

Instruction Manual Unique Single Seat Valve - ATEX Standard 9 P 9 \mathcal{D} P D D OS 2200-0073

ESE00674-EN8 2016-06

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 EC Declaration of Conformity

Revision of Declaration of Conformity 2009-12-29

The Designated Company

Alfa Laval Kolding A/S Company Name

Albuen 31, DK-6000 Kolding, Denmark

+45 79 32 22 00 Phone No.

hereby declare that

Valve Designation

Unique SSV PN10

Туре

From serial number 5099880 to 2999999999

is in conformity with the following directive with amendments:

- Machinery Directive 2006/42/EC
- Regulation (EC) No 1935/2004
- Pressure Equipment Directive 97/23/EC category 1 and subjected to assessment procedure Module A.
- Low Voltage Directive (LVD) 2006/95/EC
- EMC Directive 2004/108/EC
- EN 13463-1: Non-electrical equipment Basic method and requirements
- EN 13463-5: Non-electrical equipment Protection by constructional safety
- Technical file ref. 9612-9606. Baseefa (1180)
- The Notified Body NB.0044 will retain this Declaration of Conformity TÛV-Nord technical file no.: TÜV 08 ATEX 8000365231

If the valve is ATEX marked it is in conformity with:

- Equipment Explosive Atmospheres (ATEX) Directive 94/9/EC, valid until 2016-04-19
- Equipment Explosive Atmospheres (ATEX) Directive 2014/34/EC, valid from 2016-04-20

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

Global Product Quality Manager Pumps, Valves, Fittings and Tank Equipment Title

Lars Kruse Andersen Name

Signature

((

Kolding

Place

2013-12-03 Date

Unsafe practices and other important information are emphasised in this manual. Warnings are emphasised 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:



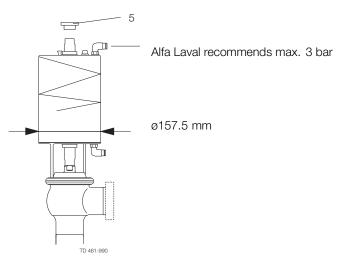
2 Safety

All warnings in this manual are summarised on this page. Pay special attention to this instructions below so that severe personal injury and/or damage to the valve are avoided.

2.3 Safety precautions

Actuators marked with year 2012 (new actuator design):

Alfa Laval recommends not to exceed 3 bar support air on the spring side in all the Unique SSV actuators, to ensure 10 bar product pressure without leakage. Plastic adapter (pos. 5) is always used on the new design.



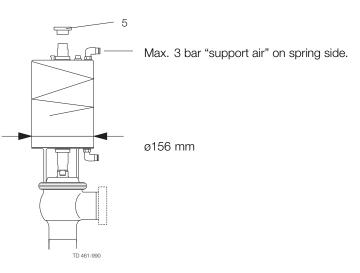
Actuators marked with year 2006-2011 (old actuator design):



When using "support air" on spring side in all the Unique SSV actuators, the pressure must **NOT** exceed 3 bar.

When using Unique SSV actuators with ø156mm with support air, **always** use the "steel adapter" (pos. 5). Tighten the "steel adapter" to a torque of 30 Nm and use Loctite 243.

The actuator with Ø156mm is mainly used on valves ISO76/DN80 – ISO101/DN100. The outer actuator diameter = Ø156 mm.



All warnings in this manual are summarised on this page. Pay special attention to this instructions below so that severe personal injury and/or damage to the valve are avoided.

Installation:	
Always read the technical data thoroughly (see chapter 6 Technical data)	\wedge
Always release compressed air after use Never touch moving parts if the actuator is supplied with compressed air	
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	\square
Never dismantle the valve when it is hot Always read the technical data thoroughly (see chapter 6 Technical data)	
Always release compressed air after use	
Never touch the valve or the pipelines when processing hot liquids or when sterilising Never touch moving parts if the actuator is supplied with compressed air	
Always rinse well with clean water after cleaning	
Always handle lye and acid with great care	$\boldsymbol{\bigtriangleup}$
Maintenance:	^
Always read the technical data thoroughly (see chapter 6 Technical data)	<u> </u>
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 moving parts if the actuator is supplied with compressed air	
Transportation:	
Always ensure that compressed air are released Always ensure that all connections is disconnected before attempting to remove the valve from the installation	

Always ensure that all connections is disconnected before attempting to remove the valve from the installation Always drain liquid out of valves before transportation

