

INLET VALVE

Equipment reference

155.802.000

User manual 582112110

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Index F

Translation of the original instructions

SAMES KREMLIN SAS



13 Chemin de Malacher
38240 Meylan



www.sames-kremlin.com



33 (0)4 76 41 60 60

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Contents

Contents	3
1 Safety instructions.....	5
1.1 Personal safety	5
2 Environment	13
3 Presentation of the material.....	14
3.1 Equipment dimensions.....	14
4 Technical characteristics and performances.....	15
4.1 Technical characteristics.....	15
5 Installation	16
5.1 Connections.....	16
5.2 Storage.....	17
6 Commissioning	18
6.1 Prerequisite for commissioning	18
7 Using the product	19
7.1 User Settings	19
7.2 Safety in production	19
7.3 Possible symptoms of faults / Causes of faults / Remedy to be applied - rapid operation	20
8 Maintenance	21
8.1 Preventive Maintenance Plan.....	22
9 Disassembly / reassembly operations.....	24
9.1 Changing the cartridge	25
9.2 Mounting the cartridge	27
9.3 Changing the seat.....	33
9.4 Mounting the seat.....	36
9.5 Changing the needle	39
9.6 Mounting the needle	44
10 Spare parts	53
10.1 Doseur E dispense L1K	53


Evolution table of the document

Recording revisions				
Editor	Object	Revision	Date	Aimed by
F SEGUIN	Valve	B - Draft - beta test	Week 45/2019	B Batllo
F SEGUIN	Valve	C - Beta test	Week 09/2020	B Batllo
F SEGUIN	Valve	D - Beta test	Week 24/2020	B Batllo
F SEGUIN	Valve	E	Week 46/2020	B Batllo
F SEGUIN	Valve	F	Week 09/2021	B Batllo

Dear customer, you have just purchased your new equipment and we thank you for it.

We have taken the utmost care, from design to manufacture, so that this equipment gives you complete satisfaction.

For a good use and an optimal availability, we invite you to read this manual carefully before commissioning your equipment.

Supplementary notice		
	Designation	Reference
	E-dispense L1K shotmeterer	582111110-EN



Note: Consult the shotmeter and heating block supplementary manuals separately before using the system.

1 Safety instructions

1.1 Personal safety

Overview



Read all operating instructions and device labels carefully before putting the equipment into service.

Personnel using this equipment must have been trained in its use.

The workshop manager must ensure that the operators have fully understood all the instructions and safety rules of this equipment and other elements and accessories of the installation.

Misuse or operation can cause serious injury. This material is for professional use only. It must be used only for the purpose for which it was intended.

Do not modify or transform the material. Parts and accessories must only be supplied or approved by **SAMES KREMLIN**.

The equipment must be checked periodically. Defective or worn parts must be replaced.

Never exceed the maximum working pressures of the equipment components.

Always respect the laws in force regarding security, fire, electricity of the destination country of the equipment.

Only use products or solvents compatible with the parts in contact with the product (see product manufacturer's technical data sheet).

Meaning of the pictograms

 <p>Danger pinching, crushing</p>	 <p>Danger moving parts</p>	 <p>Danger: high pressure</p>	 <p>Risks of product emanation</p>
 <p>Danger: hot parts or surfaces</p>	 <p>Danger: flammability hazard</p>	 <p>Danger: electricity</p>	 <p>Risk of explosion</p>
 <p>Danger (user)</p>	 <p>Glasses required</p>	 <p>Gloves required</p>	 <p>Grounding</p>

Security devices



Attention

- ✓ Guards (motor cover, coupling guard, housings, ...) are installed for safe use of the equipment.
- ✓ The manufacturer can not be held responsible for any bodily injury as well as failures and / or damage to the equipment resulting from the destruction, the occultation or the total or partial removal of the protectors.
- ✓ Never exceed the maximum working pressures of the equipment components.

Pressure hazards



Safety requires that a **decompression air** shutoff valve be mounted on the pump motor supply circuit to allow trapped air to escape when the supply is shut off.

Without this precaution, the residual air from the engine may cause the motor pump to operate and cause a serious accident.

Similarly, a **product purge valve** must be installed on the product circuit in order to be able to purge it (after shutting off the engine air and its decompression) before any intervention on the equipment. These valves should remain closed for air and open for the product during the procedure.

Injection hazards

"HIGH PRESSURE" technology requires the utmost care.

Operation can cause dangerous leaks. There is a risk of product injection into exposed parts of the body, which can lead to serious injury and the risk of amputation:

- ✓ An injection of product into the skin or other parts of the body (eyes, fingers ...) must be treated urgently by appropriate medical care.
 - ✓ Do not look at the gun nozzle when it is under pressure.
 - ✓ Never direct the jet to another person.
 - ✓ Never attempt to stop the jet with the body (hands, fingers ...) or with rags or similar.
-

**Fire hazards, explosion,
electric arc, static
electricity**



Improper grounding, insufficient ventilation, open flames or sparks can cause an explosion or fire which could result in serious injury.

To avoid these risks, especially when using pumps, it is imperative:

- ✓ to connect the equipment, the parts to be treated, the cans of products and cleaners to the ground,
- ✓ to ensure good ventilation,
- ✓ keep the work area clean and free of rags, papers, solvents,
- ✓ do not operate electrical switches in the presence of vapors or during removal,
- ✓ immediately stop the application in the presence of arcs,
- ✓ store all liquids outside the work areas.
- ✓ use products whose flash point is as high as possible to avoid any risk of formation of flammable gases and vapors (consult the product safety data sheets).
- ✓ to equip the drums with a lid to reduce the diffusion of gases and vapors in the cabin.
- ✓ It is forbidden to pump explosive materials

**Hazards
toxic products**

Toxic products or vapours can cause serious injury through contact with the body, in the eyes, under the skin, but also by ingestion or inhalation. It's imperative :

- ✓ to know the type of product used and the dangers it represents,
- ✓ store the products to be used in appropriate areas,
- ✓ contain the product used in the application in a container designed for that purpose,
- ✓ evacuate the products in accordance with the legislation of the country where the equipment is used,
- ✓ to wear protective clothing designed for that purpose,
- ✓ wearing goggles, hearing protectors, gloves, shoes, coveralls and masks for the respiratory tract.



Attention

The use of halogenated hydrocarbon solvents and products containing these solvents in the presence of aluminium or zinc is prohibited.

Failure to follow these instructions exposes the user to the risk of explosion resulting in serious injury or death.

Valve

Recommendations for the valve.



- ✓ Before starting up or using the shotmeter, carefully read the DECOMPRESSION PROCEDURE.
- ✓ Check that the decompression and purge air valves are working properly.

Valve

- ✓ Only use genuine **SAMES KREMLIN** accessories and spare parts designed to withstand the operating pressures of the valve.
- ✓ Mandatory PPE (glasses + gloves + safety shoes).

Tubing

Recommandations for pipes.

- ✓ Keep hoses away from traffic areas, moving parts and hot areas.
 - ✓ Never subject product hoses to temperatures above 80 ° C or below 0 ° C.
 - ✓ Do not use hoses to pull or move equipment.
 - ✓ Tighten all connections and hoses and connectors before commissioning the equipment.
 - ✓ Check hoses regularly, replace them if damaged.
 - ✓ Never exceed the maximum operating pressure stated on the hose (PMS).
 - ✓ For fitting the hoses and gun: PPE is mandatory.
 - ✓ Tighten to block stop. (Pipes + Pistol)
-

Products implemented

Given the diversity of the products implemented by the users and the impossibility of listing all the characteristics of the chemical substances, their interactions and their evolution over time

SAMES KREMLIN can not be held responsible:

- ✓ The poor compatibility of materials in contact.
- ✓ inherent risks to staff and the environment.
- ✓ Wear and tear, maladjustment, malfunction of equipment or machines and the quality of the finished product.

The user will have to identify and prevent the potential dangers inherent to the implemented products such as /

- ✓ Toxic vapors
- ✓ Fire.
- ✓ Explosions.

It will determine the risks of immediate reactions or due to repeated exposures to staff.

SAMES KREMLIN declines any responsibility, in case of:

- ✓ Bodily or psychic injuries.
 - ✓ Direct or indirect material damage due to the use of chemical substances.
-

2 Environment



The equipment is installed on a horizontal, stable and flat ground (eg concrete slab).

Non-moving equipment must be fixed to the ground by suitable fasteners (spit, screws, bolts, ...) to ensure their stability during use.

To avoid risks due to static electricity, the equipment and its components must be grounded.

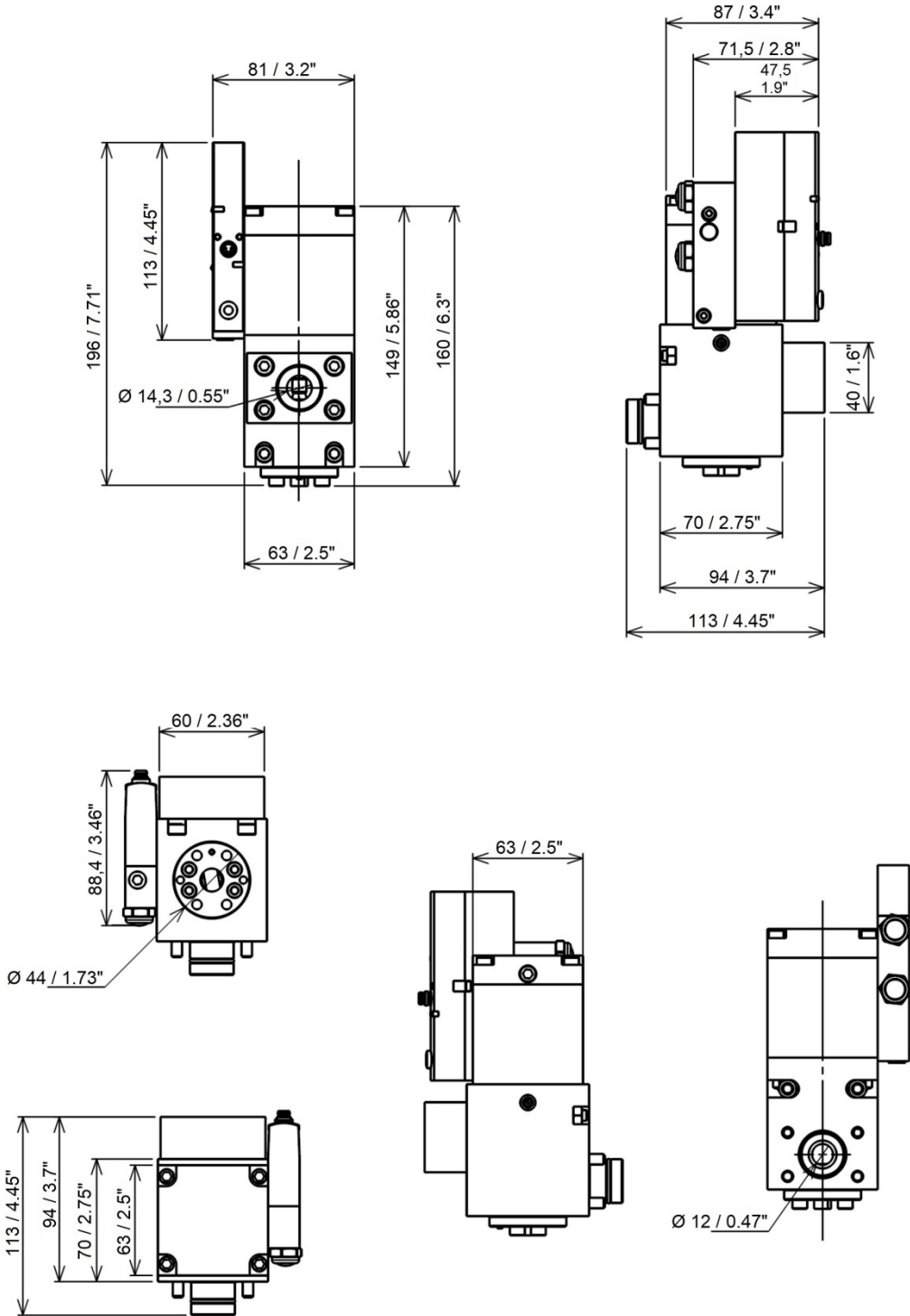
- ✓ **For dosing equipment** (pumps, elevators, chassis, etc.), a ground connector is available. Use this connector to connect the equipment to the general "earth".
- ✓ Have the earth continuity checked by a qualified electrician. If earth continuity is not assured, check terminal, wire and grounding point. Never operate the equipment without solving this problem.

