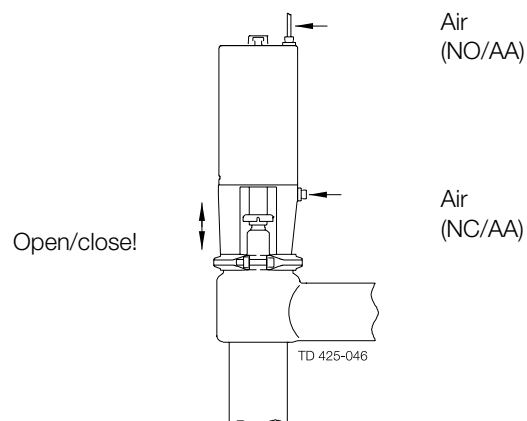


Step 5

Pre-use check:

1. Supply compressed air to the actuator.
2. Open and close the valve several times to ensure that it operates smoothly.

Pay special attention to the warnings!



Study the instructions carefully.

The valve is supplied as separate parts to facilitate the welding.

The items refer to the parts list and service kits section. Check the valve for smooth operation after welding.

NO = Normally open. NC = Normally closed. A/A = Air/air activated.

3.4 Recycling information

- **Unpacking**

- Packing material consists of wood, plastics, cardboard boxes and in some cases metal straps
- Wood and cardboard boxes can be reused, recycled or used for energy recovery
- Plastics should be recycled or burnt at a licensed waste incineration plant
- Metal straps should be sent for material recycling.

- **Maintenance**

- During maintenance oil and wear parts in the machine are replaced
- All metal parts should be sent for material recycling
- Worn out or defective electronic parts should be sent to a licensed handler for material recycling
- Oil and all non metal wear parts must be taken care of in agreement with local regulations

- **Scrapping**

- At end of use, the equipment shall be recycled according to relevant, local regulations. Beside the equipment itself, any hazardous residues from the process liquid must be considered and dealt with in a proper manner. When in doubt, or in the absence of local regulations, please contact the local Alfa Laval sales company
-

4 Operation

Study the instructions carefully and pay special attention to the warnings!

Ensure that the valve operates smoothly. The items refer to the parts list and service kits section.

NO = Normally open. NC = Normally closed. A/A = Air/air activated.

4.1 Operation

Step 6



Always read the technical data carefully.

See chapter 6 Technical data



Always release compressed air after use.

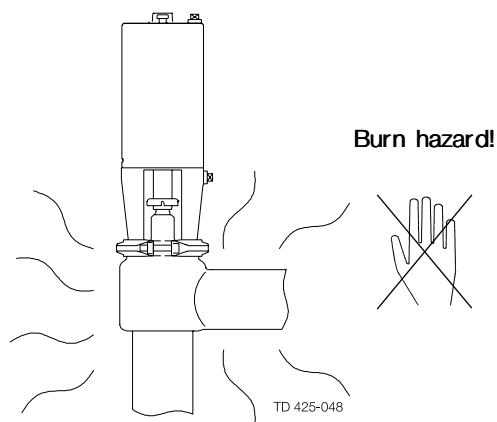
CAUTION

Alfa Laval cannot be held responsible for incorrect operation.

Step 7



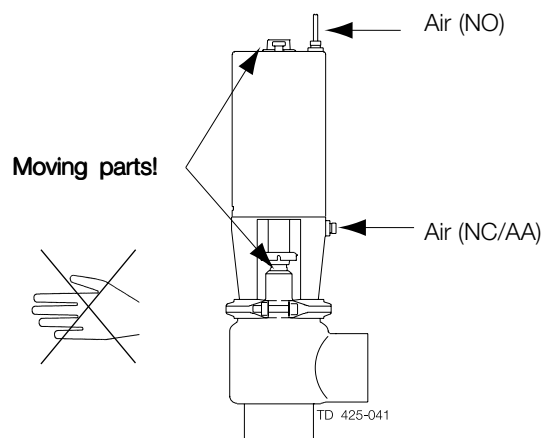
Never touch the valve or the pipelines when processing hot liquids or when sterilising.



Step 8



Never touch the clip assembly or the actuator piston rod if the actuator is supplied with compressed air (see the warning label).



Study the instructions carefully and pay special attention to the warnings!

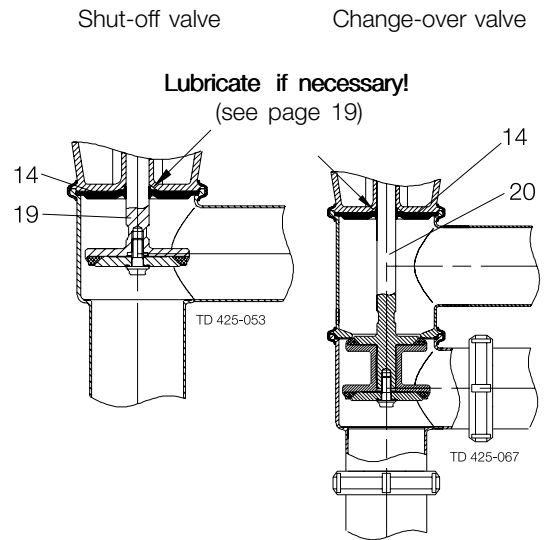
Ensure that the valve operates smoothly. The items refer to the parts list and service kits section.

NO = Normally open. NC = Normally closed. A/A = Air/air activated.

Step 9

Lubrication of valve:

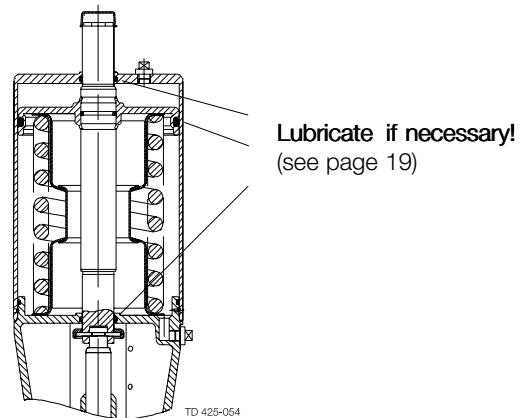
1. Ensure smooth movement between lip seal (14) and plug stem (19, 20).
2. Lubricate the lip seal with silicone oil/grease if necessary.



Step 10

Lubrication of actuator:

1. Ensure smooth movement of the actuator (the actuator is lubricated before delivery).
2. Lubricate all seals with oil/grease if necessary.



4 Operation

*Pay attention to possible faults. Study the instructions carefully.
The items refer to the parts list and service kits section.*

4.2 Troubleshooting

NOTE!

Study the maintenance instructions carefully before replacing worn parts. - See page 19!

Problem	Cause/result	Repair
The valve plug jerks	The sealings seize	Lubricate: <ul style="list-style-type: none">- O-rings (2)- O-ring (5) and the inside of cylinder (3)- Lip seal (14)
Product leakage at stem and/or clamp	Worn/product affected lip seal (14) and/or seal ring (17)	<ul style="list-style-type: none">- Replace the seals- Replace with a seals of adifferent rubber grade
Product leakage (closed valve)	<ul style="list-style-type: none">- Worn/product affected plug seal ring- Loose plug parts (vibrations)- Product deposits on the seat and/or plug	<ul style="list-style-type: none">- Replace the seal ring- Replace with a seal of a different rubber grade- Tighten the loose parts- Frequent cleaning
Product leakage (too high pressure or too small actuator)	<ul style="list-style-type: none">- Worn actuator O-rings- Too small actuator or actuator spring	<ul style="list-style-type: none">- Replace the O-rings- Replace with a larger actuator (for valve sizes DN/OD38-63.5 mm/DN40-65)- Use auxiliary air on the spring side (NOT-element)
Water hammer	The flow direction is the same as the closing direction	<ul style="list-style-type: none">- The flow direction should be against the closing direction- Use auxiliary air on the spring side (NOT-element)
The valve does not open/close	<ul style="list-style-type: none">- Faulty clip assembly (11)- The pressure on the plug is too high	<ul style="list-style-type: none">- Replace the clip assembly- Reduce the pressure

The valve is designed for cleaning in place (CIP). CIP = Cleaning In Place.
Study the instructions carefully and pay special attention to the warnings!
NaOH = Caustic Soda.
HNO₃ = Nitric acid.