Always used 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

Installation 3

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

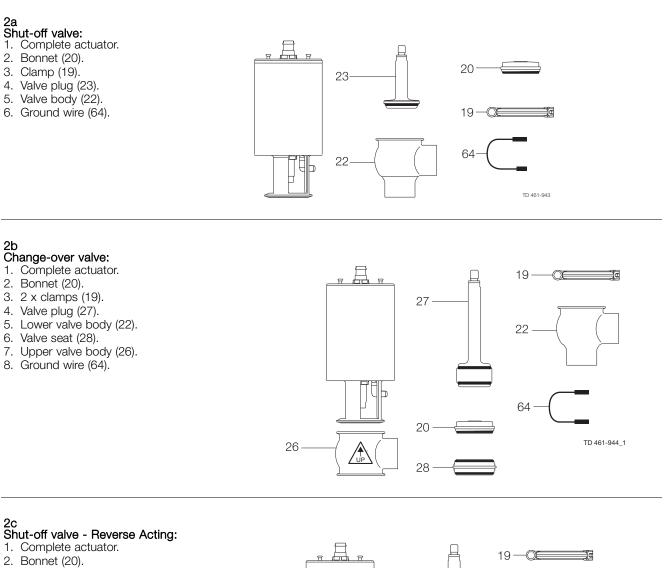
CAUTION

Alfa Laval cannot be held responsible for incorrect unpacking.

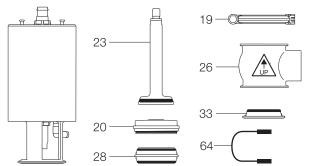
Check the delivery for:

- 1. Complete valve, shut-off valve (RA) or change-over valve (RA) (see steps 2a, 2b, 2c and 2d).
- 2. Delivery note.

Step 2



- 3. 3 x clamps (19).
- 4. Valve plug (23).
- 5. 2 x upper valve bodies (26).
 6. Valve seat (28).
- 7. Lower bonnet (33).
- 8. Ground wire (64).



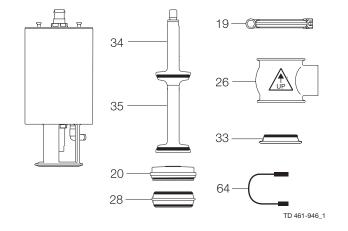
The instruction manual is part of the delivery. Study the instructions carefully. The items refer to parts list and service kits section.

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

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

2d Change-over valve - Reverse Acting: 1. Complete actuator.

- 2. Bonnet (20).
- 3. 4 x clamps (19).
- 4. Upper valve plug (34).
- Lower valve plug (35).
 3 x upper valve bodies (26).
- 7. 2 x valve seats (28).
- 8. Lower bonnet (33).
- 9. Ground wire (64).



Step 3

Remove possible packing materials from the valve/valve parts. Inspect the valve/valve parts for visible transport damage. Avoid damaging the valve/valve parts.

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.

3.2 General installation

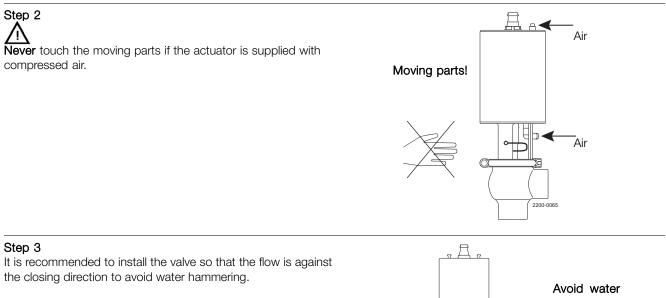
Step 1

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

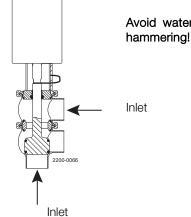
<u>Z!</u> Always release compressed air after use.

CAUTION

Alfa Laval cannot be held responsible for incorrect installation.



Shock in the actuator must **never** occur.



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.

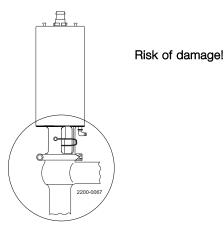
Step 4

Avoid stressing the valve. **Pay special attention to:**

Vibrations.

- Thermal expansion of the pipelines.

- Excessive welding.
- Overloading of the pipelines.



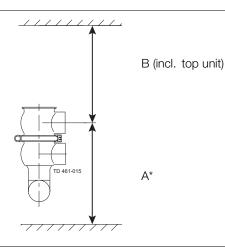
3.3 Welding

Step 1

Always install valves with more than one valve body so that the seals between the valve bodies can be replaced. Do not weld more than one valve body into the system.

