

SULZER

Operating Instruction Manual

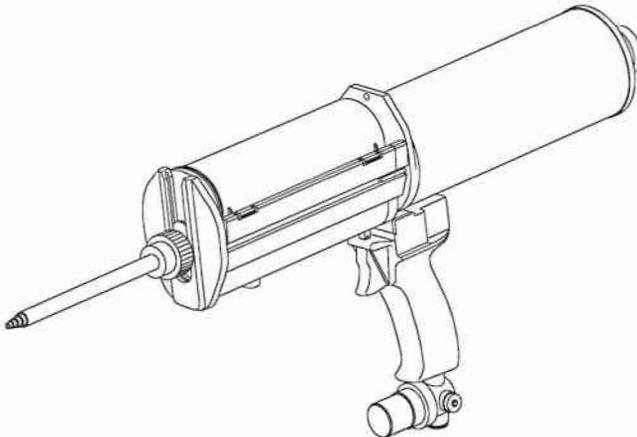
DP 200-70

DP 400-85

DP 400-100

Dispenser for

2-component adhesives



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Always keep this instruction manual easily accessible to users of the dispenser.

1. Safety instructions



Read through this dispenser Operating Instruction Manual carefully. For safe and reliable operation, it is essential for users to understand and follow all the safety instructions provided in the Manual.

Symbols used in the Manual and on the dispenser

	<p>INFORMATION Important information on installation, operation or maintenance.</p>
	<p>DANGER / CAUTION Risks or hazardous applications that can result in severe / fatal injuries or considerable material damage.</p>
	<p>WEAR GLOVES Failure to do so can result to serious personal injury</p>
	<p>WEAR SAFETY GOGGLES Failure to do so can result to serious personal injury</p>
	<p>CE The DP dispenser is marked with the CE symbol in compliance with the applicable European directives.</p>

Do not use the dispenser until you have read and understood the operating procedure and the instructions contained in this Operating Instruction Manual. The dispenser operates under high pressure.

Failure to follow these instructions can lead to inadvertent discharge of pressure or breakage of the dispenser at high pressure and may result in serious personal injury to the user or bystanders and/or property damage.

The following instructions must be read and strictly observed:

-  The user of the dispenser and any persons standing in the vicinity must wear safety goggles and gloves at all times during operation of the dispenser.
- The user should never point the barrel end of the dispenser at himself or in the direction of bystanders [animals] or objects during operation.
- Never open the pneumatic drive or attempt to remove.
- Handle the dispenser properly. Store in a cool dry place. Transport it carefully, with minimal vibration. Do not drop it to the ground or slam it on a bench or other workspace.
- Safety devices must not be removed, worked around, bypassed or deactivated during operation.
- Always comply with the warnings and notices on the device. Never, under any circumstances, remove these warnings and notices. Replace them immediately if they become detached or illegible.
- Do not remove, tamper or manipulate pressure limiting valve and strictly respect pressure limits.
- Check the dispenser for visible damage and defects before each use. The dispenser must only be used if it is in good working order. If you have any doubt about the condition of the dispenser, or if there are any signs of breakage or other damage, **immediately** stop using the device and send it for inspection and repair by a site authorized by the manufacturer.
- Keep the dispenser clean at any time. Failure to do so may result in malfunction of dispenser or bodily injury.
- Do not attempt to modify or repair the dispenser. Maintenance and repairs must be carried out exclusively by qualified specialists. No such work may be carried out while the dispenser is connected to the compressed air supply.
- Always follow safe workplace practices, such as making sure the air hoses are carefully routed so that neither you nor any other person can become entangled in the hoses or trip over them.
- Be cautious connecting and disconnecting air pressure hose.
- Always keep this instruction manual easily accessible to users of the dispenser.
- Only authentic Sulzer Mixpac spare parts may be used. Malfunctions or accidents may result if spare parts of other manufacturers are

used, and any warranty claims against the manufacturer will be considered void.

- Replace missing or damaged hazard warning labels / stickers.