4.3 Recommended cleaning

Step 1



Always handle lye and acid with great care.

Caustic danger!



Always use
rubber gloves!

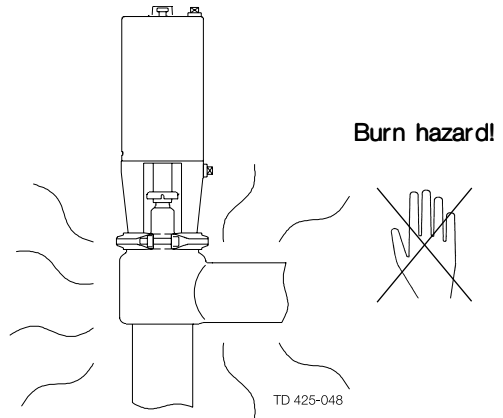


Always use
protective goggles!

Step 2

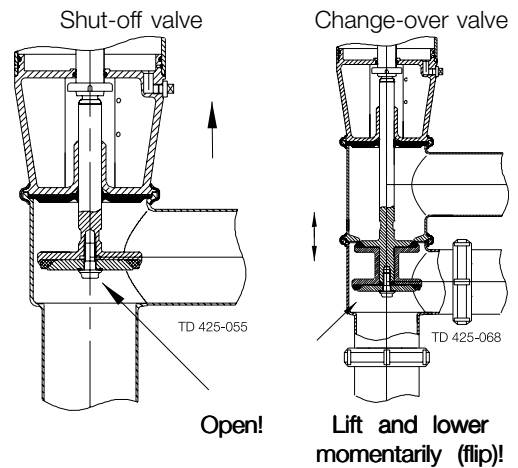


Never touch the valve or the pipelines when sterilising.



Step 3

Clean the plug and the seats correctly.
Pay special attention to the warnings!



4 Operation

The valve is designed for cleaning in place (CIP). CIP = Cleaning In Place.

Study the instructions carefully and pay special attention to the warnings!

NaOH = Caustic Soda.

HNO₃ = Nitric acid.

Step 4

Examples of cleaning agents:

Use clean water, free from chlorides.

1. 1% by weight NaOH at 70° C (158° F).

1 kg (2.2 lb) NaOH	+	100 l (26.4 gal) water	= Cleaning agent.
-----------------------	---	---------------------------	-------------------

2. 0.5% by weight HNO₃ at 70° C (158° F).

0.7 l (0.2 gal) 53% HNO ₃	+	100 l (26.4 gal) water	= Cleaning agent.
-----------------------------------------	---	---------------------------	-------------------

2.2 l (0.6 gal) 33% NaOH	+	100 l (26.4 gal) water	= Cleaning agent.
-----------------------------	---	---------------------------	-------------------

Step 5

1. Avoid excessive concentration of the cleaning agent.

Done gradually!

2. Adjust the cleaning flow to the process.

Milk sterilization/viscous liquids

Increase the cleaning flow!

3. **Always** rinse well with clean water after the cleaning.

Step 6

NOTE

The cleaning agents must be stored/disposed off in accordance with current regulations/directives.

Maintain the valve regularly.
Study the instructions carefully and pay special attention to the warnings!
Always keep spare rubber seals and lip seals in stock.

5.1 General maintenance

Step 1



Always read the technical data carefully.
See chapter 6 Technical data.



Always release compressed air after use.

NOTE

All scrap must be stored/discharged in accordance with current rules/directives.

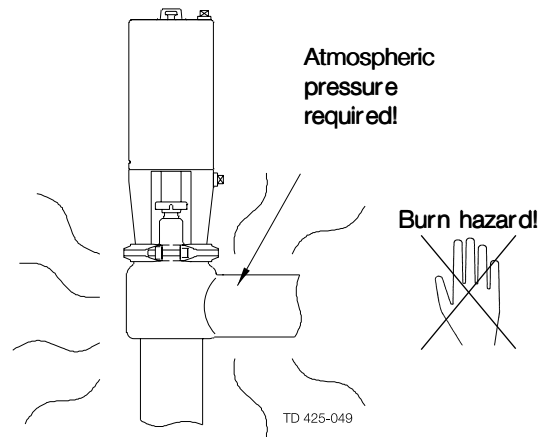
Step 2



Never service the valve when it is hot.



Never service the valve with valve and pipelines under pressure.



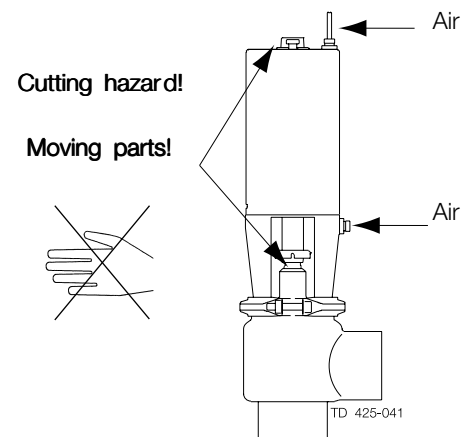
Step 3



Never stick your fingers through the valve ports if the actuator is supplied with compressed air.



Never touch the clip assembly or the actuator piston rod if the actuator is supplied with compressed air (see the warning label).



5 Maintenance

Maintain the valve regularly.

Study the instructions carefully and pay special attention to the warnings!

Always keep spare rubber seals and lip seals in stock.

Below are some guidelines for maintenance and lubrication intervals. Please note that the guidelines are for normal working conditions in one shift.

	Valve rubber seals	Valve lip seal	Actuator rubber seals
Preventive maintenance	Replace after 12 months	Replace when replacing the rubber seals	Replace after 5 years
Maintenance after leakage (leakage normally starts slowly)	Replace at the end of the day	Replace when replacing the rubber seals	Replace when possible
Planned maintenance	<ul style="list-style-type: none"> - Regular inspection for leakage and smooth operation - Keep a record of the valve - Use the statistics for planning of inspections Replace after leakage	Replace when replacing the rubber seals	<ul style="list-style-type: none"> - Regular inspection for leakage and smooth operation - Keep a record of the actuator - Use the statistics for planning of inspections Replace after leakage
Lubrication (USDA H1 approved oil/grease)	Before fitting Silicone oil or silicone grease	Before fitting Silicone oil or silicone grease	Before fitting Oil or grease

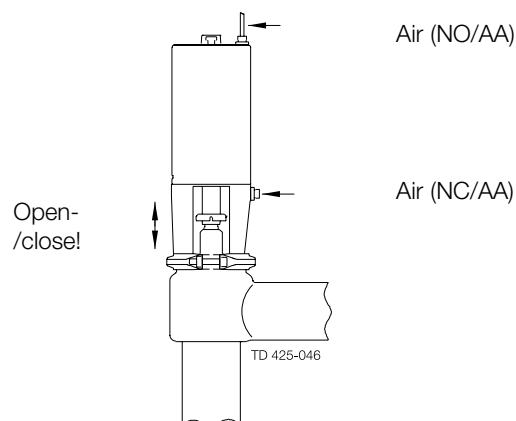
Pre-use check:

1. Supply compressed air to the actuator.
2. Open and close the valve several times to ensure that it operates smoothly.

Pay special attention to the warnings!

Recommended spare parts

Service kits (see page)



Study the instructions carefully.

The items refer to the parts list and service kits section.

Handle scrap correctly.

NC = Normally closed. NO = Normally open. A/A = Air/air activated.

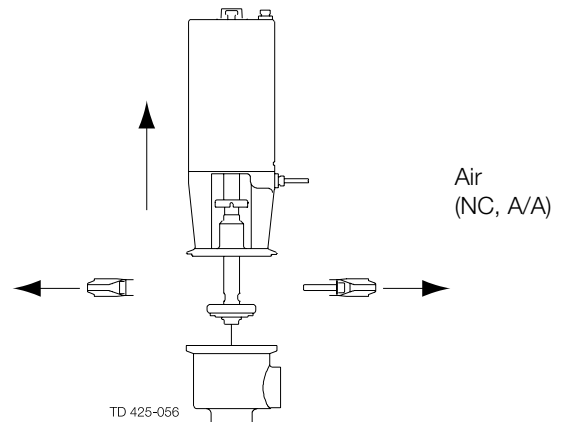
5.2 Dismantling the valve

Step 1

Shut-off valve:

1. Supply compressed air to the actuator (only NC).
2. Loosen and remove lower clamp (15).
3. Lift out the actuator.
4. Release compressed air.