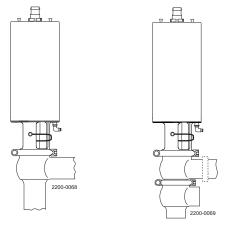
Valve size	A (mm)	B (mm)
DN25/25 mm	*	630
DN40/38 mm	*	700
DN50/51 mm	*	750
DN65/63.5 mm	*	740
DN80/76 mm	*	800
DN100/101.6 mm	*	790

* Depending on body combination and piping solution.



Step 2

Assemble the valve in accordance with the steps on page 21. Pay special attention to the warnings!



3 Installation

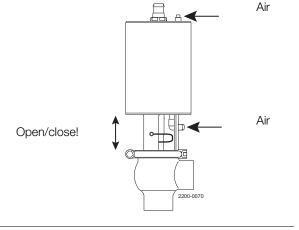
Study the instructions carefully. The valve is supplied as separate parts to facilitate the welding. The items refer to the parts list and service kits section. Check the valve for smooth operation after welding.

Step 3

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!



Step 4

Make sure the groun wire has electrical connection to plug and actuator.

\bigwedge

All conducting parts or equipment must be arranged to avoid that a dangerous potential difference can exist between them. If there is a possibility of isolated metal parts becoming charged and acting as an ignition source, then earthing terminals must be provided.

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 re-used, 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 wearing 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 disposed off in agreement with local regulations

Scrapping

- At end of use, the equipment must be recycled according to the relevant, local regulations. Besides 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 your local Alfa Laval sales company

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.

4.1 Operation

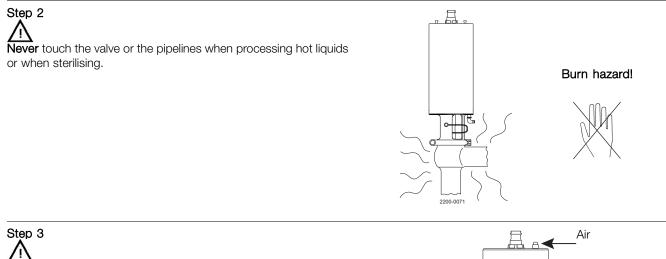
Step 1

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

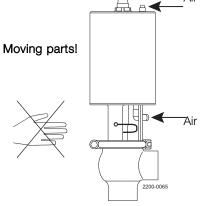
Always release compressed air after use.

CAUTION

Alfa Laval cannot be held responsible for incorrect operation.

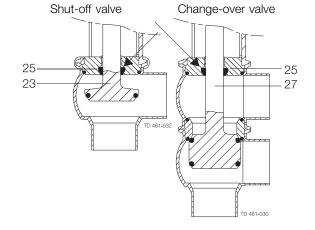


Never touch moving parts if the actuator is supplied with compressed air.



Step 4

- Lubrication of valves:
- 1. Ensure smooth movement between lip seal (25) and plug stem (23, 27).
- 2. Lubricate the lip seal with Klüber Paraliq GTE 703 if necessary (see page 18).



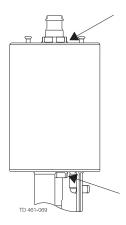
Operation 4

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.

Step 5

Lubrication of actuator

- 1. Ensure smooth movement of the actuator (the actuator is Lubricated before delivery).
 Lubricate all seals with Molykote Longterm 2 plus if necessary.



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

4.2 Troubleshooting

NOTE!

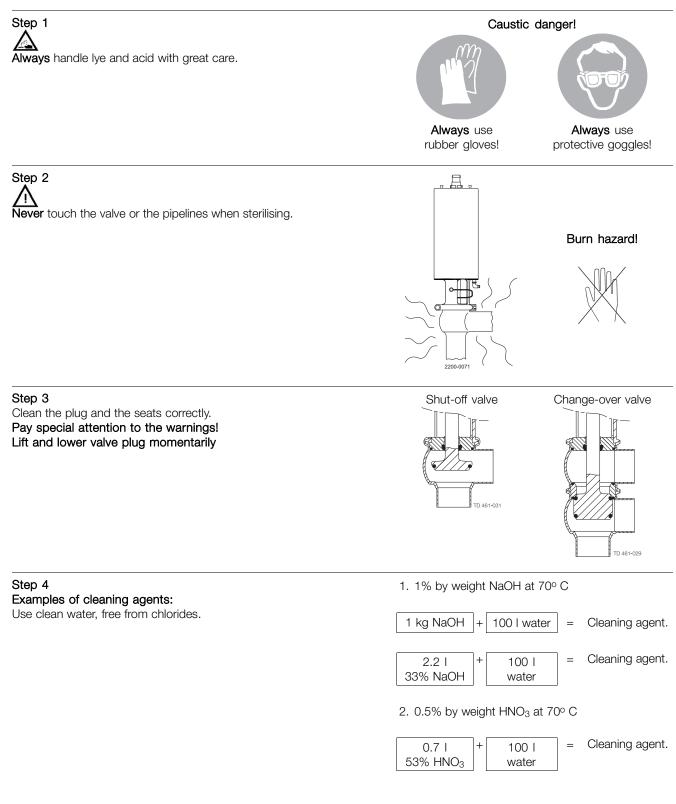
Study the maintenance instructions carefully before replacing worn parts - see page 18!