-
- ✓ **Do not store** more flammable products than necessary inside the work area.
 - ✓ These products must be stored in **approved containers and grounded**.
 - ✓ Use only grounded **metal buckets** for the use of rinse solvents.
 - ✓ **Cartons and papers** are to be banned. They are very bad conductors, even insulators.
-

3 Presentation of the material

3.1 Equipment dimensions

Input valve



4 Technical characteristics and performances

4.1 Technical characteristics

E Dispense L1K

Characteristics	
Max product input pressure (bar)	500 bar / 7252 psi (feeding)
Max output pressure (bar)	500 bar / 7252 psi (place a string)
Air pressure (valve)	6 bar / 87 psi
Weight	4.7 kg / 10.36 lbs
Product connections	
Product input (inlet valve)	M 3/4" G (optional M 1/2" G)
Product output	M1/2"G (optional M1/4"G)
Connections	
Distributor Connectors	M 8
Instant connection for hose (feeding)	Ø 4x6

5 Installation

Valve

PNEUMATIC CONNECTIONS

Fit an air hose (□ 4x6) to supply the valve with compressed air. Connect it to the compressed air network via a pressure regulator.

ELECTRICAL CONNECTIONS

Connect the M8 connector control cable to the distributor

5.1 Connections

- ✓ Make sure that all connections of the components of the valve - cables, hoses and pipes - are installed in such a way as to avoid causing a fall of people.
 - ✓ Make sure that the order of connection of cables, hoses and hoses is in accordance with the connection diagram.
 - ✓ Ensure that all cable connectors, hose connectors and hoses are properly in place.
 - ✓ Remember that loose or incorrectly connected cables, hoses and pipes can lead to malfunctions that endanger the safety of the operating personnel.
-

5.1.1 Product supply connection



- ✓ If the supply pressure is higher than the max pressure, it is necessary to install a product pressure regulator in front of the valve.
-

- ✓ Ensure that a short product hose reduces pressure fluctuations and pressure drops.
-

5.1.2 Air supply connection

- ✓ Ensure that a short air duct reduces pressure fluctuations and pressure drops.
-

5.2 Storage

Valve

Storage before installation:

- ✓ Place the equipment away from moisture.
- ✓ Close the various air inlets and other openings with plugs.
- ✓ Storage ambient temperature: 0 / +50 ° C.
- ✓ Protect the unit against dust, water runoff, moisture and shocks.

Storage after installation:

- ✓ Operating temperature: +15 / +35 ° C.
 - ✓ Protect the unit against dust, water runoff, moisture and shocks.
-

6 Commissioning

Valve

The valves are tested in our workshops with petroleum jelly before shipping.

Before final commissioning, it will be necessary to purge the valve.

6.1 Prerequisite for commissioning

The valve works as a component of a product application system.

Ensure that the following preliminary functions are fulfilled to ensure proper operation:

- ✓ The entire product application system is completely assembled and ready for operation.
 - ✓ The complete product application system is ventilated.
 - ✓ Power and pneumatic supply are in use.
 - ✓ The pump has a product supply at a sufficient boost pressure.
-

7 Using the product

7.1 User Settings

Valve

If the lubrication option has been selected, fill the lubricant reservoirs "T".

7.2 Safety in production



Guards (motor cover, coupling guard, housings, ...) are set up for safe use of the equipment.

The manufacturer can not be held responsible in case of bodily injury as well as breakdowns and / or damage of the material resulting from the destruction, the occultation or the total or partial removal of the protectors.

7.3 Possible symptoms of faults / Causes of faults / Remedy to be applied - rapid operation

Valve remedies

Defaults	Possible causes	Remedies
The material no longer flows out the valve outlet	Clogged valve outlet	Check, clean and unclog the valve outlet if necessary
	The inlet valve did not open	Check the inlet valve, reassemble it or replace it if necessary. Refer to the procedures for the Inlet and Outlet Valve in the "Repair" section Check the distributor command, and the air supply. Change the distributor if necessary.
	Valve open and no material upstream	Check the material inlet at the valve inlet
Product continuously flows out of the valve	Valve closed, no needle seal / seat holder	Remove and clean the seat needle, check the condition and replace it if necessary
Product flows out through the leak detector	Seal wear and tear	Replace the seals

8 Maintenance



Attention

Only qualified **SAMES KREMLIN** personnel are authorized to carry out maintenance work.



Attention

It is imperative to carry out disassembly operations for 2 persons, the weight and size of the dispenser being important.



Attention

When stopping for a long time, first put the piston in the down position (bleed if necessary).



Attention

Before any intervention, it is imperative to follow the decompression procedure and the safety instructions.

8.1 Preventive Maintenance Plan



Attention

Before any intervention, it is imperative to follow the decompression procedure and the safety instructions.

During a prolonged stop, stop the dispenser when the piston is in the down position.

Periodicity	Sub-assembly	Operation to be performed	Charge prévue (hh:mm:ss)	Machine state	Tools	Quantity and description / ref. provider	Specialty
weekly (Sx1)	Valve	Check the condition of the hoses Detect leaks at fittings	00.01.00	Off Off			mechanic
		Drain the valve after a prolonged shutdown.		Off Off			mechanic
		<ul style="list-style-type: none"> Check the cleanliness of the tip and its tightness Clean or change the tip (dirt or cord defect) 		Off Off			mechanic
bimonthly (Sx2)		<ul style="list-style-type: none"> Checking the valve tightness Product leakage control 		On Run In Production	Controls auditory and visual		mechanic
monthly (Sx4)		Check the general condition of the equipment for cleanliness, absence of leaks and proper fixing	00:00:30	On Run In Production	Visual control		installation driver
		<ul style="list-style-type: none"> Cleaning with a cloth 		On Run In Production			installation driver
bimonthly (Sx8)		Check for material leakage	00.01.00	Off Off			mechanic
annually (Sx52)		Disassemble, clean, grease and replace the seals			Off Off		MAGNALUBE grease PTFE

9 Disassembly / reassembly operations



Attention

Only qualified **SAMES KREMLIN** personnel are authorized to carry out maintenance work.



Attention

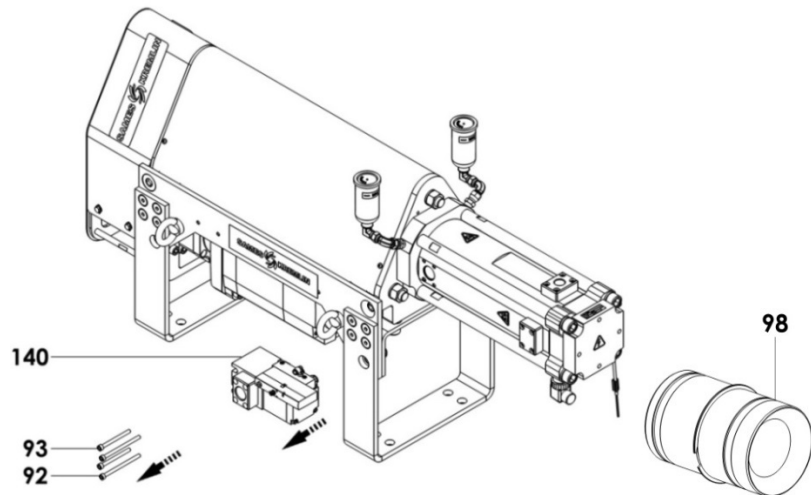
Before any intervention, it is imperative to follow the decompression procedure and the safety instructions.



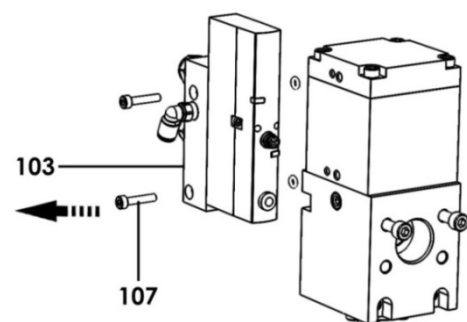
Attention

It is imperative to carry out disassembly operations for 2 persons, the weight and size of the dispenser being important.

9.1 Changing the cartridge



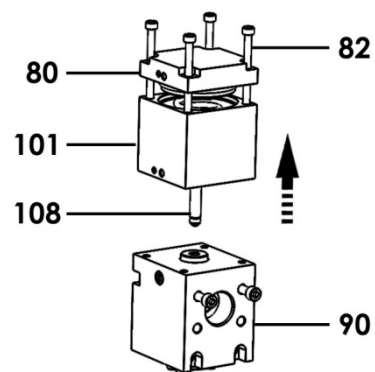
- ✓ Disconnect the M8 connector from the harness and the air supply hose.
- ✓ Unscrew the 2 screws (92) and the 2 screws (93) using a 5 mm BTR spanner.
- ✓ Remove the valve (140) from the dispenser.
- ✓ Remove the nipple (98) which has remained on either the valve or the dispenser cylinder.