Pay special attention to the warnings!

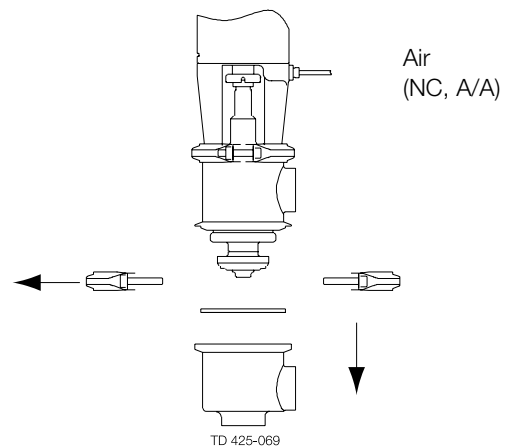


Step 2

Change-over valve:

1. Supply compressed air to the actuator (only NC).
2. Loosen and remove lower clamp (15).
3. Release compressed air (only NC).
4. Pull out seal ring (17).
5. Release compressed air.

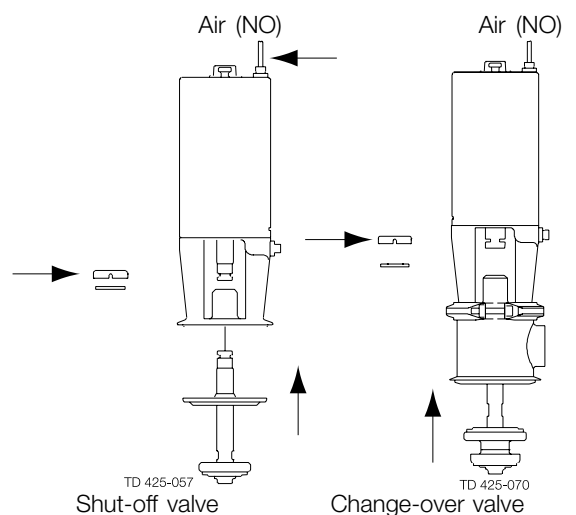
Pay special attention to the warnings!



Step 3

1. Supply compressed air to the actuator (only NO).
2. Remove clip assembly (11) by using plugs.
3. Remove valve plug (19, 20).
4. Release compressed air.

Pay special attention to the warnings!



5 Maintenance

Study the instructions carefully.

The items refer to the parts list and service kits section.

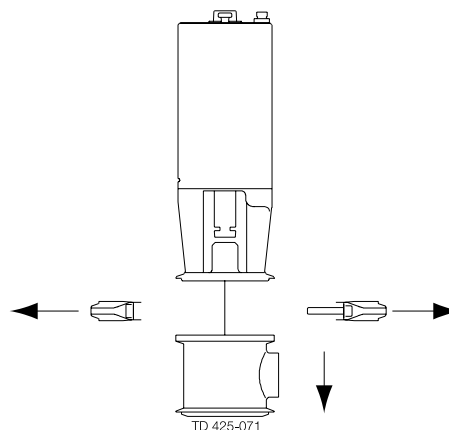
Handle scrap correctly.

NC = Normally closed. NO = Normally open. A/A = Air/air activated.

Step 4

Change-over valve:

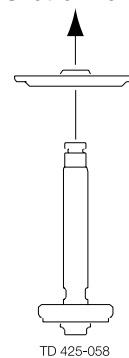
1. Remove upper clamp (15).
2. Remove upper valve body (16).



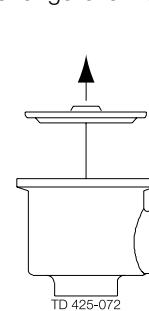
Step 5

Remove lip seal (14).

Shut-off valve



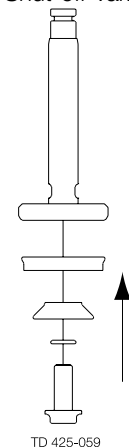
Change-over valve



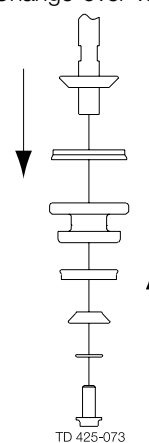
Step 6

1. Remove screw (19h, 20h).
2. Dismantle the complete valve plug.

Shut-off valve



Change-over valve

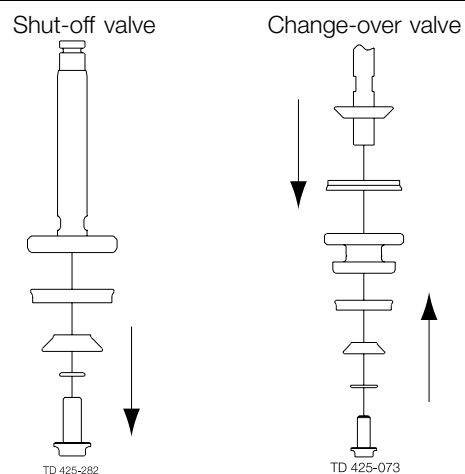


*Study the instructions carefully.
The items refer to the parts list and service kits section.
Lubricate the rubber seals and the lip seal before fitting them.
Lip seal (14) can be replaced by a special stem seal.*

5.3 Valve assembly

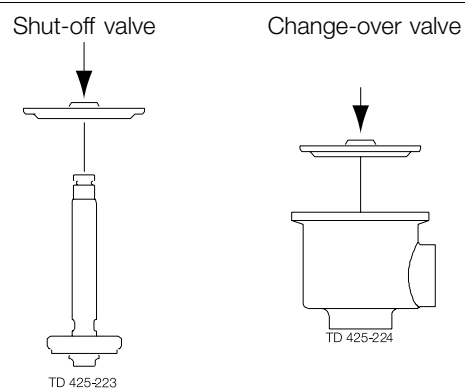
Step 1

1. Assemble the complete valve plug.
2. Fix screw (19h, 20h) by using loctite or something similar.



Step 2

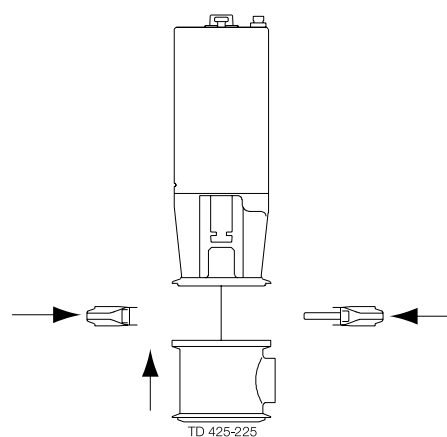
1. Fit lip seal (14).



Step 3

Change-over valve:

1. Assemble upper valve body (16) and the actuator.
2. Fit and tighten upper clamp (15).



5 Maintenance

Study the instructions carefully.

The items refer to the parts list and service kits section.

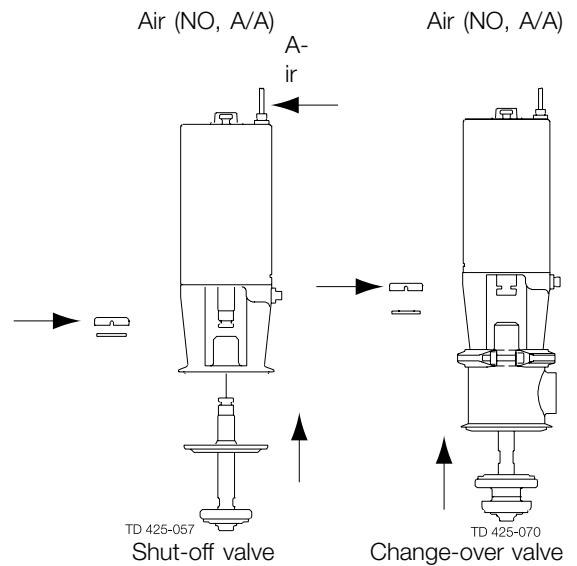
Lubricate the rubber seals and the lip seal before fitting them.