Problem	Cause/result	Repair
External product leakage	Worn or product affected lip seal and/or O-ring	Replace the sealsReplace with seals of a different rubber grade
Internal product leakage	 Worn or product affected plug seal 	Replace the sealReplace with a seal of a different rubber grade
	 Product deposits on the seat and/or plug 	- Frequent cleaning
	- Product pressure exceeds actuator specification	 Replace with a high pressure actuator Use auxiliary air on the spring side (do not exceed 3 bar) Reduce product pressure
Water hammer	The flow direction is the same as the closing direction	 The flow direction should be against the closing direction Throttle air release of solenoid in top unit
The valve does not open/close	Product pressure exceeds actuator specification	 Replace with a high pressure actuator Use auxiliary air on the spring side Reduce product pressure

4 Operation

The valve is designed for cleaning in place (CIP). Study the instructions carefully and pay special attention to the warnings! NaOH = Caustic Soda. $HNO_3 = Nitric acid.$

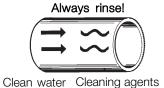
4.3 Recommended cleaning



The valve is designed for cleaning in place (CIP). Study the instructions carefully and pay special attention to the warnings! NaOH = Caustic Soda. $HNO_3 = Nitric acid.$

Step 5

- 1. Avoid excessive concentration of the cleaning agent.
- 2. Adjust the cleaning flow to the process.
- 3. Always rinse well with clean water after the cleaning.



Step 6 NOTE

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



<u>Z!</u> Dust cleaning!

To avoid damage, all seal openings must be held free for dust. All surfaces must be cleaned for dust.

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. Check the valve for smooth operation after service.

5.1 General maintenance

Step 1

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

NOTE

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

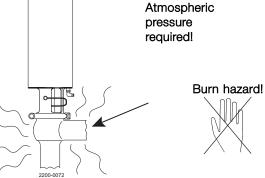
 Always release compressed air after use.

 Step 2

 Always release compressed air after use.

 Never service the valve when it is hot.

 Never service the valve with valve and pipelines under pressure.

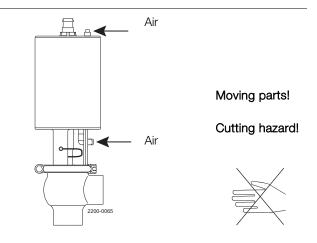


Step 3



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

Never touch the moving parts if the actuator is supplied with compressed air.

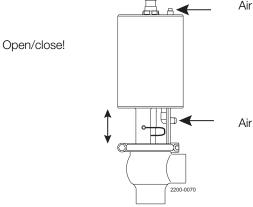


Maintain the valve regularly. Study the instructions carefully and pay special attention to the warnings! Always keep spare rubber seals and lip seals in stock. Check the valve for smooth operation after service.

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

	Product wetted seals	Actuator bushings complete
Preventive maintenance	Replace after 12 months depending on working conditions	Replace with Service Kit or complete ATEX actuator after 5 years depending on working conditions
Maintenance after leakage (leakage normally starts slowly)	Replace at the end of the day	Replace when possible
Planned maintenance	 Regular inspection for leakage and smooth operation Keep a record of the valve Use the statistics for inspection planning Replace after leakage 	 Regular inspection for leakage and smooth operation Keep a record of the actuator Use the statistics for inspection planning Replace after leakage
Lubrication	Before fitting Klüber Paraliq GTE 703 or similar USDA H1 approved oil/grease	Before fitting Molykote Longterm 2 plus
Pre-use check:	ne actuator.	Air

 Supply compressed air to the actuator.
 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 26)

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.

5.2 Dismantling the valve

Step 1

1a Shut-off valve:

- Supply compressed air to the actuator (only NC).
- 2. Loosen and remove clamp.
- 3. Release compressed air (only NC).
- 4. Lift away the actuator.
- 5. Unscrew and remove valve plug.
- 6. Remove ground wire terminal from valve plug.
- 7. Remove O-ring, lip seal and bushing in bonnet.
- (Use bushing tool and rubber mallet). Note! Be careful not to damage the bushing.

Note: Be careful not to damage the bushing

Pay special attention to the warnings!

Note! For plug seal replacement please read instruction in service kit.