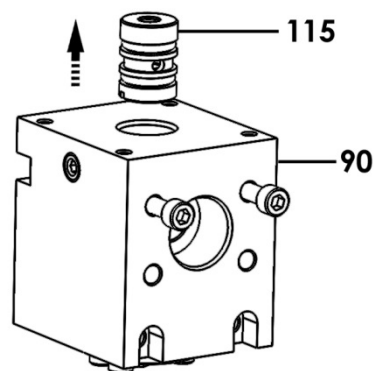
- ✓ Unscrew the 2 screws (107) using a 3 mm BTR spanner and remove the distributor subbase assembly (103).

Tools needed





- ✓ Unscrew screws 4 (82) using a 4 mm BTR key and remove the complete cylinder assembly (101) from the cover (80), do not remove the needle-piston assembly from the cylinder.

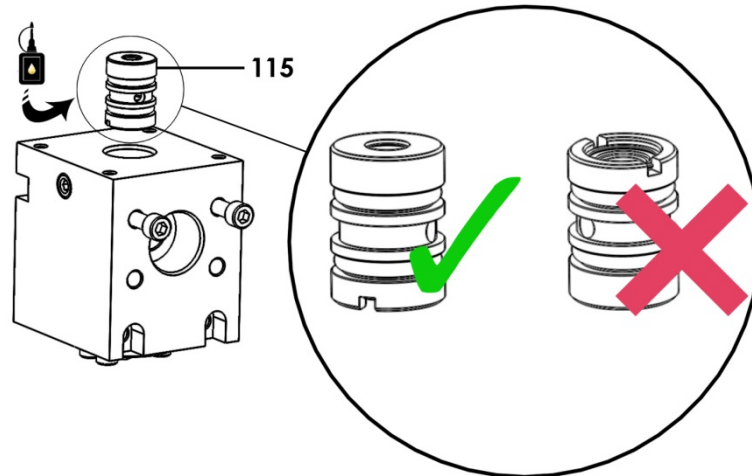


- ✓ Manually remove the cartridge (115).
- ✓ Clean the valve needle (108) and the cartridge housing in the valve block (90) before reassembly.

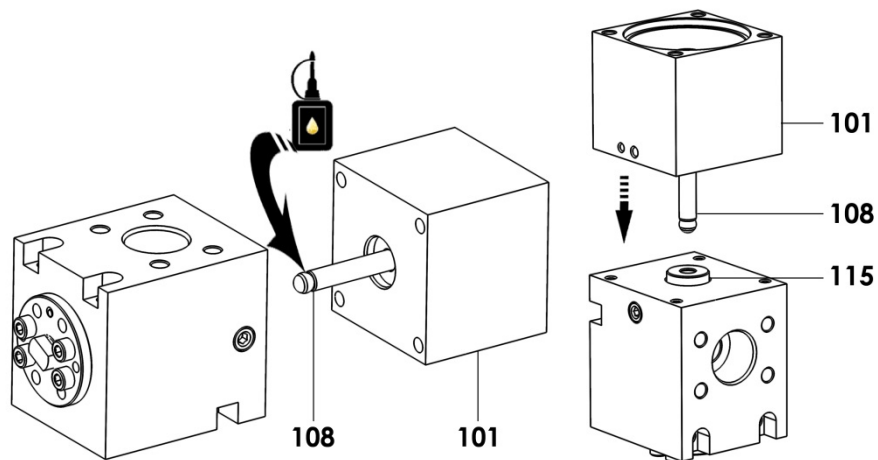
Tools needed



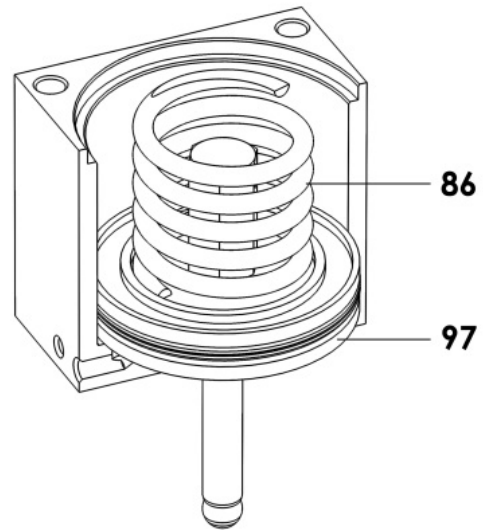
9.2 Mounting the cartridge



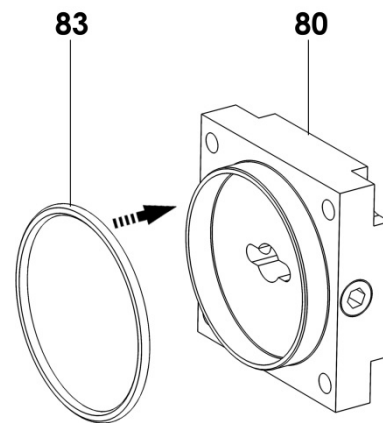
- ✓ Grease the outside of the cartridge and insert it into the valve block (90). Pay attention to the direction.



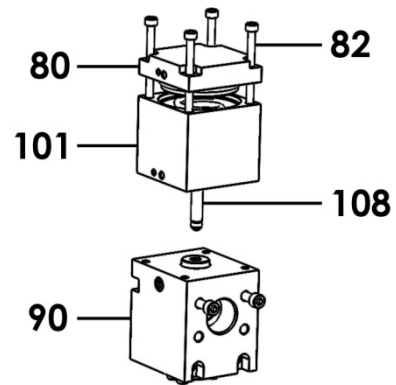
- ✓ Grease the tip of the needle (108) and insert the needle into the cartridge (115), taking the piston-spring cylinder assembly (101).



- ✓ Check the position of the spring (86) inside the cylinder and against the piston (97).



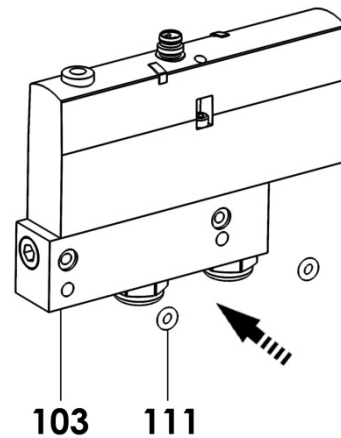
- ✓ Grease and put the seal (83) on the cover (80).



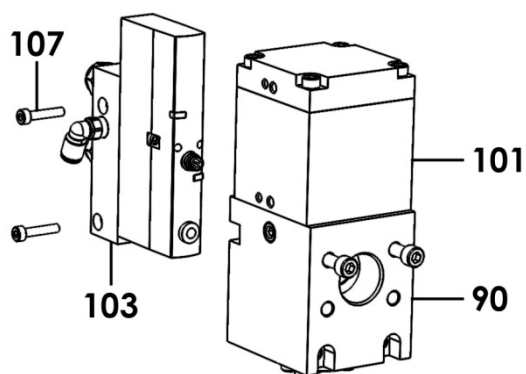
- ✓ Hold the cover (80) on the cylinder (101) and place the assembly on the valve block (90).

Note : Pay attention to the positioning of the hole for the distributor subbase assembly.

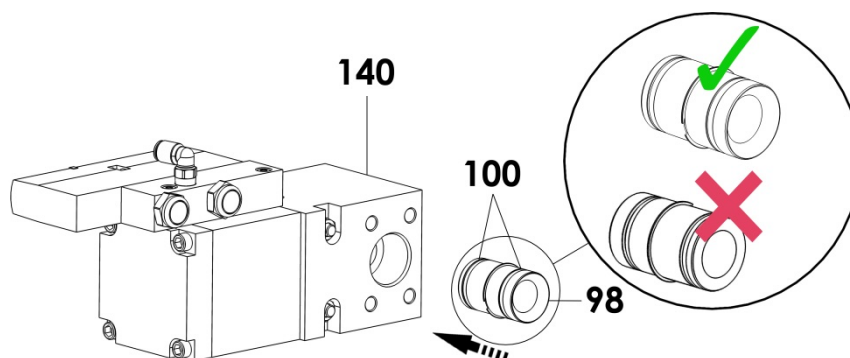
- ✓ Tighten the 4 screws (82) in staggered rows.



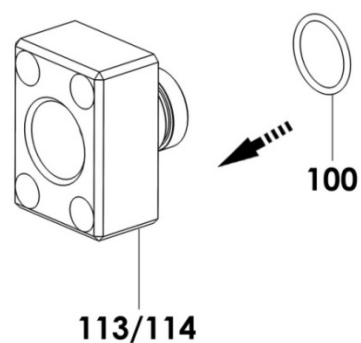
- ✓ Grease and fit the seals (111) on the distributor base (103).



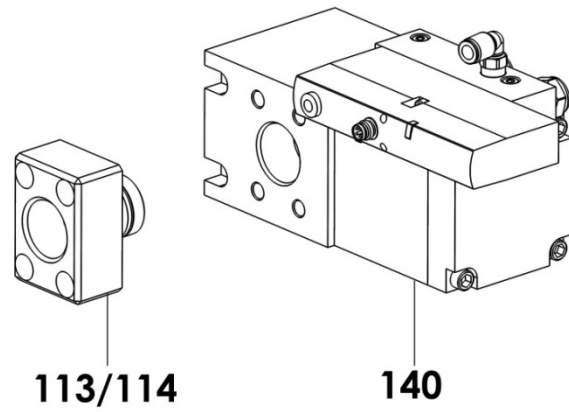
- ✓ Place the base plate against the cylinder (101) and tighten the 2 screws (107).



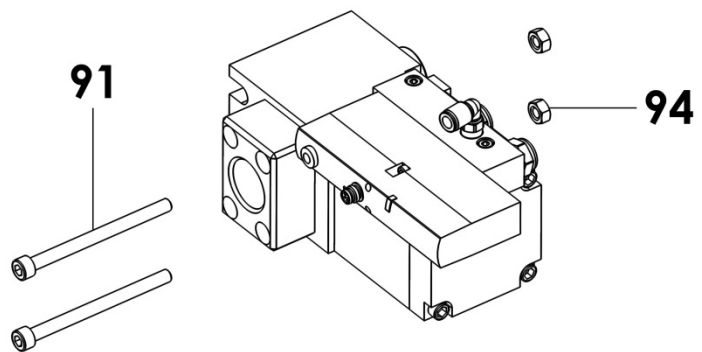
- ✓ Grease the seals (100) of the nipple (98) and put it in the hole of the valve cylinder, checking the direction.