Lip seal (14) can be replaced by a special stem seal.

Step 4

1. Fit the plastic ring of clip assembly (11) on the actuator piston rod.
2. Supply compressed air to the actuator (Only NO).
3. Fit valve plug (19, 20).
4. Fit and assemble clip assembly (11) by using pliers.
5. Release compressed air.

Pay special attention to the warnings!

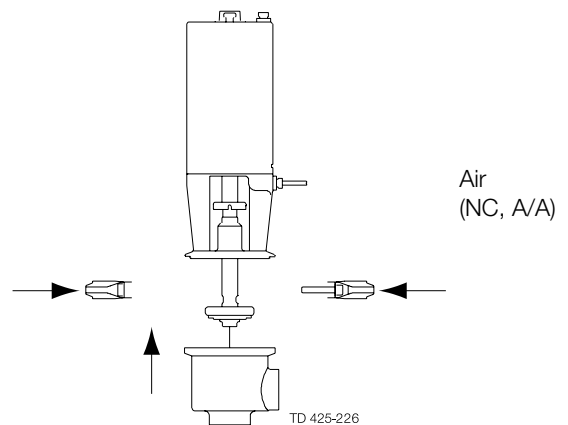


Step 5

Shut-off valve:

1. Supply compressed air to the actuator (only NC).
2. Fit the actuator.
3. Fit and tighten clamp (15).
4. Release compressed air.

Pay special attention to the warnings!

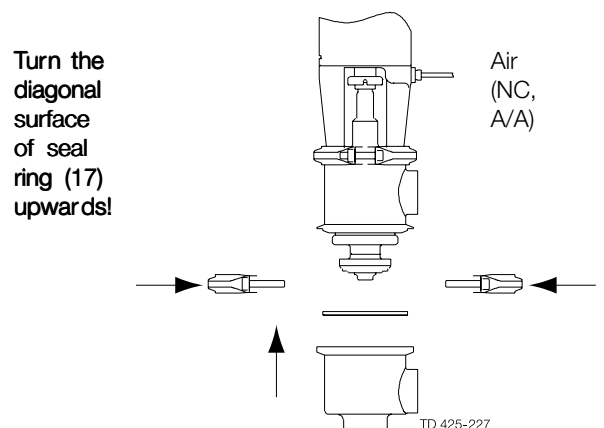


Step 6

Change-over valve:

1. Fit seal ring (17) correctly in lower valve body (18).
2. Supply compressed air to the actuator (only NC).
3. Assemble lower and upper valve bodies (16, 18).
4. Fit and tighten lower clamp (15).
5. Release compressed air.

Pay special attention to the warnings!



Study the instructions carefully.

The items refer to the parts list and service kits section. Handle scrap correctly.

NO = Normally open. NC = Normally closed. A/A = Air/air activated.

Service tool: See Spare Parts.

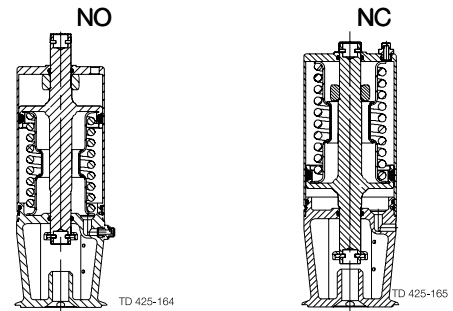
5.4 Dismantling of actuator

Step 1

25 mm shut-off valve

The 25 mm actuator is **only** for use on the 25 mm shut-off valve.

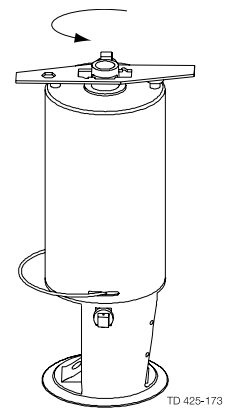
Warning: When changing from NC to NO please note that the actuator is spring-loaded. For safety, place a "Spring-loaded" warning label (ordered from Technical Support at Alfa Laval) on the valve.



Step 2

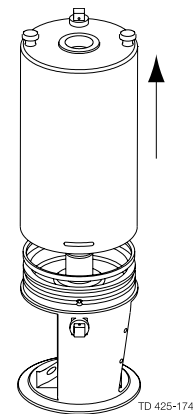
1. Rotate cylinder (3).
2. Remove lock wire (4).

Rotate cylinder
with service tool.



Step 3

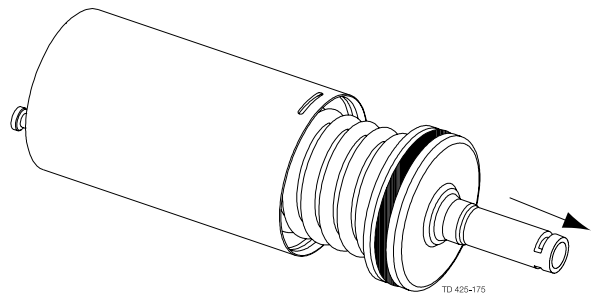
1. Remove cylinder (3).
2. Remove O-rings (2, 7) from bonnet (8) and cylinder (3).



Step 4

1. Remove piston (6) and spring assembly (10).
2. Remove O-ring (5) from the piston.

NOTE! The A/A actuator has no spring assembly.



5 Maintenance

Study the instructions carefully.

The items refer to the parts list and service kits section. Lubricate the rubber seals before fitting them.

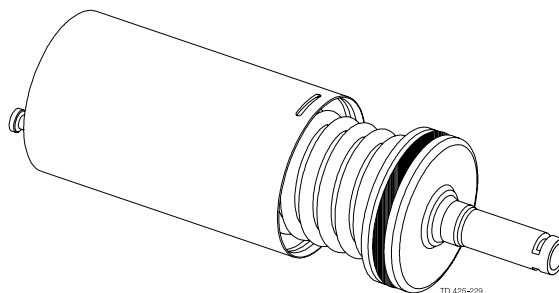
A larger actuator is available for valve sizes DN/OD38-63.5 mm. The spring assembly can be replaced by a stronger one.
A/A = Air/air activated.

5.5 Assembly of actuator

Step 1

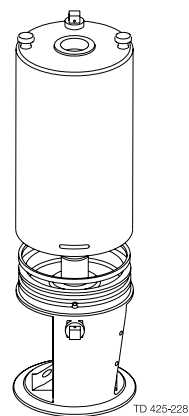
1. Fit O-ring (5) on piston (6).
2. Fit the piston and spring assembly (10).

NOTE! The A/A actuator has no spring assembly.



Step 2

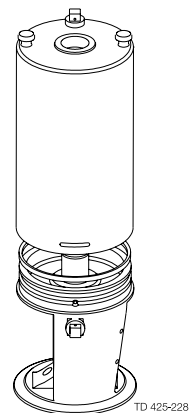
1. Fit O-rings (2, 7) in bonnet (8) and cylinder (3).
2. Fit the cylinder.



Step 3

1. Fit lock wire (4) through the slot in cylinder (3) into the hole in bonnet (8).
2. Rotate the cylinder 360° (see 4).

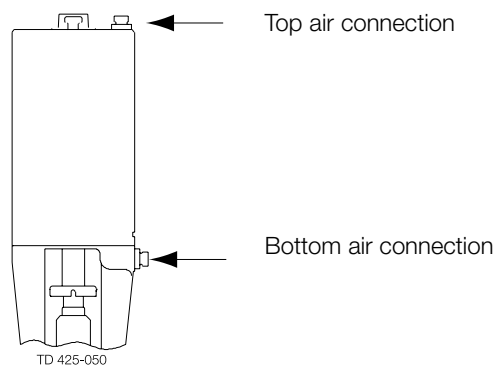
**Rotate by hand or
with the service tool!**



Step 4

NOTE!

It is recommended to rotate cylinder (3) further 180° in relation to bonnet (8) so that the top and bottom air connections are fixed on the same side.