1b

Change-over valve:

- 1. Supply compressed air to the actuator (only NC).
- 2. Loosen and remove lower clamp.
- 3. Release compressed air (only NC)
- 4. Lift away the actuator and upper valve body.
- 5. Supply compressed air to the actuator (only NO).
- 6. Unscrew and remove valve plug.
- 7. Remove ground wire terminal from valve plug.
- 8. Release compressed air (only NO).
- 9. Remove seat and O-rings.
- 10. Loosen and remove upper clamp.
- 11. Remove upper valve body.
- 12. Remove O-ring, lip seal and bushing in bonnet. (Use bushing tool and rubber mallet. See drawing, step 1a).

Note! Be careful not to damage the bushing.

Pay special attention to the warnings!

Note! For plug seal replacement please read instruction in service kit.

1c Shut-off valve - Reverse Acting:

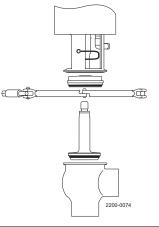
1. Loosen and remove lower clamp.

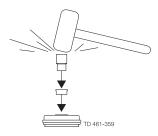
- 2. Remove lower bonnet and O-ring from lower body.
- 3. Loosen and remove middle clamp.
- 4. Lift away the actuator and upper valve body.
- 5. Supply compressed air to the actuator (only NC).
- 6. Unscrew and remove valve plug.
- 7. Release compressed air (only NC).
- 8. Remove seat and O-rings.
- 9. Loosen and remove upper clamp.
- 10. Remove upper valve body.
- 11. Remove O-ring, lip seal and bushing in bonnet. (Use bushing tool and rubber mallet.

See drawing, step 1a). Note! Be careful not to damage the bushing.

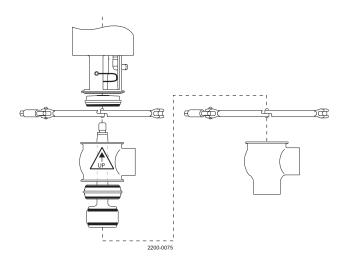
Pay special attention to the warnings!

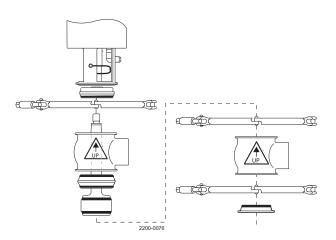
Note! For plug seal replacement please read instruction in service kit.





Note! Be careful not to damage the bushing.





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.

1d

Change-over valve - Reverse Acting:

- 1. Loosen and remove lower clamp.
- 2. Remove lower bonnet and O-ring.
- 3. Loosen and remove clamp between lower and middle valve body
- 4. Lift away the actuator and upper + middle valve body.
- 5. Supply compressed air to the actuator (only NC).
- 6. Unscrew and remove lower valve plug.
- 7. Release compressed air (only NC).
- 8. Remove lower seat and O-rings.
- 9. Supply compressed air to the actuator (only NO).
- 10. Loosen and remove clamp between middle and upper valve body.
- 11. Remove middle valve body and upper seat with O-rings.
- 12. Release compressed air (only NO).
- 13. Loosen and remove upper clamp.
- 14. Remove upper valve body.
- 15. Unscrew and remove upper valve plug.
- Remove O-ring, lip seal and bushing in bonnet. (Use bushing tool and rubber mallet. See drawing, step 1a).

Note! Be careful not to damage the bushing.

Pay special attention to the warnings!

Note! For plug seal replacement please read instruction in service kit.

5.3 Plug seal replacement

- 1. Remove old seal ring using a knife, screwdriver or similar. Be careful not to damage metal parts.
- 2. Pre-mount plug seal without pressing it into the groove.
- 3. Squeeze plug seal into the groove using opposite pressure points.
- 4. Release compressed air behind plug seal.

Note! For plug seal replacement, please read the instructions in the service kit.

5.4 Valve assembly

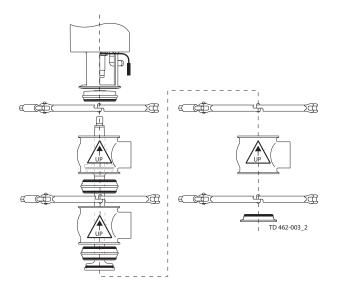
Reverse order of 5.2 Dismantling the valve.

Lubricate O-ring (21) and lip seal (25) with Klüber Paraliq GTE 703.

Remember to tighten spindle and plug with to a torque of 30Nm (to use two 17mm spanners) .

If there are vibrations in the pipeline Alfa Laval recommend using loctite no. 243.

The clamps thread must be lubricated before tightening - max. torque for the clamps is 10-12 Nm.