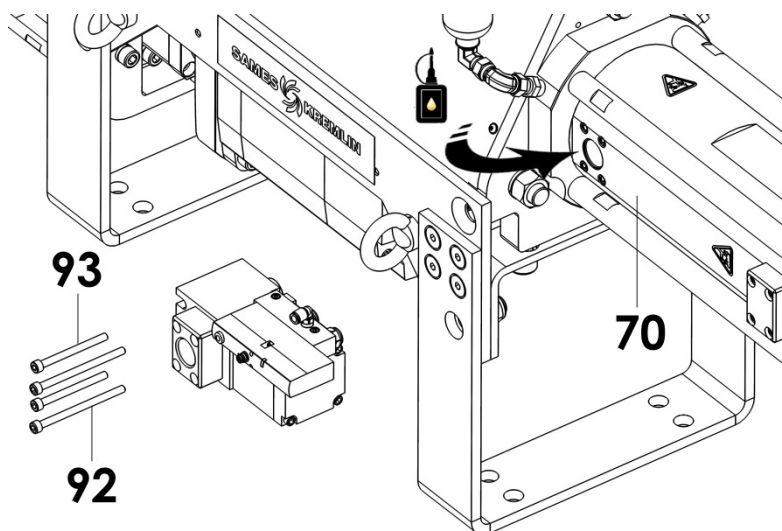
- ✓ Grease and change the seal (100) if necessary on the adapter (113 or 114).



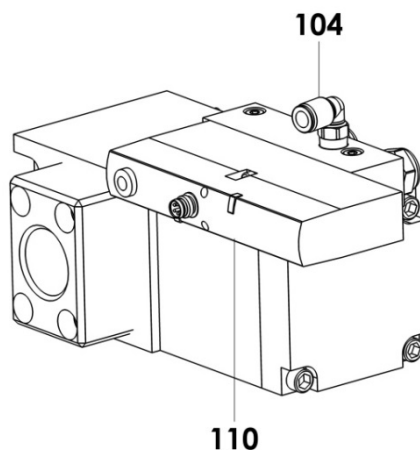
-
- ✓ Insert the adapter (113/114) into the valve block (140).



-
- ✓ Insert the 2 screws (91) and the 2 nuts (94) and pre-tighten.
-



- ✓ Grease the cylinder hole (70).
- ✓ Using a 5 mm BTR spanner, screw in screws (92) and (93) in the correct position along the length.
- ✓ Finish tightening all screws (92) (93) (91) with a torque spanner to a torque of 7.2Nm.



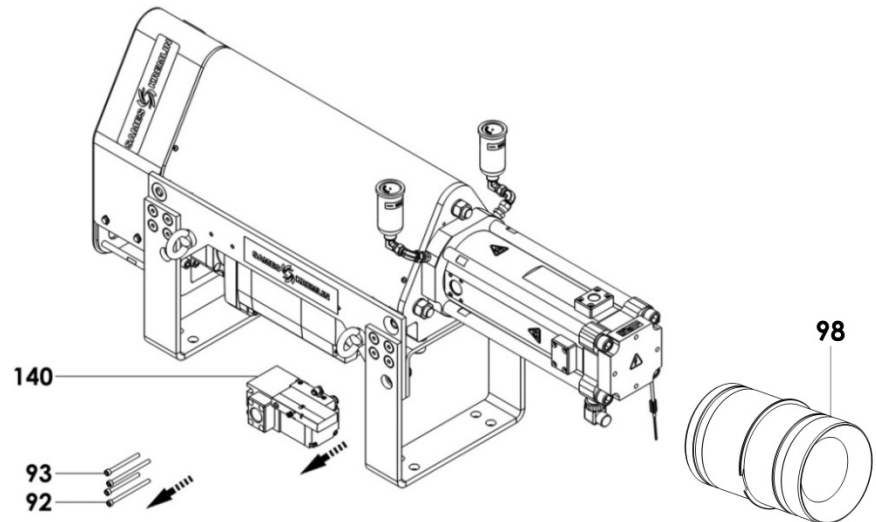
- ✓ Reconnect the M8 harness connector to the distributor (110) and the air supply hose to the connector (104).

Tools needed

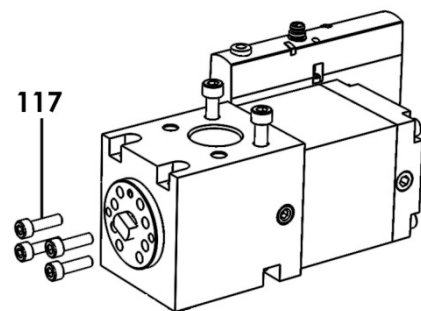
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9.3 Changing the seat



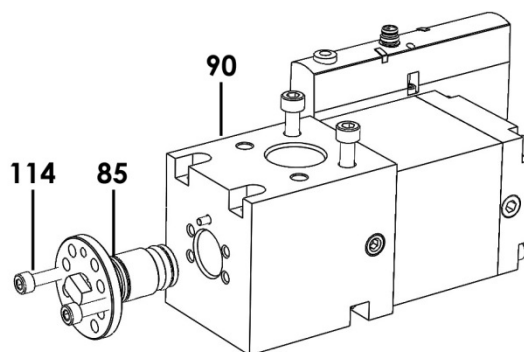
- ✓ Disconnect the M8 connector from the harness and the air supply hose.
- ✓ Unscrew the 2 screws (92) and the 2 screws (93) using a 5 mm BTR spanner.
- ✓ Remove the valve (140) from the dispenser.
- ✓ Remove the nipple (98) which has remained on either the valve or the dispenser cylinder.



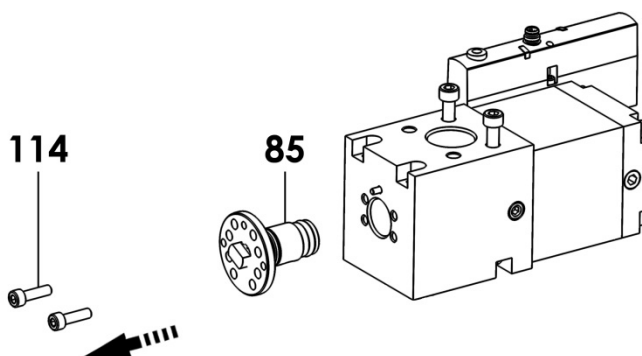
- ✓ Unscrew the 4 screws (117) using a 4 mm BTR spanner.

Outillage nécessaire





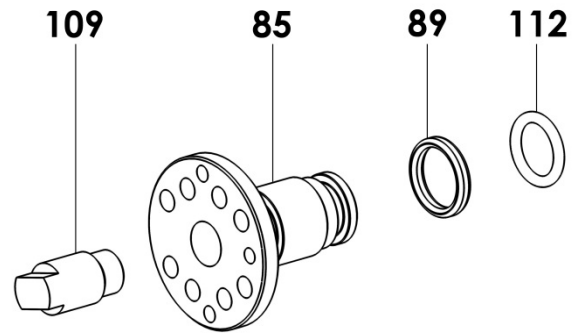
- ✓ Take 2 screws (114) and put them in the 2 threaded holes. Screw these screws with a 4 mm BTR spanner to remove the seat (85) from the valve block (90).



- ✓ Finish removing the seat (85) by hand and then remove the 2 screws (114).

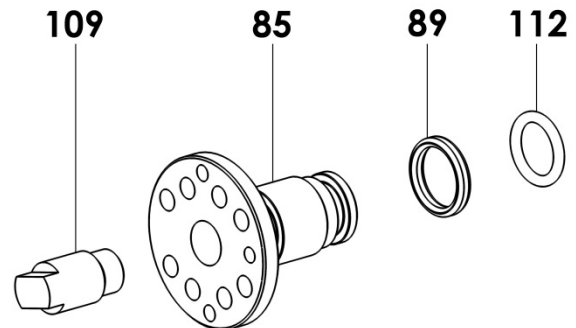
Tools needed



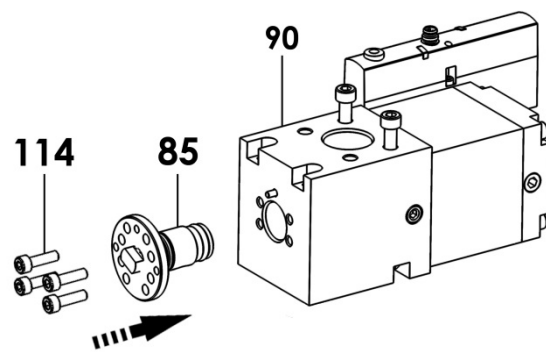


- ✓ Remove the seals (89) and (112), clean the seat (85) and the inside of the valve block housing (90) before installation.

9.4 Mounting the seat



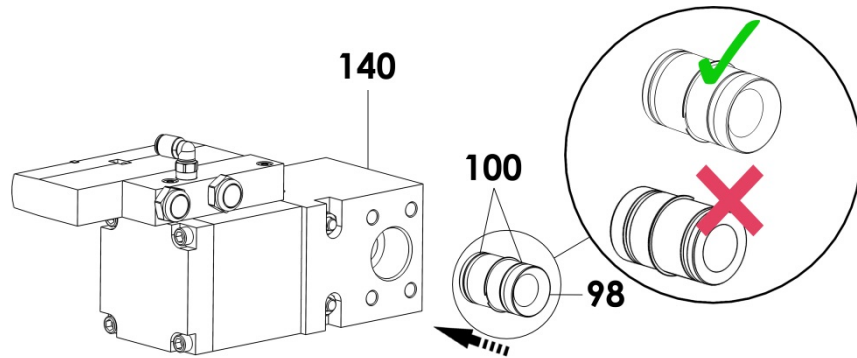
- ✓ Grease the end of the seat body (85) and insert the gasket (89), then the gasket (112), apply loctite 5772 glue and screw the plug (109) back on.



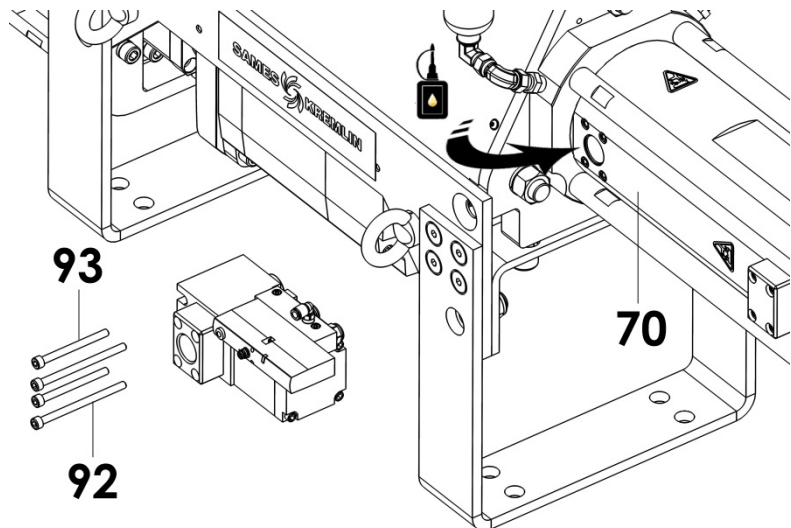
- ✓ Grease the surface of the seals and insert the seat (85) into the valve block housing (90). Pay attention to the positioning with the pin.
- ✓ Tighten the 4 screws (114) in staggered rows using a 4 mm BTR spanner .