It is important to observe the technical data during installation, operation and maintenance.

Inform the personnel about the technical data.

NO = Normally open.

NC = Normally closed.

6.1 Technical data

Data - valve/actuator	
Max. product pressure	1000 kPa (10 bar) (145 psi)
Min. product pressure	Full vacuum
Temperature range, standard lip seal	-10°C to + 100°C (EPDM)
Temperature range, special lip seal	-10°C to + 140°C (EPDM)
Air pressure, actuator	500 to 700 kPa (5 to 7 bar) (72.5 to 101.5 psi)
Materials - valve/actuator	
Product wetted steel parts	Acid-resistant steel AISI 304L
Finish	Semi bright
Other steel parts	Stainless steel AISI 304
Plug stem	AISI 304L with hard chrome plated stem surface
Product wetted seals	EPDM (standard)
Other seals	NBR
Alternative product wetted seals	NBR and FPM, PTFE/FEP

Noise

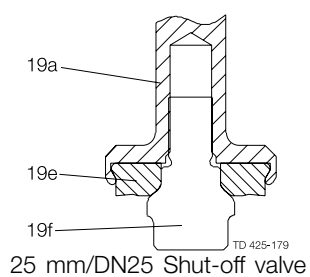
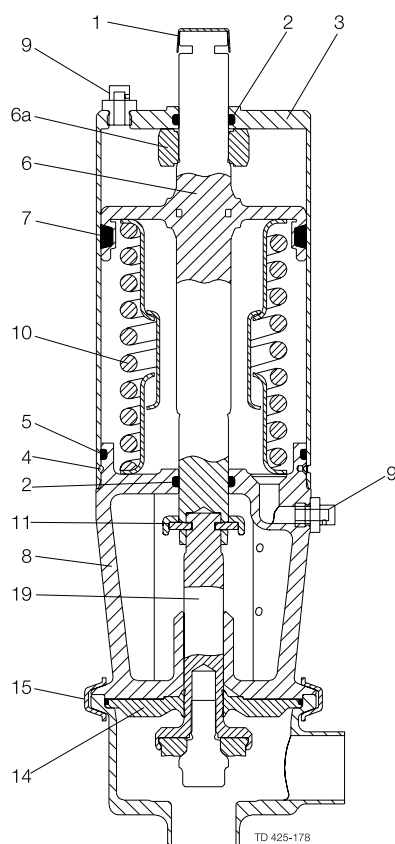
One meter away from - and 1.6 meter above the exhaust the noise level of a valve actuator will be approximately 77db(A) without noise damper and approximately 72 db(A) with damper - Measured at 7 bars air-pressure.

7 Parts list and service kits

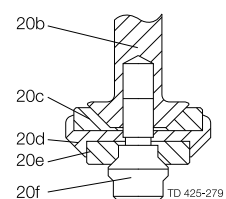
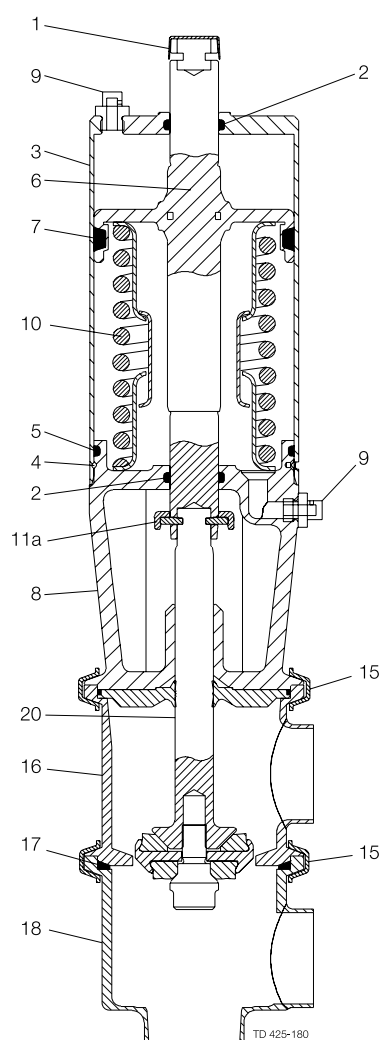
The drawing shows i-SSV, shut-off and change-over valves 25mm/DN 25.

The items refer to the parts lists in the following sections

7.1 Drawing , i-SSV 25mm/DN25



25 mm/DN25 Shut-off valve

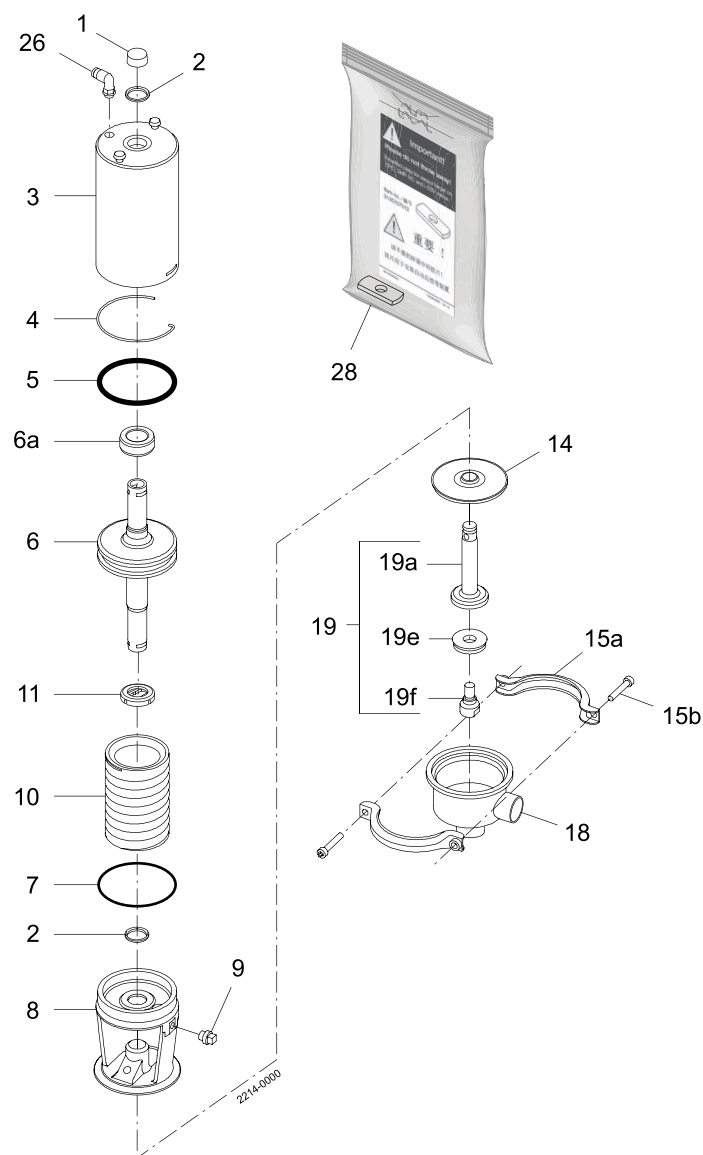


25 mm/DN25 Change-over Valve

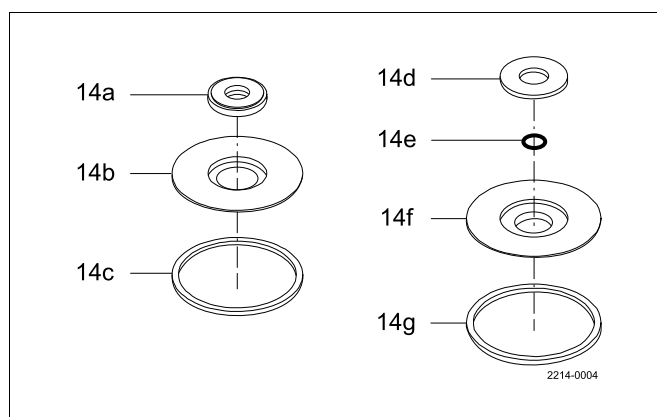
7 Parts list and service kits

The drawing shows i-SSV, shut-off valve 25mm/DN 25.
The items refer to the parts lists in the following sections