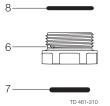


5 Maintenance

Study the instructions carefully. The items refer to the parts list and service kits section. Handle scrap correctly. A/A = Air/air activated. Service tool: See Spare Parts.

5.5 Actuator bushing replacement

- Unscrew and remove top and bottom bushings with O-rings.
 Lubricate O-rings with Molykote Longterm 2 plus before fitting.
 Fit bushings and O-rings. Tighten bushing to a torque of 10Nm. Be careful not to overtighten.



It is important to observe the technical data during installation, operation and maintenance. Inform all personnel about the technical data.

6.1 Technical data

The valve is a pneumatic seat valve in a hygienic and modular design for a wide field of duties, e.g. as a shut-off valve with two (2) or three (3) ports or as a change-over valve with three (3) to five (5) ports.

The valve is remote-controlled by means of compressed air. It has few and simple moveable parts which results in a very reliable valve and low maintenance cost.

Standard design The Unique SSV ATEX valve comes in a one or two body configuration. With its module built structure it is designed for flexibility and easy customization through the electronic configurator.

Data - valve/actuator	
Max. product pressure	1000 kPa (10 bar).
Min. product pressure	Full vacuum (depending on product specifications).
Temperature range	-10° C to + 140° C (standard EPDM seal).
Air pressure, actuator	500 to 700 kPa (5 to 7 bar).
Materials - valve/actuator	
Product wetted steel parts	1.4404 (316L) (internal Ra < 0.8 μm).
Other steel parts	1.4301 (304).
Plug seal	EPDM / PTFE (TR2).
Other product wetted seals	EPDM (standard).
Optional product wetted seals	HNBR and FPM.
Other seals	NBR.

Weight (kg)

Nominal Size	Inch tubes DN/OD					DIN tubes DN						
Nominal Size	25	38	51	63.5	76.1	101.6	25	40	50	65	80	100
Shut-off valve	3.1	3.3	5.5	6.5	11.3	13.6	3.2	3.4	5.5	6.6	11.8	13.6
Change-over valve	3.9	4.2	7.1	8.5	14	18	4.1	4.5	7.2	8.8	14.9	17.9

Noise

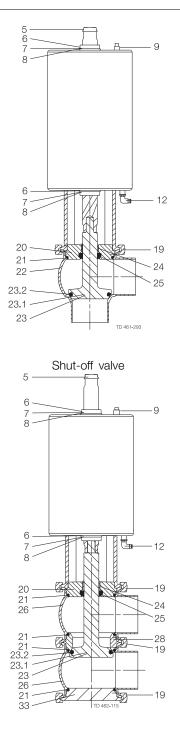
One metre away from and 1.6 metres above the exhaust the noise level of a valve actuator will be approximately 77db (A) without noise damper and approximately 72 db (A) with damper - measured at 7 bar air-pressure.

It is important to observe the technical data during installation, operation and maintenance. Inform all personnel about the technical data.

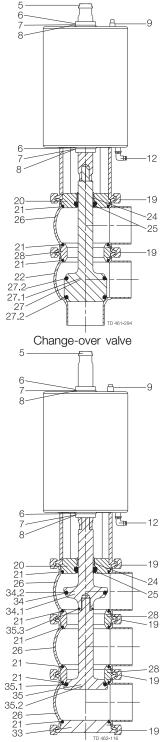
7 Parts list and service kits

The drawing shows Unique Single Seat Valve. The items refer to the parts list in the following sections

7.1 Drawing



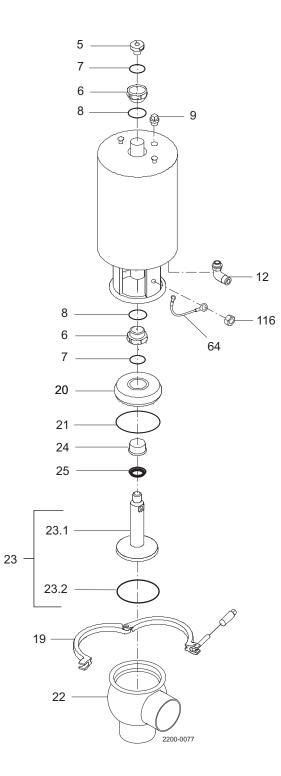
Shut-off valve - Reverse Acting



Change-over valve - Reverse Acting

7.2 Unique Single Seat Valve

The drawing shows Unique Single Seat Valve. The items refer to the parts list in the following sections



7 Parts list and service kits

The drawing shows Unique Single Seat Valve. The items refer to the parts list in the following sections