Tools needed





- ✓ Grease the seals (100) of the nipple (98) and put it in the hole of the valve cylinder, checking the direction.

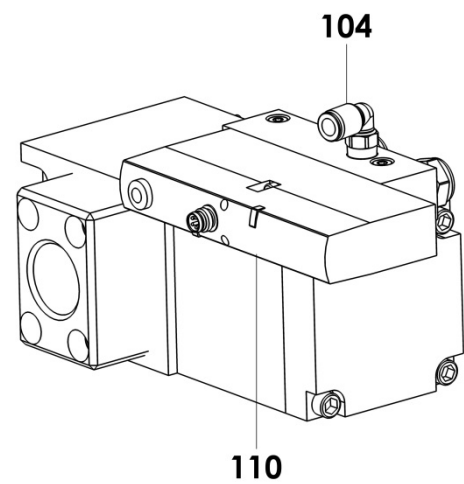


- ✓ Grease the cylinder hole (70).
- ✓ Using a 5 mm BTR spanner, screw in screws (92) and
- ✓ in the correct position along the length.
- ✓ Finish tightening all screws (92) (93) (91) with a torque spanner to a torque of 7.2Nm.

Tools needed

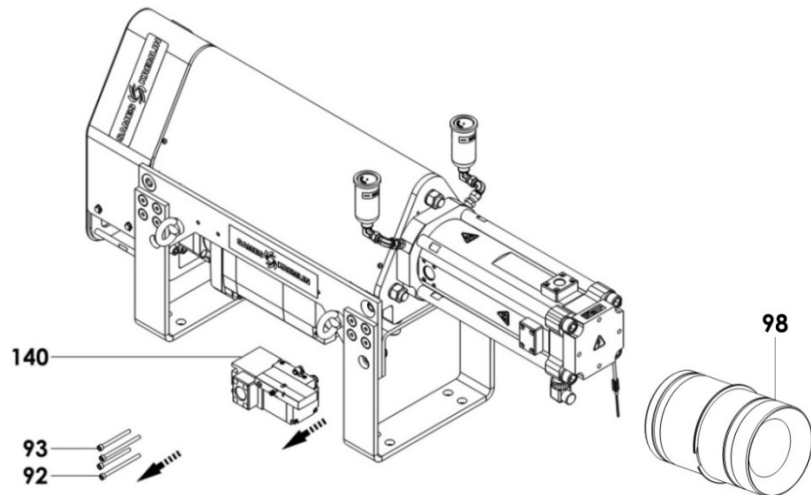
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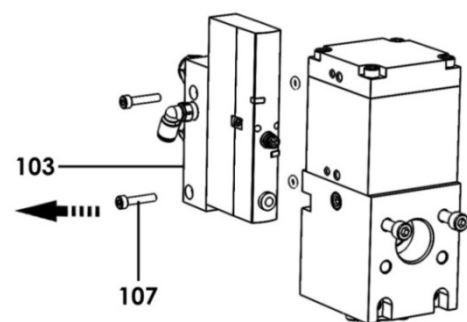


- ✓ Reconnect the M8 harness connector to the distributor (110) and the air supply hose to the connector (104).

9.5 Changing the needle



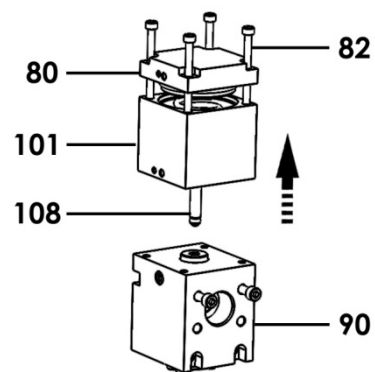
- ✓ Disconnect the M8 connector from the harness and the air supply hose.
- ✓ Unscrew the 2 screws (92) and the 2 screws (93) using a 5 mm BTR spanner.
- ✓ Remove the valve (140) from the dispenser.
- ✓ Remove the nipple (98) which has remained on either the valve or the dispenser cylinder.



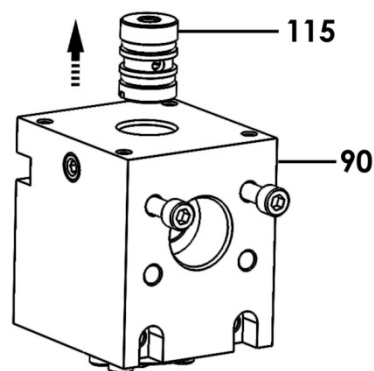
- ✓ Unscrew the 2 screws (107) using a 3 mm BTR spanner and remove the distributor subbase assembly (103).

Tools needed





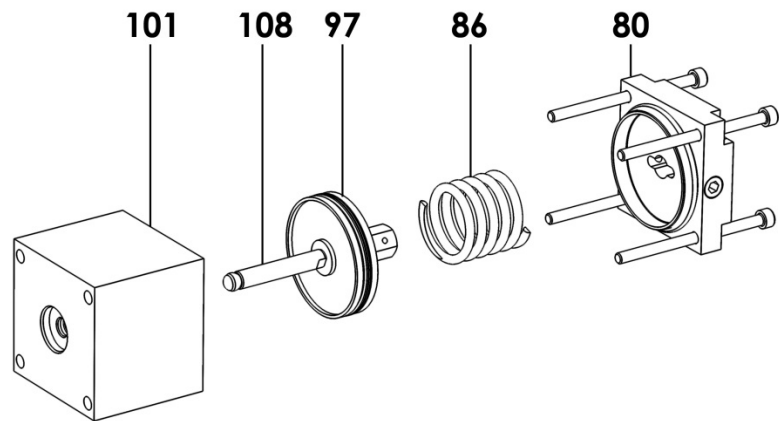
- ✓ Unscrew screws 4 (82) using a 4 mm BTR key and remove the complete cylinder assembly (101) from the cover (80), do not remove the needle-piston assembly from the cylinder.



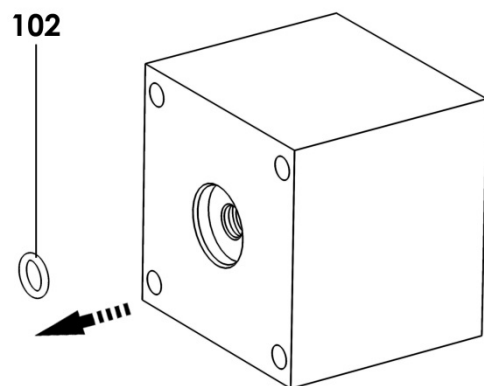
- ✓ Manually remove the cartridge (115).
- ✓ Clean the valve needle (108) and the cartridge housing in the valve block (90) before reassembly.

Tools needed

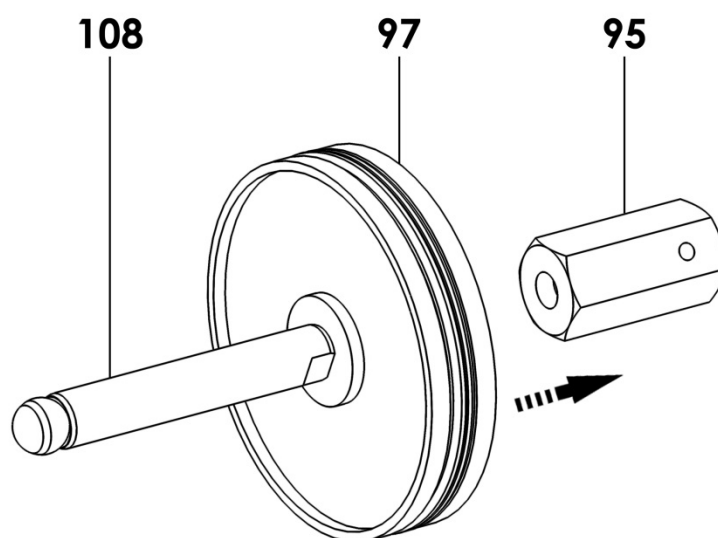




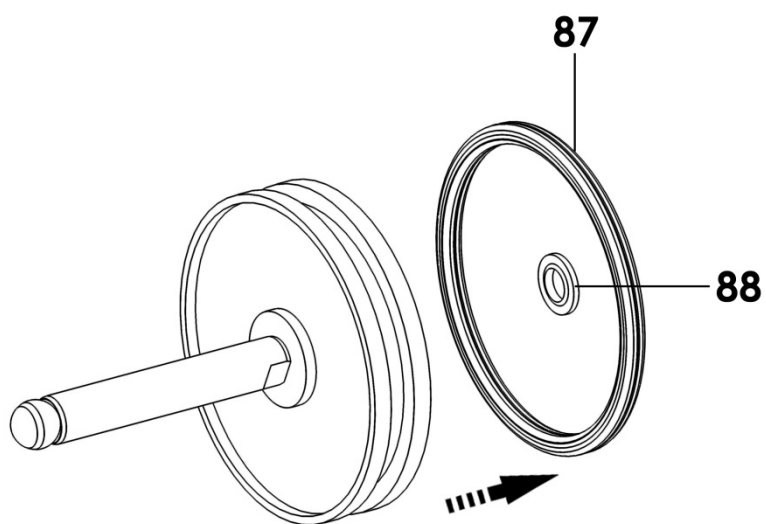
-
- ✓ Remove the spring (86) and pull the piston (97) / needle (108) assembly out of the cylinder (101).



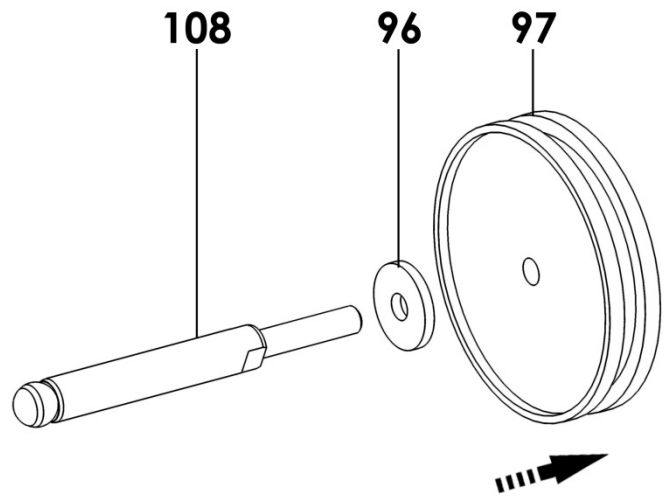
-
- ✓ Remove the seal (102).
-



-
- ✓ Unscrew the thrust nut (95) from the needle (108).

