



Operating manual

Hand pump OK 9

Item no.: 122 023 000, 122 033 000, 122 043 000, 122 053 000, 122 021 000

Translation of the
original operating manual
GB

Important!

The operating manual is always to be read before commissioning the equipment. No warranty claim will be granted for faults and damage to the equipment arising from insufficient knowledge of the operating manual.

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Table of content

1.	Safety instructions	3
2.	General information	5
	2.1.Description / Appropriate use	5
	2.2.Permissible media	5
	2.3.Technical data	5
	2.4.Accessories	6
3.	Installation	6
	3.1.Protection against unauthorised use.....	6
4.	Operation	6
	4.1.Commissioning.....	6
	4.2.Normal operation.....	6
5.	Maintenance	7
6.	Disposal.....	7

1. Safety instructions

The device is a state of the art piece of equipment and has been constructed according to recognised safety specifications. It is nevertheless possible that use of the device will present hazards to the operator or to third parties, or may damage the device or other property. It is therefore essential to act in accordance with these safety instructions, and in particular with those sections identified as warnings.

Warning notices and symbols

In the operating manual, the following signs are used for highlighting important information.



Special information for economical use of the equipment.



Special information or "dos and don'ts" for damage prevention.



Information or "dos and don'ts" for the prevention of damage to persons or equipment.

Appropriate use



The device may only be used if it is in perfect condition, and then only for its intended purpose, in compliance with all safety regulations, with an awareness of the potential risks, and according to the operating manual. Any faults that may impair the safety must be rectified immediately.



The device and its components are only to be used for handling the liquids listed and the purpose described. Using the machine for any other purpose would constitute inappropriate use. The manufacturer is not responsible for any loss arising as a result of this, the risk for this is borne only by the operating company.


Organisational measures

- ! This operating manual should always be kept readily available at the site of operation! Each person concerned with the assembly, commissioning, maintenance and operation of the equipment must have read and understood the entire operating manual. It is essential that the type plate and the warning notices attached to the device are observed, and are maintained in a fully readable condition.
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Qualified personnel

- ! The operating, maintenance and assembly personnel must be appropriately qualified for their work. The areas of responsibility, competences and supervision of the personnel must be precisely regulated by the operating company. If the personnel do not have the required knowledge, they must be trained and instructed. The operating company must also ensure that the contents of the operating manual are properly understood by the personnel.
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Waters protection

-  The device has been designed to handle water hazardous substances. The regulations on the operating place (e.g. Water Resources Act WHG, = ordinance on installations for handling of substances hazardous to water VAWS) must be adhered to.
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Hydraulics

-  Only persons with special knowledge and experience with hydraulic systems may carry out work on hydraulic parts and equipment. All lines, hoses and screw joints should regularly be checked for leaks and visible external damage. Any damage must be rectified immediately. Any oil spurting out can cause injuries and fire. The relevant safety regulations for the product must be followed when handling oils, greases or other chemical substances!
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Maintenance and Service

-  According to the regulations of the water resources law only authorized services may work on devices for flammable and/or water endangering substances. During such works, appropriate tools are to be used (avoid sparking). Before any kind of work on the device, all fuel lines are to be completely emptied and aerated. Do not make any changes. Modifications or additions to the device which may affect the safety cannot be carried out without consent of the manufacturer. Exclusively genuine spare parts made by the manufacturer may be used.
-

Electric power

-  Work on the electrical equipment may only be carried out by a qualified electrician or by trained persons under the guidance and supervision of a qualified electrician according to electro-technical guidelines. Machine or system components, on which inspection, maintenance or repair work is to be carried out must be de-energised.
-

2. General information

2.1. Description / Appropriate use

The OK 9 is a simple-action hand pump for pumping the media listed below from barrels, drums and overground storage tanks. Installation is made easy with the threads integrated in the housing. All OK 9 models (apart from OK 9 B LM) are delivered with a suction pipe for an immersion depth of 840mm, that fits to 200 l upright drums. The pump lever can be locked to the pump head with a conventional padlock (the lock is not included in the scope of supply).

2.2. Permissible media

The OK 9 may be operated with the following media:

- Motor oil to SAE 80
- Gearbox oil to SAE 80
- Hydraulic oil to SAE 80

2.3. Models

OK 9 B	Item no.: 122 023 000
OK 9 BS	Item no.: 122 043 000
OK 9 B LM	Item no.: 122 021 000
OK 9 C	Item no.: 122 033 000
OK 9 CS	Item no.: 122 053 000

The models differ in barrel connection, suction pipe and outlet.
See technical data for details.

2.4. Technical data

Type		OK 9 B	OK 9 BS	OK 9 B LM	OK 9 C	OK 9 CS
Item number		122 023 000	122 043 000	122 021 000	122 033 000	122 053 000
Pump dimensions	Height	approx. 390 mm	approx. 300 mm	approx. 390 mm	approx. 390 mm	approx. 300 mm
	Width	approx. 220 mm	approx. 110 mm	approx. 220 mm	approx. 220 mm	approx. 110 mm
	Depth	approx. 120 mm	approx. 120 mm	approx. 120 mm	approx. 120 mm	approx. 120 mm
Immersion depth		840 mm	840 mm	-	840 mm	840 mm
Stiff suction pipe						
Barrel connection		G2"	G2"	G3/4" for quick disconnect drums	M 64 x 4 and G2"	M 64 x 4 and G2"
Outlet		Drip tight outlet	Outlet clip for hose connection	Drip tight outlet	Drip tight outlet	Outlet clip for hose connection
Pump type		Single-acting reciprocating piston pump				
Pumping capacity		approx. 0.25 l/stroke				
Permitted ambient temperature		-20° - +40° C				
Permissible media temperature		Depends on medium; min. -20 °C max.+40 °C				

2.5. Accessories

235 460 000	Telescopic suction pipe for immersion of 490 to 925 mm
308 103 100	Hose set 1.5 m DN 19x4 HORN 40X, with discharge bend AK 20
308 303 100	Hose set 1.5 m DN 19x4 HORN 40X, with discharge bend AK 20

3. Installation

Completely remove all packaging material. The pump is now ready to use.

- ! **Operation without filter is not permitted. An exception may only be made when it has been ensured that only clean media will be delivered.**

3.1. Protection against unauthorised use

The pump lever can be locked to the pump head with a standard padlock (lock not included in the delivery package).

4. Operation

- ! **Operation without a filter is not permitted. The exception only applies if it can be ensured that a clean medium is conveyed.**



Ensure that the pump does not become hot during pumping – danger of explosion.



Ensure that no unduly heated mediums are pumped - danger of explosion.



Continuous dry running can cause the damage of the pump.

4.1. Commissioning

- 1) Place the outlet pipe into a tank or other suitable container.
- 2) Move the lever backwards and forwards until medium emerges from the outlet pipe.

Model OK 9 B LM: Screw on the quick disconnect adapter (not included) onto the OK 9. Follow the quick disconnect operating manual for installing the quick disconnect.

4.2. Normal operation

Move the lever backwards and forwards until the desired quantity has been pumped out.

5. Maintenance

As soon as the flow rate decreases markedly, you should check the filter in the suction pipe and, if necessary, clean it.

Periodically check the delivery hose and the connecting elements for leaks. Defective seals and pipelines must be replaced immediately.

6. Disposal

The device is to be emptied completely and the liquids properly disposed of in case it is taken out of service.

The equipment is to be disposed of properly when taken permanently out of service:



- Return old metal for recycling.
- Return plastic parts for recycling.
- Return electronic waste for recycling.



The water legal regulations are to be followed.

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