Parts list

Pos.	Qty	Denomination
5 6	1 2 2 1 1(2)	Actuator Adapter Bushing O-ring O-ring Plug Air fitting
19 20 21 ◆ 22 23 23.1 23.2 24 25 ◆	1 1 1 1 1 1 1 1 1	Clamp Bonnet O-ring Valve body Plug Plug Plug seal Bushing Lip seal

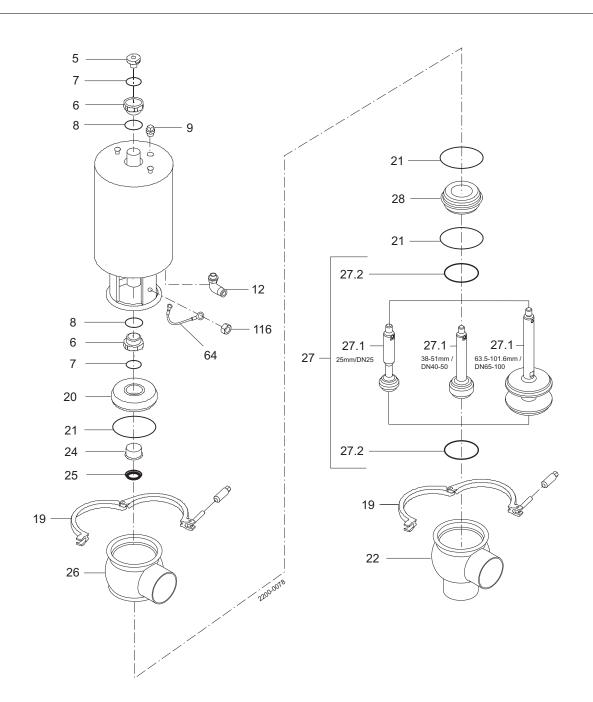
Service kits

	Denomination	DN 25 25 mm	DN 40 38 mm	DN 50 51 mm	DN 65 63.5 mm	DN 80 76.1 mm	DN 100 101.6 mm
Servic	e kit for actuator						
	Service kit, actuator	9611926500	9611926500	9611926500	9611926500	9611926500	9611926500
Servic	e kit for product wetted parts, s	standard					
•	Service kit, EPDM	9611926501	9611926502	9611926503	9611926504	9611926505	9611926506
•	Service kit, HNBR	9611926507	9611926508	9611926509	9611926510	9611926511	9611926512
•	Service kit, FPM	9611926513	9611926514	9611926515	9611926516	9611926517	9611926518

Parts marked with □are included in the service kits (actuator) Parts marked with ♦are included in the service kits (product wetted parts) Tool for bushing (pos. 24) - item no: 9613160901

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The drawing shows Unique Single Seat Valve. The items refer to the parts list in the following sections



7 Parts list and service kits

The drawing shows Unique Single Seat Valve. The items refer to the parts list in the following sections

Parts list						
Pos.	Qty	Denomination				
5 6 7 8 9 12 19 20 21 22 24 25 26 27 27 27.1	1 2 2 1 1(2) 2 1 3 1 1 1 1 1 1	Adapter Bushing O-ring Plug Air fitting Clamp Bonnet O-ring Valve body Bushing Lip seal Valve body Plug Plug				
27.2 ♦ 28	2 1	Plug seal Seat				

Service kits

Service kit for actuator

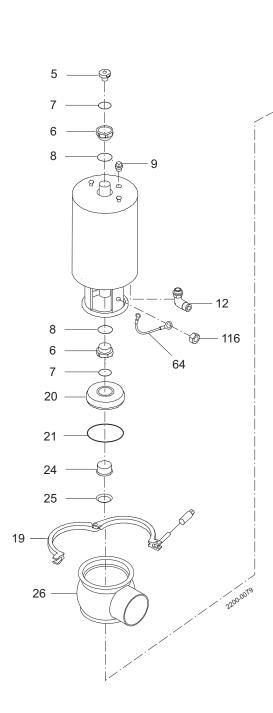
	Service kit, actuator	9611926500	9611926500	9611926500	9611926500	9611926500	9611926500
Servic	e kit for product wetted parts, s	standard					
•	Service kit, EPDM	9611926579	9611926580	9611926581	9611926582	9611926583	9611926584
•	Service kit, HNBR	9611926585	9611926586	9611926587	9611926588	9611926589	9611926590
•	Service kit, FPM	9611926591	9611926592	9611926593	9611926594	9611926595	9611926596