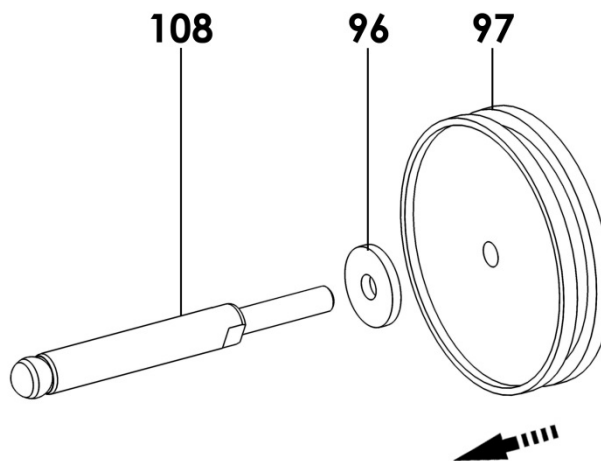


-
- ✓ Remove seals (87) and (88).
-

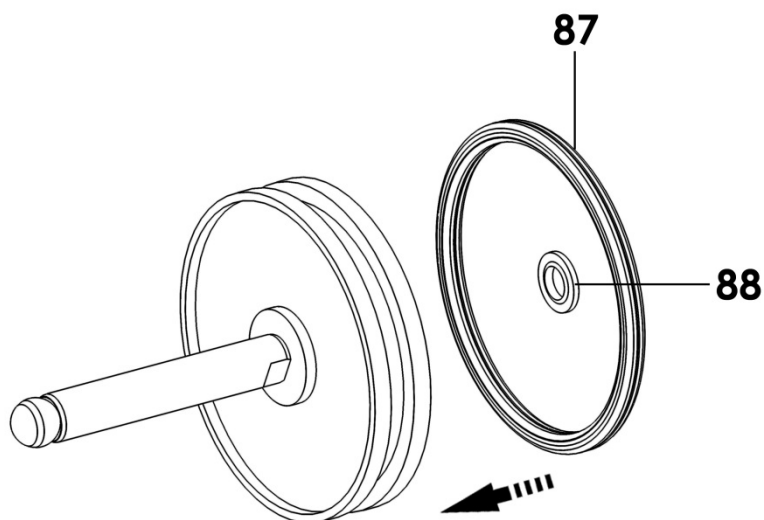


-
- ✓ Remove the piston (97) and washer (96) from the needle (108).
 - ✓ Clean all parts before installation.
-

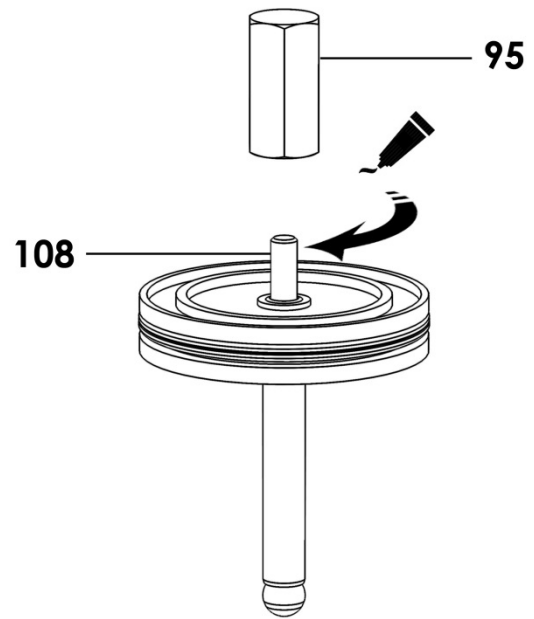
9.6 Mounting the needle



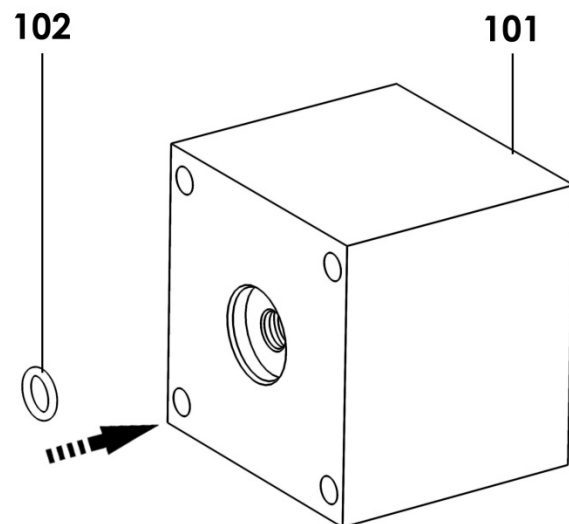
-
- ✓ Place the washer (96) and then the piston (97) in the pin of the needle (108).
-



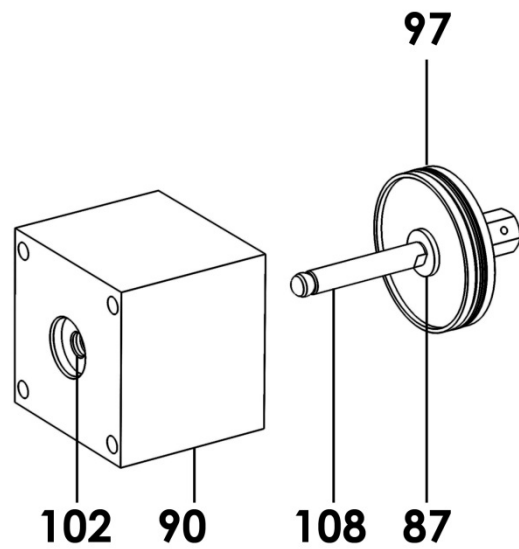
-
- ✓ Place the piston seal (87) and the seal (88) in the valve needle (108).
-



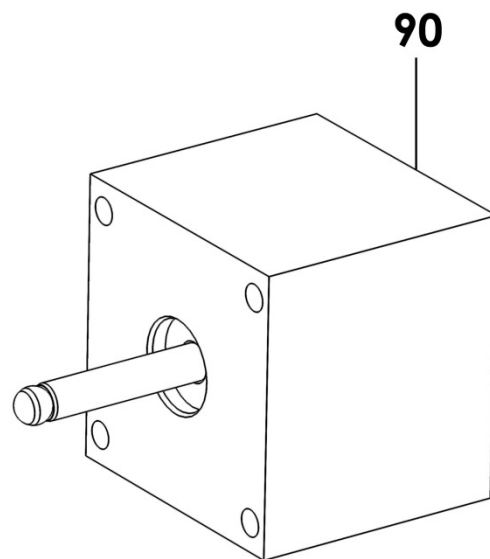
-
- ✓ Apply loctite 222 glue on the thread of the needle (108) and screw on the thrust nut (95).



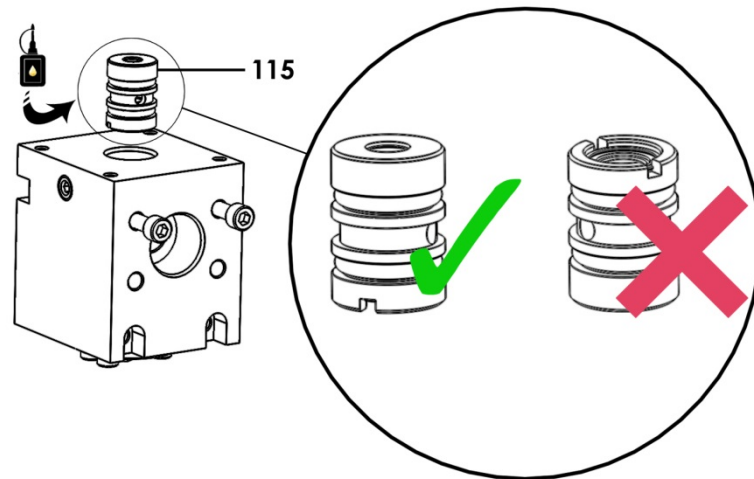
-
- ✓ Insert the seal (102) into the cylinder (101).
-



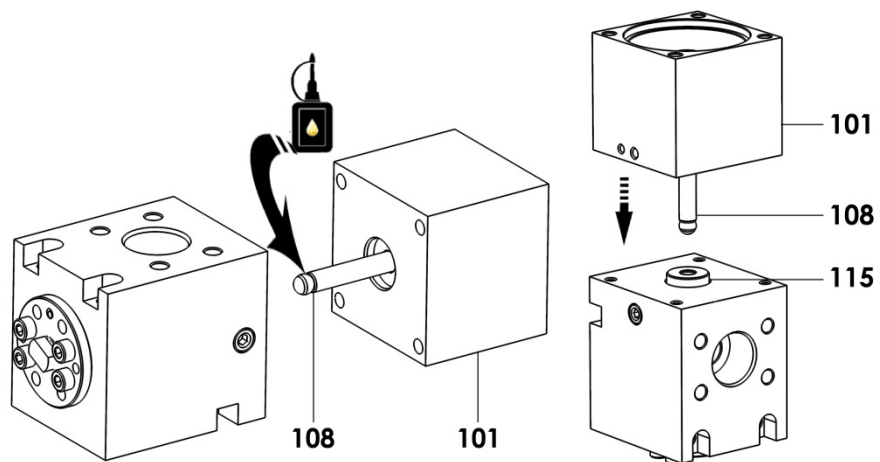
-
- ✓ Grease the inside of the valve block (90), as well as the seal (102) and the seal (87) on the piston (97).



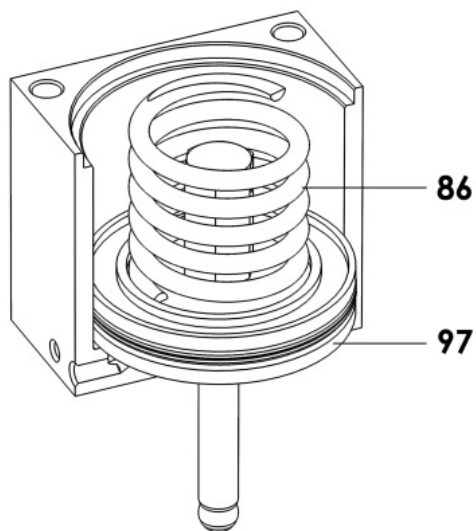
-
- ✓ Insert the piston assembly into the valve block (90).
-



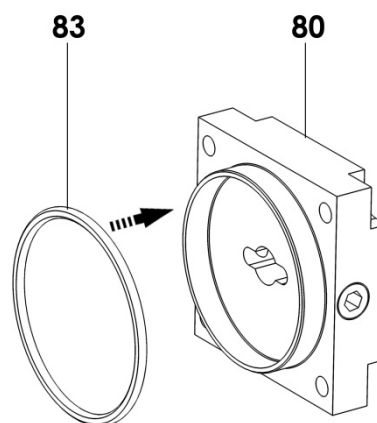
- ✓ Grease the outside of the cartridge and insert it into the valve block housing (90). Pay attention to the direction.