7.2 i-SSV 25mm/DN25 Shut-off Valve



Alternative stem seal



Special lip seal

Parts for FEP lip seal

7 Parts list and service kits

The drawing shows i-SSV, shut-off valve 25mm/DN 25.
The items refer to the parts lists in the following sections

Parts list

Pos.	Qty	Denomination
1	1	Actuator
2 □	2	Cap
3	1	O-ring
4 □	1	Cylinder
5 □	1	Lock wire
6	1	O-ring
6a	1	Piston
7 □	1	Stop ring
8	1	O-ring
9*	1	Bonnet
10*	2	Plug
11 □	1	Spring assembly (black)
14 ♦	1	Clip, complete
14a ○	1	Lip seal
14b	1	Lip seal
14c ○	1	Plate
14d	1	Seal ring
14e ○	1	Washer
14f	1	O-ring FEP/Silicone
14g ○	1	Holder
15a+b	1	Seal ring, PTFE
18	1	Clamps and screws
19	1	Valve body
19a	1	Plug
19e ♦○	1	Stem
19f	1	Plug seal
26	1	Screw
28	1(2)	Air fitting (2 pcs. only for A/A)
	1	Threaded plate for sensor target

Service kits

Denomination	DN25 25 mm
Service kit for actuator	
□ Service kit	9611920008
Service kit for product wetted parts, standard	
♦ Service kit EPDM	9611920535
♦ Service kit NBR	9611920536
♦ Service kit FPM	9611920537
Service kit for special lip seal	
○ Service kit EPDM	9611920538
○ Service kit NBR	9611920539
○ Service kit FPM	9611920540
○ Service kit FEP	9611920541

Parts marked with □♦○ are included in the service kits

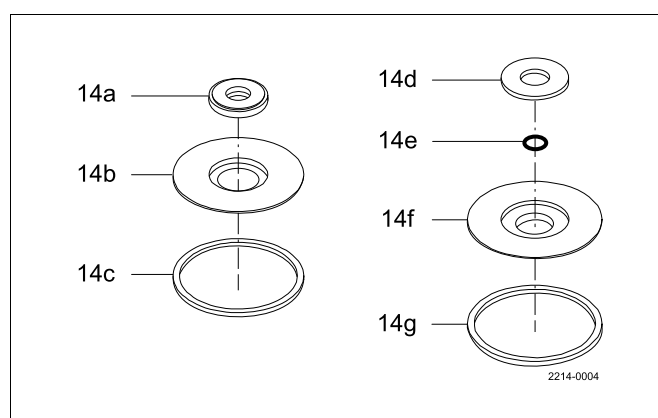
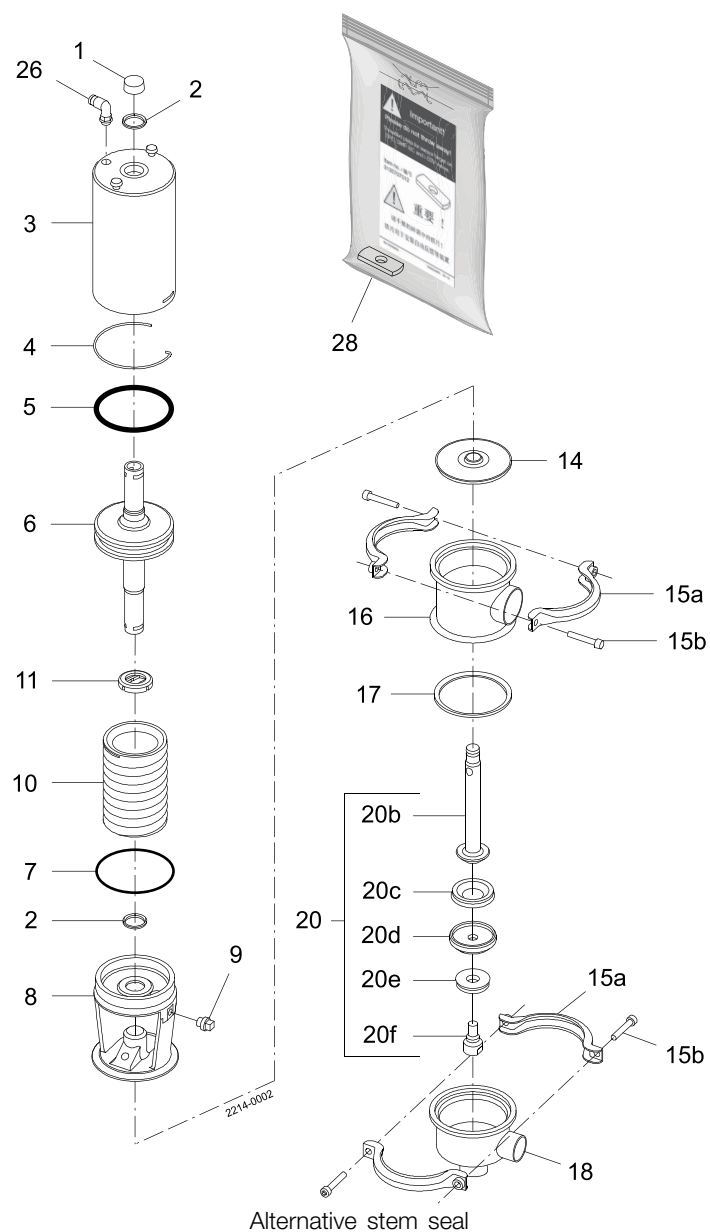
Recommended spare parts: Service kits.

7 Parts list and service kits

The drawing shows i-SSV, change-over valve 25mm/DN 25.

The items refer to the parts lists in the following sections

7.3 i-SSV 25mm/DN25 Change-over Valve



Special lip seal

Parts for FEP lip seal

7 Parts list and service kits

The drawing shows i-SSV, change-over valve 25mm/DN 25.
The items refer to the parts lists in the following sections

Parts list

Pos.	Qty	Denomination
1	1	Actuator
2 □	2	Cap
3	1	O-ring
4 □	1	Cylinder
5 □	1	Lock Wire
6	1	O-ring
7 □	1	Piston
8	1	O-ring
9*	1	Bonnet
10*	2	Plug
11 □	1	Spring assembly, standard (black)
14 ♦	1	Clip, complete
14a ○	1	Lip seal
14b	1	Lip seal kit
14c ○	1	Lip seal
14d	1	Plate
14e ○	1	Seal ring
14f	1	Washer
14g ○	1	O-ring FEP/Silicone
15a+b	1	Holder
16	2	Seal ring, PTFE
17 ♦○	2	Clamps and screws (Period 9209-)
18	1	Valve body
20	1	Valve body
20b	1	Valve body
20c ♦○	1	Seal ring
20d	1	Valve body
20e ♦○	1	Valve body
20f	1	Plug
26	1	Stem
28	1	Plug seal
	1	Middle piece
	1	Plug seal
	1	Screw
	1(2)	Air fitting (2 pcs. only for A/A)
	1	Threaded plate for sensor target

Service kits

Denomination	DN 25 25 mm
Service kit for actuator	
□ Service kit	9611920008
Service kit for product wetted parts, standard	
♦ Service kit EPDM	9611920542
♦ Service kit NBR	9611920543
♦ Service kit FPM	9611920544
Service kit for special lip seal	
○ Service kit EPDM	9611920545
○ Service kit NBR	9611920546
○ Service kit FPM	9611920547
○ Service kit FEP	9611920548