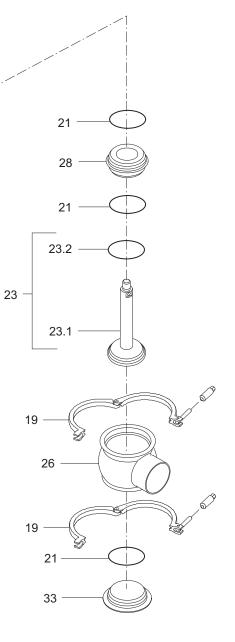
Parts marked with \Box are included in the service kits (actuator) Parts marked with \blacklozenge are included in the service kits (product wetted parts)

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The drawing shows Unique Single Seat Valve. The items refer to the parts list in the following sections

7.3 Unique Single Seat Valve - Reverse Acting





7 Parts list and service kits

The drawing shows Unique Single Seat Valve. The items refer to the parts list in the following sections

Parts list

Pos.	Qty	Denomination
Pos. 5 6 7 7 8 9 12 19 20 21 23 23.1 23.2 •	Qty 1 2 2 1 1(2) 3 1 4 1 1 1	Denomination Adapter Bushing O-ring O-ring Plug Air fitting Clamp Bonnet O-ring Plug Plug Plug Plug seal
23.2 ♦	1	Plug seal
24 25 ♦	1 1	Bushing Lip seal
26 28 33	2 1 1	Valve body Seat Lower bonnet
00		

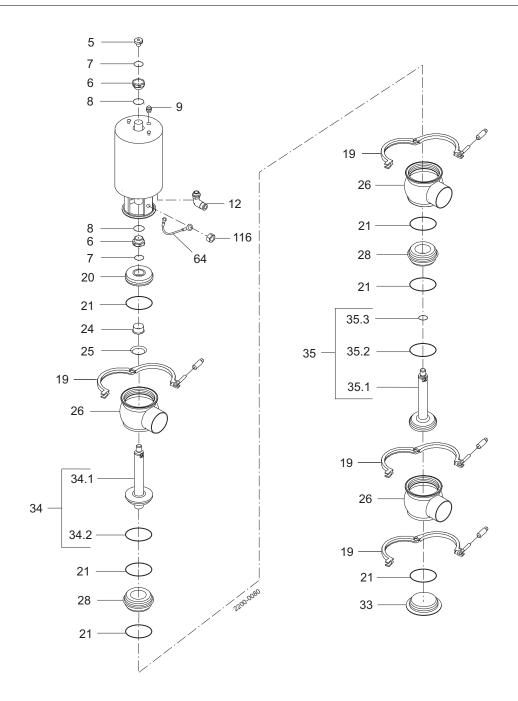
Service kits

		DN 25	DN 40	DN 50	DN 65	DN 80	DN 100
	Denomination	25 mm	38 mm	51 mm	63.5 mm	76.1 mm	101.6 mm
Servic	e kit for actuator						
	Service kit	9611926500	9611926500	9611926500	9611926500	9611926500	9611926500
Servic	e kit for product wetted parts, s	tandard					
•	Service kit, EPDM	9611926525	9611926526	9611926527	9611926528	9611926529	9611926530
•	Service kit, HNBR	9611926531	9611926532	9611926533	9611926534	9611926535	9611926536
•	Service kit, FPM	9611926537	9611926538	9611926539	9611926540	9611926541	9611926542

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

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The drawing shows Unique Single Seat Valve. The items refer to the parts list in the following sections



7 Parts list and service kits

The drawing shows Unique Single Seat Valve. The items refer to the parts list in the following sections

Parts list

Pos.	Qty	Denomination
5	1	Adapter
_		
	2	Bushing
7 🗆	2	O-ring
8 🗆	2	O-ring
9	1	Plug
12	1(2)	Air fitting
19	4	Clamp
20	1	Bonnet
21 🔸	6	O-ring
24	1	Bushing
25 🔸	1	Lip seal
26	3	Valve body
28	2 1	Seat
33		Lower bonnet
34	1	Plug
34.1	1	Plug
34.2 ♦	1	Plug seal
34.3 •	1	O-ring
35	1	Plug
35.1	1	Plug
35.2♦	1	Plug seal

Service kits

		DN 25	DN 40	DN 50	DN 65	DN 80	DN 100
	Denomination	25 mm	38 mm	51 mm	63.5 mm	76.1 mm	101.6 mm
Servi	ce kit for actuator						
	Service kit	9611926500	9611926500	9611926500	9611926500	9611926500	9611926500
	ce kit for product wetted parts, s						
Servi ◆	ce kit for product wetted parts, s Service kit, EPDM	standard 9611926597	9611926598	9611926599	9611926600	9611926601	9611926602
			9611926598 9611926604	9611926599 9611926605	9611926600 9611926606	9611926601 9611926607	9611926602 9611926608

Parts marked with $\Box \bullet$ are included in the service kits. Recommended spare parts: Service kits.

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