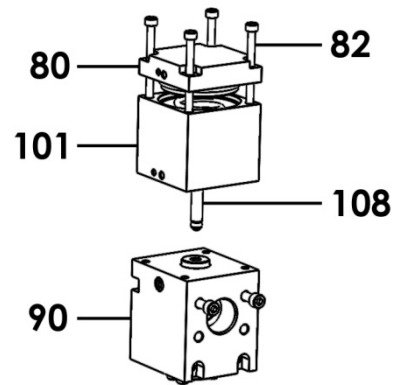
- ✓ Grease the tip of the needle (108) and insert the needle into the cartridge (115), taking the piston-spring cylinder assembly (101).



- ✓ Check the position of the spring (86) inside the cylinder and against the piston (97).



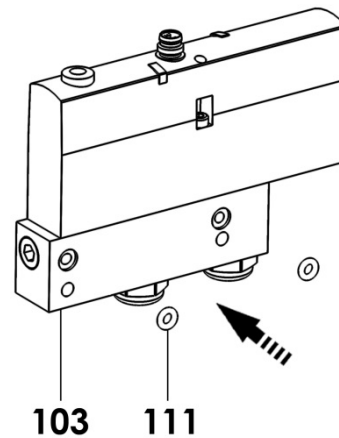
- ✓ Grease and put the gasket (83) on the cover (80).



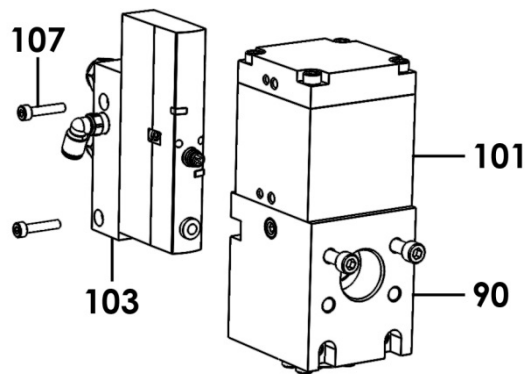
- ✓ Hold the cover (80) on the cylinder (101) and place the assembly on the valve block (90).

Note : Pay attention to the positioning of the hole for the distributor subbase assembly.

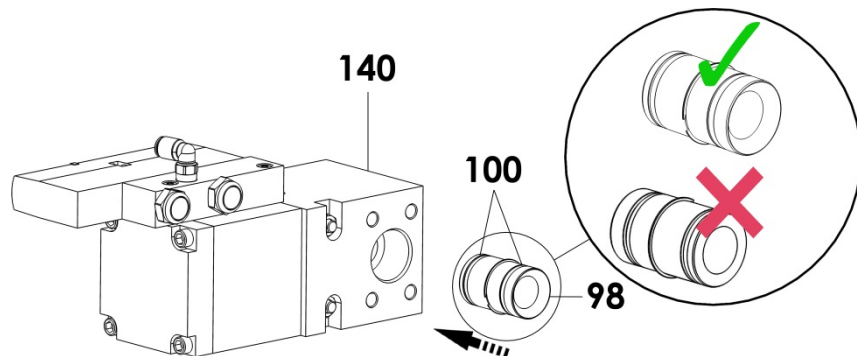
- ✓ Tighten the 4 screws (82) in staggered rows.



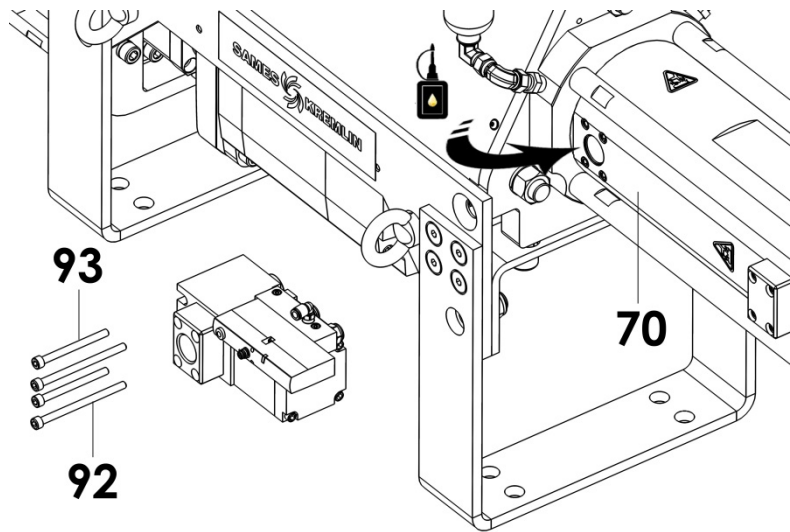
- ✓ Grease and fit the seals (111) on the distributor base (103).



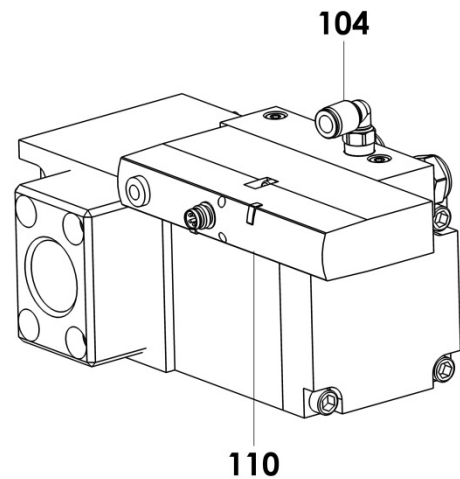
- ✓ Place the base plate against the cylinder (101) and tighten the 2 screws (107).



- ✓ Grease the seals (100) of the nipple (98) and put it in the hole of the valve cylinder, checking the direction.



- ✓ Grease the cylinder hole (70).
- ✓ Using a 5 mm BTR spanner, screw in screws (92) and (93) in the correct position along the length.
- ✓ Finish tightening all screws (92) (93) (91) with a torque spanner to a torque of 7.2Nm.



- ✓ Reconnect the M8 harness connector to the distributor (110) and the air supply hose to the connector (104).

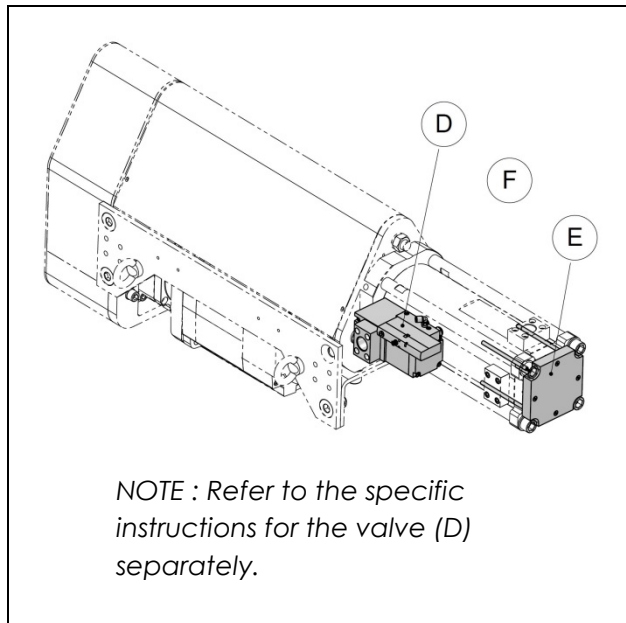
Tools needed**5**

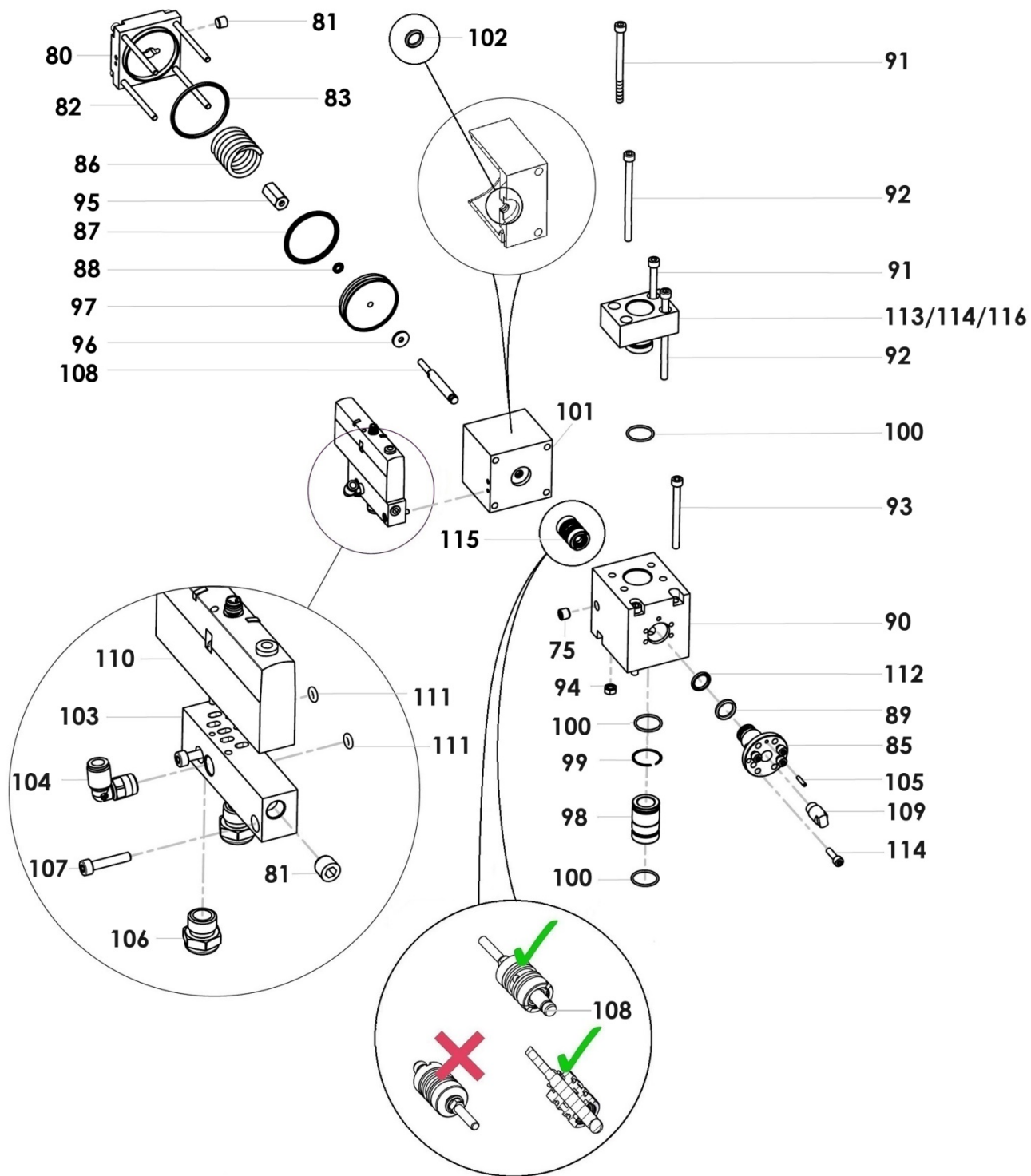
Instruction	Designation	Reference
Anaerobic Glue PTFE Waterproof Tube	Loctite 5772 (50 ml / 0.013 US gal)	554.180.015
Anaerobic adhesive low thread	Loctite 222 50 ml / 0.013 US gal)	554.180.010

10 Spare parts

Use only genuine **SAMES KREMLIN** accessories and spare parts designed to withstand the pump's operating pressures.

