

Operation Manual

Pneumatic Oil Extractor

61972



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

Safety instruction

- Place the device in such manner that nobody can step on, fall over and/or damage cables. Make sure that the device is sufficiently cooled by ambient air and avoid heat build-ups.
- For cleaning, only use a damp cloth. Avoid using cleaning agents and make sure that no liquid penetrates the device.
- There are no serviceable parts inside this device. Leave maintenance, checks and repairs to qualified personnel. Keep this operation manual at a safe place.
- The oil extractor is not suitable for extracting solvents, petrol, lyes, or acids.
- Obey the local regulations for the disposal of used oil.
- Avoid excessive contact with used oil. Frequent contact or long-term contact might lead to skin damage and illness.
- Always wear suitable safety equipment such as protective gloves and clothing while using the device.
- Keep the extractor clean and well-maintained.
- Always work with the greatest care and precaution.
- Do not exert excessive force on the device.
- Never exceed the pressure values specified.
- Dress appropriately during work. Wear suitable protective equipment and avoid wearing loose clothes and jewellery. Tie long hair together.
-  Immediately clean up spilled oil. **Slip danger!**
- Place the device on a horizontal, clean, and dry surface. Also make sure that the surface tolerates the loading weight.
- Make sure that all connections are tight. If connections happen to leak, the device should not be used.
- Do not expose the device to rain or splashing water.
- Do not smoke near the device.
- The best working temperature is between 60 °C and 100 °C.

Parts and names

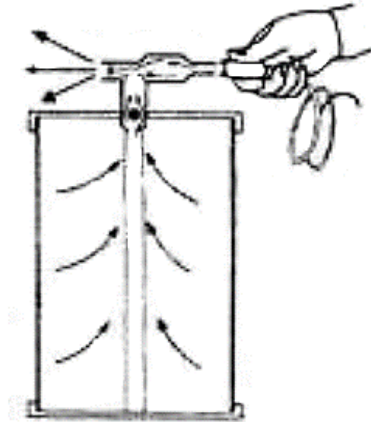


Nº	Name	Nº	Name
1	Oil tray	8	Pressure gauge
2	Pump hose	9	Under-pressure inlet valve
3	Oil absorbing ball valve	10	Under-pressure air inlet
4	Adjustment screw	11	Pressure relief valve
5	Oil tank	12	Air inlet valve
6	Oil inlet valve	13	Air inlet line
7	Vibration absorber	14	Oil drain valve

Technical specifications

Size	Suction hose (m)	1.20
	Outlet hose (m)	1.90
	Suction probe (mm)	1 × PVC ø 5 × 1000 2 × PVC ø 6 × 1000 1 × metal ø 6 × approx. 1000
Empty weight (kg)		approx. 24
Capacity (ℓ)		80
Working pressure (bar)		8
Accessories		1 × oil extracting and collecting device, 1 × collecting tray (9 ℓ), 2 × fixed wheels, 2 × steerable wheels, 1 × oil collecting tank

Operation



Extracting used oil into the oil collecting tray

1. Connect a suitable probe to the pump line. Then insert the suction line into the lubricating oil opening of the motor and turn off the switch on the pump line.
2. Turn off the switch beneath the oil collecting tray. Then turn on the switch above the oil collecting tank and connect the quick coupling to the oil tank.
3. Connect the vacuum generator with the flexible compressed air hose. Open the compressed air switch, then the pressure drop is displayed on the pressure gauge.
4. Open the switch on the pump line when the vacuum pressure has dropped to $-0,5$ bar. The used oil is sucked off and passed through the pump line.

Pumping used oil into the oil collecting tank

1. Connect a suitable probe to the pump line. Then insert the suction line into the lubricating oil opening of the motor and turn off the switch on the pump line.
2. Turn on the switch which connects to oil collecting tray and the oil connecting tank.
3. Connect the quick coupling on the top of the collecting tank with a flexible compressed air hose and open the compressed air switch. Then the pressure drop is displayed on the pressure gauge.
4. Open the switch on the pump line when the vacuum pressure has dropped to $-0,5$ bar. The used oil is sucked off and passed through the pump line.

Collecting used oil in an oil collecting tray

1. Lift the vehicle with a lifting device, then slide the pump unit under the motor of the vehicle and unscrew the oil drain screw.
2. Open the drain ball valve of the oil collecting tray and open the upper ball valve on the pump line, then the used oil passes through the oil collecting tray into the oil line.

Draining used oil from the oil collecting tank

1. Make sure that the valve below the collecting tray is closed. **Note!** It is necessary to close the valve for overpressure might damage the glass gauge.
2. Open the valve below the tank.
3. Connect the quick coupling on the top of the oil tank with a flexible compressed air hose and open the compressed air switch. **Notes!** The switch for the compressed air switch can be turned off as soon as the safety valve vents. Used oil is drained via an elbow. – The air pressure should be increased gradually.



Resolving common problems

Problem	Solution
Solution for incorrect pressure drop in pressure gauge	Check if the inlet air pressure has 8–10 bar and if the air capacity is 200 $\frac{1}{2}$ min (with the tube diameter being 6 mm).
	Check if all valves that be closed are closed.
	Check if the seal between the oil collecting tray and the oil collecting tank is in sound condition.
Solution for problems with pumping/sucking off oil despite of correct pressure drop displayed on gauge	Check if the seal between the pump line and the suction line is tight.
	Check if the temperature of the used oil is too low.
	Make sure that the switch on the pump line is closed.
	Check if the pump line is blocked.

Maintenance instructions

- The device should regularly be maintained to check it for leaks. If there is a leak, appropriate maintenance and repair work should be carried out.
- The good connection and the tightness of the flexible hoses must be checked regularly.
- Used oil should not be stored too long in the tank to prevent corrosion from forming.
- The device surface should regularly be wiped off with a towel or a floor cloth.
- The device should be stored at a dry place without exposure to direct sunlight.

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