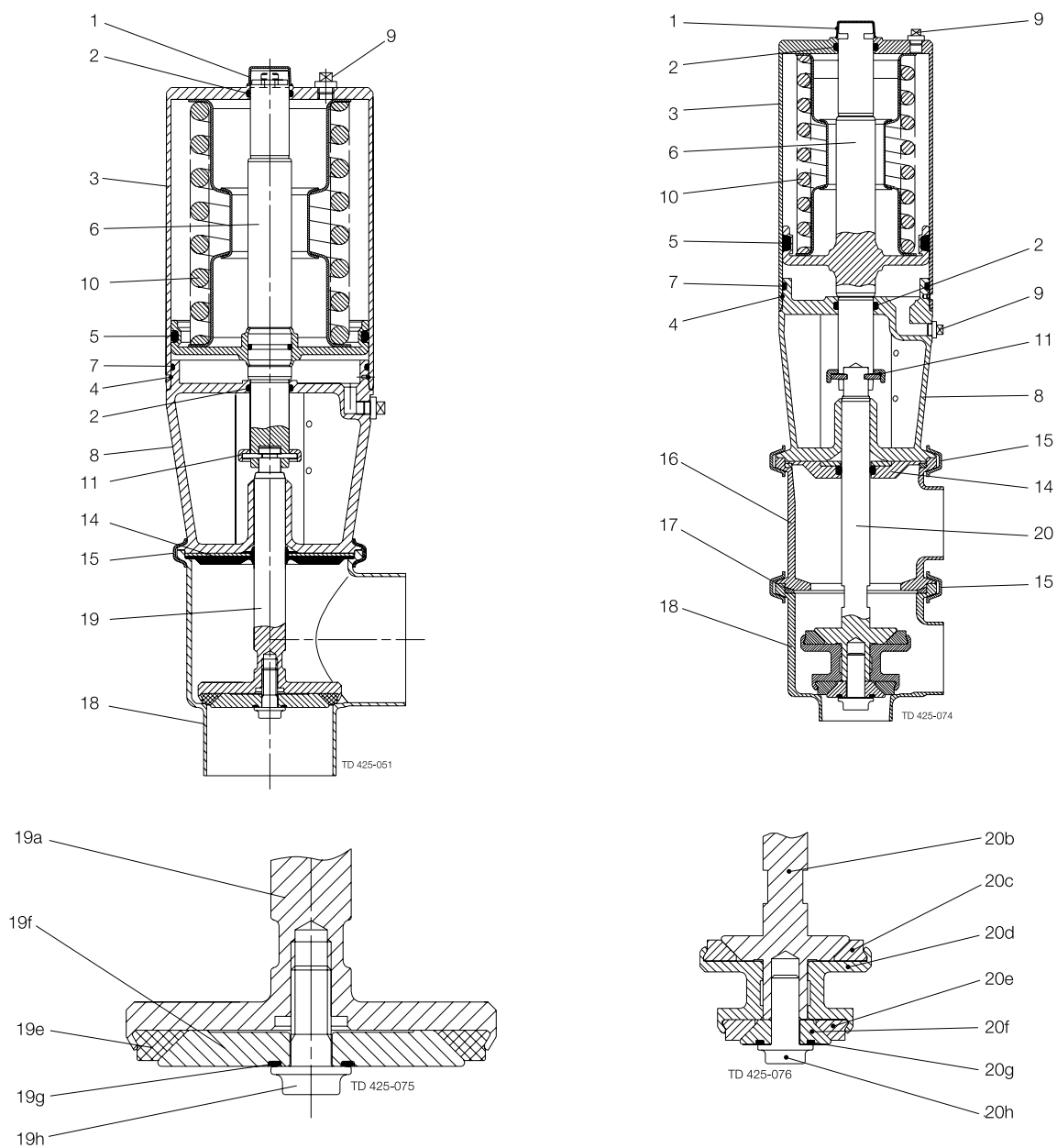
Parts marked with □♦○ are included in the service kits.
Recommended spare parts: Service kits.

7 Parts list and service kits

The drawing shows i-SSV, shut-off and change-over valves 38-101.6mm/DN40-100.

The items refer to the parts lists in the following sections

7.4 Drawing , i-SSV 38-101.6mm/DN40-100



38-101.6mm/DN40-100 Shut-off valve

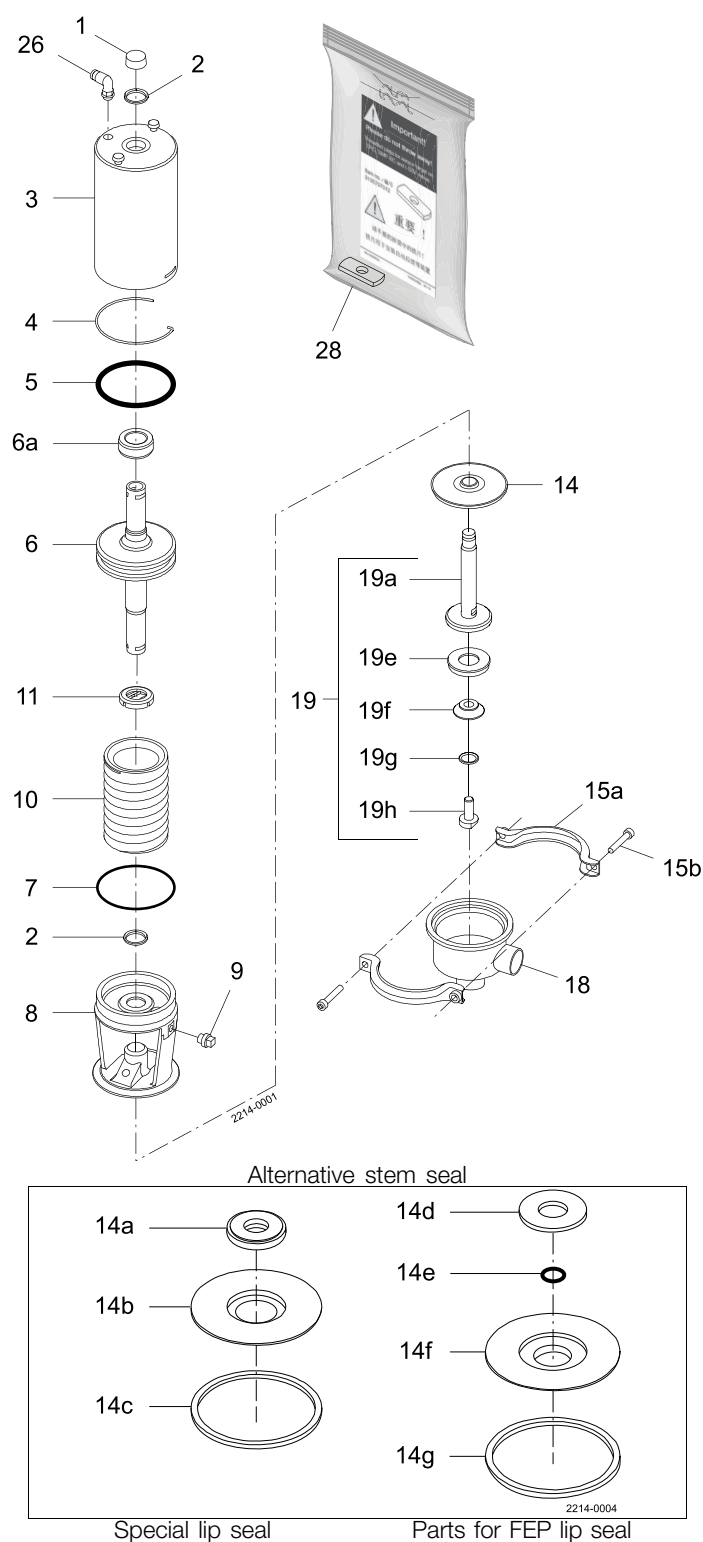
38-101.6mm/DN40-100 Change-over Valve,

7 Parts list and service kits

The drawing shows i-SSV, shut-off valve 38-101.6 mm/DN40-100.

The items refer to the parts lists in the following sections

7.5 i-SSV 38-101.6mm/DN40-100 Shut-off Valve



7 Parts list and service kits

The drawing shows i-SSV, shut-off valve 38-101.6 mm/DN40-100.