10.1 Doseur E dispense L1K





Ind	#References	Designation	Qty	Spare part level**
-	155 803 925	Kit cover	1	3
80	N.S.	▪ Valve cover	1	
81	N.S.	▪ Stopper	1	
82	N.S.	▪ Screw CHc M5x80 cl 8/8	4	
83	N.S.	▪ Seal NBR	1	
-	129 990 029	Pack of 2 1/8 "stoppers	1	3
-	155 803 922	Valve maintenance kit	1	1
	155 803 921	▪ Seat holder and valve needle L1K assembly	1	
108	155 802 004	▪ ▪ L1K valve needle	1	
85	155 802 005	▪ ▪ Seat holder	1	
109	N.S.	▪ ▪ Plug	1	
117	N.S.	▪ ▪ Screw CHc M5X18 cl 8/8	4	
86	207 018	▪ Compression spring	1	
100	N.S.	▪ Seal FKM	1	
-	N.S.	▪ Valve joint assembly	1	
87	N.S.	▪ ▪ Seal NBR	1	
88	N.S.	▪ ▪ Ring	1	
89	N.S.	▪ ▪ FKM O-ring	1	
83	N.S.	▪ ▪ Seal NBR	1	
100	N.S.	▪ ▪ Seal FKM	2	
102	N.S.	▪ ▪ Seal NBR	1	
111	N.S.	▪ ▪ Seal FKM	2	
112	N.S.	▪ ▪ Seal FKM	1	
115	155 802 030	▪ Valve cartridge assembly	1	

* Recommended maintenance parts.

**Level 1 : Preventive maintenance

N S: Denotes parts are not serviceable.

Level 2 : Corrective maintenance

Level 3 : Exceptional maintenance

Ind	#References	Designation	Qty	Spare part level**
*-	155 802 010	Valve joint assembly	1	1
87	N.S.	▪ Seal NBR	1	
88	N.S.	▪ Ring	1	
89	N.S.	▪ FKM O-ring	1	
83	N.S.	▪ Seal NBR	1	
100	N.S.	▪ Seal FKM	3	
102	N.S.	▪ Seal NBR	1	
111	N.S.	▪ Seal FKM	2	
112	N.S.	▪ Seal FKM	1	

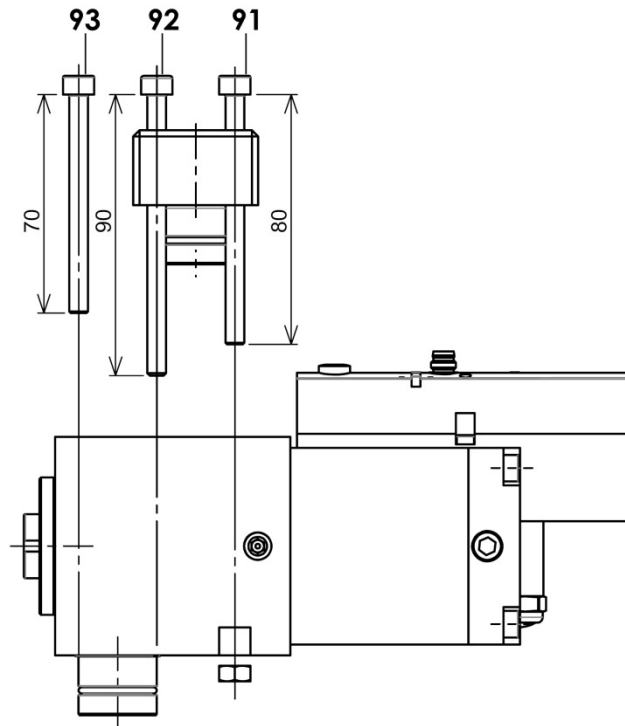
* Recommended maintenance parts.

**Level 1 : Preventive maintenance

N S: Denotes parts are not serviceable.

Level 2 : Corrective maintenance

Level 3 : Exceptional maintenance



Ind	#References	Description	Qty	Spare part level**
-	155 803 924	Valve block kit	1	3
90	N.S.	▪ Valve block	1	
91	N.S.	▪ Screw CHc M6x80 cl 10/9	4	
92	N.S.	▪ Screw CHc M6x90 cl 10/9	2	
93	N.S.	▪ Screw CHc M6x70 cl 10/9	2	
94	N.S.	▪ Nut H M 6	2	
75	N.S.	▪ Plug 1/8 "	2	
105	N.S.	▪ Pin	1	

* Recommended maintenance parts.

**Level 1 : Preventive maintenance

N S: Denotes parts are not serviceable.

Level 2 : Corrective maintenance

Level 3 : Exceptional maintenance

Ind	#References	Designation	Qty	Spare part level**
-	155 803 923	Valve piston kit	1	2
95	N.S.	▪ Thrust nut	1	
96	N.S.	▪ Washer	1	
97	N.S.	▪ Piston	1	
87	N.S.	▪ Seal NBR	1	
88	N.C.	▪ Ring	1	
-	155 803 928	Junction tube	1	3
98	N.S.	▪ Nipple	1	
99	N.S.	▪ Stop segment	1	
100	N.S.	▪ Seal FKM	2	
-	155 803 926	Valve cylinder kit L1K	1	3
101	N.S.	▪ Cylinder	1	
102	N.S.	▪ Seal NBR	1	
82	N.S.	▪ Screw CHc M5x80 cl 8/8	4	
83	N.S.	▪ Seal NBR	1	
-	155 803 927	Kit base valve L1K	1	3
103	N.S.	▪ Distributor base	1	
104	N.S.	▪ Elbow	1	
106	N.S.	▪ Silent	2	
107	N.S.	▪ Screw CHc M 4x20 cl 8/8	2	
81	N.S.	▪ Stopper	1	
-	155 803 921	Seat and valve seat kit L1K	1	1
108	155 802 004	▪ L1K valve needle	1	
109	N.S.	▪ Stopper	1	
85	155 802 005	▪ Seat holder	1	
114	N.S.	▪ Screw CHc M5X18 cl 8/8	4	

* Recommended maintenance parts.

**Level 1 : Preventive maintenance

N S: Denotes parts are not serviceable.

Level 2 : Corrective maintenance

Level 3 : Exceptional maintenance

Ind	#References	Designation	Qty	Spare part level**
110	903 050 547	Electro distributor	1	2
-	155 803 920	Valve fastening kit L1K	1	1
75	N.S.	▪ Drilled plug 1/8"	2	
82	N.S.	▪ Screw CHc M5x80 cl 8/8	4	
91	N.S.	▪ Screw CHc M6x80 cl 10/9	4	
92	N.S.	▪ Screw CHc M6x90 cl 10/9	2	
93	N.S.	▪ Screw CHc M6x70 cl 10/9	2	
94	N.S.	▪ Nut H M 6	2	
107	N.S.	▪ Screw CHc M 4x20 cl 8/8	2	
114	N.S.	▪ Screw CHc M5X18 cl 8/8	4	
115	155 802 030	Valve seal cartridge assembly	1	1
-	N.S.	▪ Cartridge body	1	
-	N.S.	▪ Seal NBR	1	
-	N.S.	▪ Seal FKM	3	
-	N.S.	▪ Washer	1	
-	N.S.	▪ Seal	1	
-	N.S.	▪ Stop segment	1	

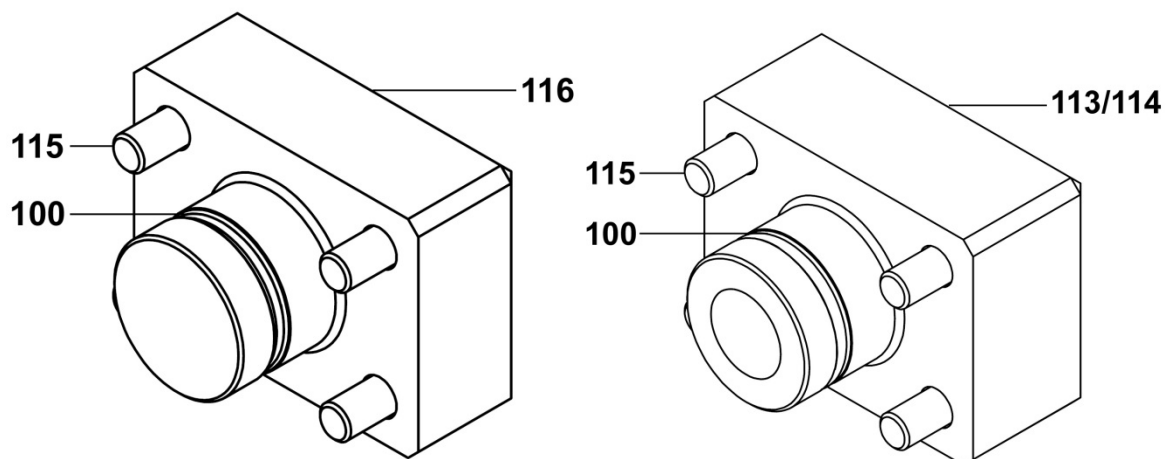
* Recommended maintenance parts.

**Level 1 : Preventive maintenance

N S: Denotes parts are not serviceable.

Level 2 : Corrective maintenance

Level 3 : Exceptional maintenance



Ind	# References	Designation	Qty	Spare part level**
*-	155 802 200	Stopper kit	1	3
116	N.S.	▪ Plug	1	
100	N.S.	▪ Seal Viton	1	
115	N.S.	▪ Screw CHc M 6X20 cl 12/9	4	
*-	155 802 205	MØ25 F1 / 2"G Adapter Kit	1	3
114	N.S.	▪ Adapter MØ25 F1 / 2 "G	1	
100	N.S.	▪ Seal Viton	1	
115	N.S.	▪ Screw CHc M 6X20 cl 12/9	4	
*-	155 802 210	MØ25 F3 / 4"G Adapter Kit	1	3
113	N.S.	▪ Adapter MØ25 F3 / 4"G	1	
100	N.S.	▪ Seal Viton	1	
115	N.S.	▪ Screw CHc M 6X20 cl 12/9	4	
*100	155 802 011	Pack of 10 seals	1	1

* Recommended maintenance parts.

**Level 1 : Preventive maintenance

N S: Denotes parts are not serviceable.

Level 2 : Corrective maintenance

Level 3 : Exceptional maintenance