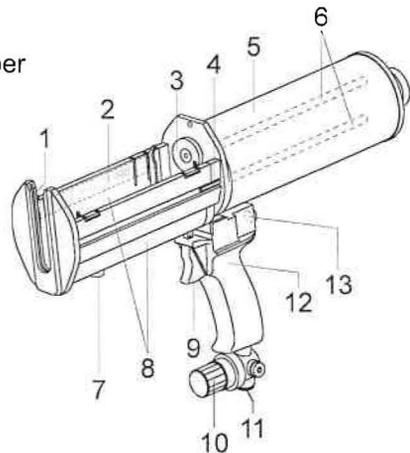
Modifications or changes to the dispenser by persons not authorized by the manufacturer and any failure to comply with the safety instructions given in the Operating Instruction Manual are dangerous and can lead to accidents with severe injuries and / or property damage.

Intended use of the dispenser

The dispenser has been developed for mixing and applying 2-component adhesives of various different formulas. Any other or additional applications shall be considered as nonconforming, i.e. not conforming to the intended use. The intended use also includes compliance with the instructions in this Operating Instruction Manual as a basic requirement.

2. Parts list for DP dispenser:

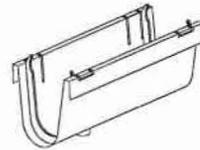
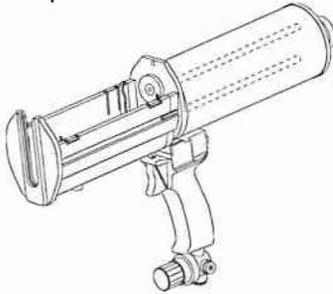
1. Cartridge guide
2. Type designation and serial number
3. Plunger
4. Dispense volume indicator
5. Pneumatic drive unit
6. Piston rods
7. Cartridge ejector button
8. Cartridge sleeve
9. Trigger
10. Pressure limiting valve
11. Compressed air supply
12. Handle
13. Red button (retract piston rod)



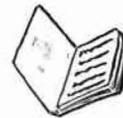
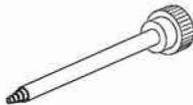
3. Preparing the dispenser for use:

Package contents

- Dispenser
- Cartridge sleeve



- Mixer (not supplied)
- Operating Instruction Manual



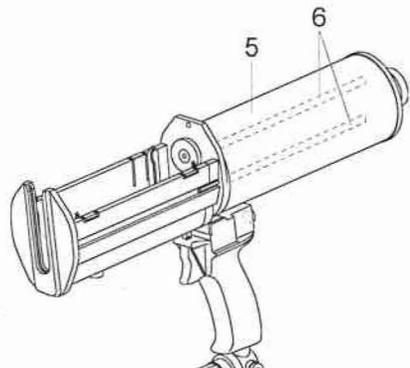
Preparation for use



Users must read and understand the Operating Instruction Manual before first use of the dispenser.

Operating principle

The air pressure is reduced by the pressure reduction valve (10). The piston rods (6) are pushed out of the housing by the pneumatic piston of the drive unit (5), thereby forcing the component compounds A and B through the mixer.





The dispenser operates under high pressure. Failure to follow the instructions in this Manual can lead to inadvertent release of pressure, or breakage of the dispenser at high pressure and may result in serious personal injury to the user or bystanders and/or property damage.

Preparing the dispenser

- Remove the protective cap (11) from the pressure reduction valve (10).
- Install a ¼" BSP adapter (external thread) on the inlet side of the pressure reduction valve, ready for the quick-release coupling.
- Use a highly flexible pneumatic hose of size DN6 with a quick-release coupling matching the adapter.



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Caution: **DANGER OF CRUSHING.**

Never place your hands or fingers between the plunger and the cartridge.



The input pressure of the compressed air must not exceed max. 8 bar (max. 120 psi). Requirements for the compressed air supply (see Technical Data).



Strictly follow the manufacturer's safety instructions for the 2-component adhesive.

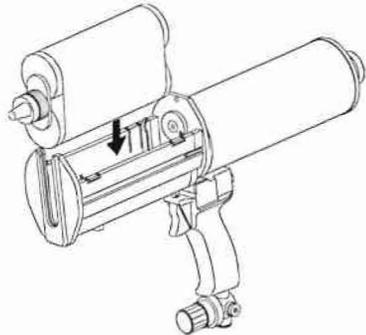
4. Operation of the dispenser

Insert cartridge

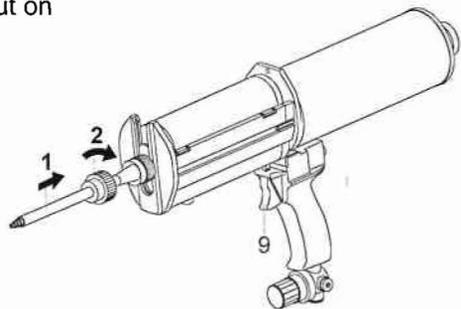


Never insert the cartridge while the dispenser is connected to the compressed air supply.