The items refer to the parts lists in the following sections

Parts list

Pos.	Qty	Denomination
	1	Actuator
	1	Spring assembly with extra strong spring (white)
	1	Clip
1	1	Cap
2 □	2	O-ring
3	1	Cylinder
4 □	1	Lock Wire
5 □	1	O-ring
6	1	Piston
6a	1	Stop ring (only for actuator-3)
7 □	1	O-ring
8	1	Bonnet
9*	2	Plug
10*	1	Spring assembly standard (black)
11 □	1	Clip, complete
14 ♦	1	Lip seal
14a ○	1	Lip seal
14b	1	Plate
14c ○	1	Seal ring
14d	1	Washer
14e ○	1	O-ring FEP/Silicone
14f	1	Holder
14g ○	1	Seal ring, PTFE
15a+b	1	Clamps & screws
18	1	Valve body
19	1	Plug
19a	1	Stem
19e ♦○	1	Plug seal
19f	1	Washer
19g ♦○	1	O-ring
19h	1	Screw
26	1(2)	Air fitting (2 pcs. only for A/A)
28	1	Threaded plate for sensor target

Service kits

Denomination	DN 40 38 mm	DN 50 51 mm	DN 65 63.5 mm	76 mm	DN 80	DN 100 101.6 mm
Service kit for actuator						
□ Service kit	9611920008	9611920008	9611920008	9611920009	9611920009	9611920009
Service kit for product wetted parts, standard						
♦ Service kit EPDM	9611920010	9611920013	9611920016	9611920019	9611920105	9611920022
♦ Service kit NBR	9611920011	9611920014	9611920017	9611920020	9611920106	9611920023
♦ Service kit FPM	9611920012	9611920015	9611920018	9611920021	9611920107	9611920024
Service kit for special lip seal						
○ Service kit EPDM	9611920447	9611920451	9611920455	9611920459	9611920463	9611920467
○ Service kit NBR	9611920448	9611920452	9611920456	9611920460	9611920464	9611920468
○ Service kit FPM	9611920449	9611920453	9611920457	9611920461	9611920465	9611920469
○ Service kit FEP	9611920450	9611920454	9611920458	9611920462	9611920466	9611920470

Parts marked with □♦○ are included in the service kits

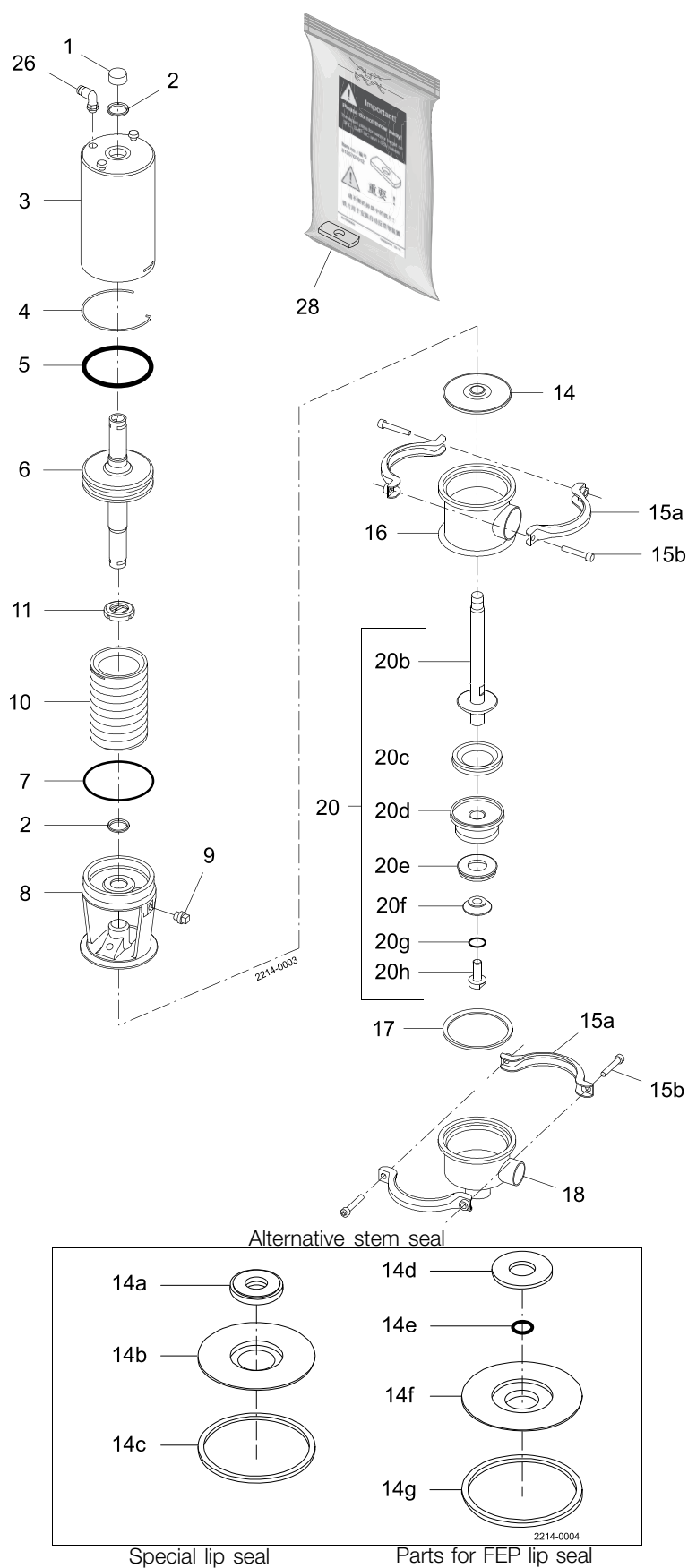
Recommended spare parts: Service kits.

7 Parts list and service kits

The drawing shows i-SSV, change-over valve 38-101.6 mm/DN40-100.

The items refer to the parts lists in the following sections

7.6 i-SSV 38-101.6 mm/DN40-100 Change-over Valve



7 Parts list and service kits

The drawing shows i-SSV, change-over valve 38-101.6 mm/DN40-100.

The items refer to the parts lists in the following sections

Parts list

Pos.	Qty	Denomination
	1	Actuator
	1	Spring assembly with extra strong spring (white)
	1	Clip, (period 68.02 - 84.07)
1	1	Cap
2 □	2	O-ring
3	1	Cylinder
4 □	1	Lock Wire
5 □	1	O-ring
6	1	Piston
7 □	1	O-ring
8	1	Bonnet
9*	2	Plug
10*	1	Spring assembly, standard (black)
11 □	1	Clip, complete (period 84.08-)
14 ♦	1	Lip seal
14a ○	1	Lip seal
14b	1	Plate
14c ○	1	Seal ring
14d	1	Washer
14e ○	1	O-ring FEP/Silicone
14f	1	Holder
14g ○	1	Seal ring, PTFE
15a+b	2	Clamps & screws (Period 9209-)
16	1	Valve body
17 ♦○	1	Seal ring
18	1	Valve body
20	1	Plug
20b	1	Stem
20c ♦○	1	Plug seal
20d	1	Middle piece
20e ♦○	1	Plug seal
20f	1	Washer
20g ♦○	1	O-ring
20h	1	Screw
26	1(2)	Air fitting (2 pcs. only for A/A)
28	1	Threaded plate for sensor target

Service kits

Denomination	DN 40 38 mm	DN 50 51 mm	DN 65 63.5 mm	76 mm	DN 80	DN 100 101.6 mm
Service kit for actuator						
□ Service kit	9611920008	9611920008	9611920008	9611920009	9611920009	9611920009
Service kit for product wetted part, standard						
♦ Service kit EPDM	9611920025	9611920028	9611920031	9611920034	9611920108	9611920037
♦ Service kit NBR	9611920026	9611920029	9611920032	9611920035	9611920109	9611920038
♦ Service kit FPM	9611920027	9611920030	9611920033	9611920036	9611920110	9611920039
Service kit for special lip seal						
○ Service kit EPDM	9611920471	9611920475	9611920479	9611920483	9611920487	9611920491
○ Service kit NBR	9611920472	9611920476	9611920480	9611920484	9611920488	9611920492
○ Service kit FPM	9611920473	9611920477	9611920481	9611920485	9611920489	9611920493
○ Service kit FEP	9611920474	9611920478	9611920482	9611920486	9611920490	9611920494

Parts marked with □♦○ are included in the service kits.

Recommended spare parts: Service kits.

7 Parts list and service kits

The drawing shows i-SSV, change-over valve 38-101.6 mm/DN40-100.

The items refer to the parts lists in the following sections

How to contact Alfa Laval

Contact details for all countries are continually updated on our website.

Please visit www.alfalaval.com to access the information directly.

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