Push the cartridge into the cartridge sleeve as shown in the drawing and press it down until it clicks into position. To remove the cartridge stopper, unscrew the cap nut of the cartridge.



Fasten the mixer using the cap nut on the cartridge outlet thread.



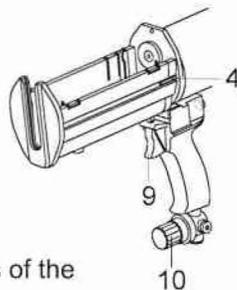
If the cartridge is not in the correct position, the trigger (9) cannot be pressed.

Connect the dispenser to the compressed air supply

Connect the compressed air hose to the compressed air inlet via the quick-release coupling.

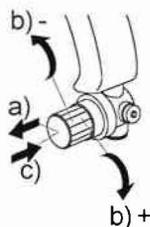
Dispensing the adhesive

Press the trigger (9). Dispensing is started, and the red dispense volume indicator (4) moves forward. When the trigger (9) is released, dispensing stops.



The dispense volume can be controlled by means of the pressure reducing valve (10).

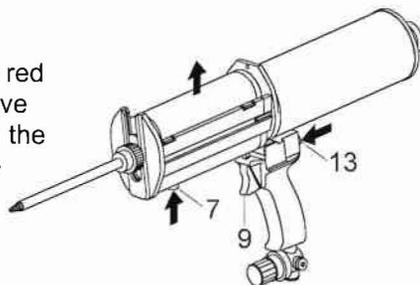
- a) Pull the pressure reduction valve.
- b) Adjust the dispense volume by turning the adjuster in the + or – direction.
- c) Press the pressure reduction valve to confirm the set value.



Do not remove, tamper or manipulate pressure limiting valve and strictly respect pressure limits.

Removing the cartridge

Release the trigger (9) and press the red button (13) until the feed plungers have retracted to the back end-stop. Using the release button (7), push the cartridge out of the cartridge retainer and pull it upwards out of the unit.



Dispose of the cartridge and mixer in conformity with the manufacturer's specifications.

5. Troubleshooting:

Problem	Potential Cause	Remedy
Plunger discs cannot enter the cartridge	Cartridge not fully inserted in cartridge bed	Check that there is no foreign matter in the cartridge bed. Push the cartridge fully down into the cartridge bed. Mind your fingers.
The cartridge cannot be removed from the dispenser.	The plunger discs are still in position inside the cartridge.	Press the red button to fully retract the plunger discs to the back end-stop.

6. Maintenance and repair:

Notices



All maintenance and repairs must only be carried out by sites authorized by the manufacturer and exclusively by qualified and suitably trained personnel.



Always disconnect the compressed air supply from the dispenser during maintenance and repairs.



Never open the pneumatic drive unit. If the pneumatic drive unit is or appears to be in need of maintenance or repair, contact a Sulzer Mixpac authorized Service Center. **Keep the dispenser clean at any time. Failure to do so may result in malfunction of dispenser or bodily injury.**

Do not use aggressive cleaning products to clean the surface of the device.

Information for ordering spare parts:

When ordering spare parts, please provide the following information:

- Serial number
- Dispenser type
- Product description / spare part

7. Technical data:

Operating pressure:	max. 6 bar (max. 87 psi)
Compressed air supply:	max. 8 bar (max. 120 psi)
Air requirements:	ISO 8573-1 2.4.2
Pressure adjustment:	Infinitely variable
Sound level:	83 dBA
Weight:	DP 200-70 1.6 kg
	DP 400-85 2.2 kg
	DP 400-100 2.4 kg

8. Codes and standards applied:**8.1 Codes:**

2006/42/EC: Machinery Directive

8.2 Standards:

EN ISO 8573-1:2000 Compressed air quality classes

Original manual written in German