

LASER[®]

Part No. 9122

Electric Fluid Extraction Pump - 12V 60W

A simple-to-use 12V fluid pump suitable for extracting all types of engine oil used in cars, motorcycles, marine and stationary engines. Can also be used for thicker gear oil when warm only (ATF). For best results ensure the oil to be pumped is between 40° to 50°C.



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Instruction manual and safety instructions

The fluid extractor is the ideal equipment for quick and clean oil-changes. The fluid extractor works by connecting the clamps to the 12V car battery. The oil is simply drawn out by the motor through the oil dipstick bore. Use the extractor suction pump for motor, diesel or heating oil.

The extractor is not suitable for extracting:

- **Water (no lubrication of the pump gearbox).**
- **Gearbox oil (too viscous).**
- **Easily flammable liquids (fuel, petrol, etc.) - Danger of explosion!**

We will not assume liability for safe function of the extractor if it is used for purposes other than those mentioned in this manual. No warranty claims can be lodged for damage resulting from operating errors or inadequate maintenance.

Please carefully read and observe the following safety instructions before using the extractor in order to avoid environmental damages or injuries:

- Set up the fluid extractor securely.
- Fasten the drain hose properly.
- Protect the power supply cables from heat and sharp edges.
- Make sure, that the pump is connected correctly to the car battery before starting to work ("positive to positive" and "negative to negative").
- Do not pump fuel, petrol, paraffin or other easily inflammable liquids - Danger of explosion!
- Do not pump water (as this would mean there is no lubrication of the pump).
- Only pump warm oil (40°-50°C).
- Collect the old oil in suitable containers to protect the environment and deliver the old oil to your local collecting station, petrol station or oil supplier.
- Clean the pump and attachment parts after finishing your work.

Technical description

The fluid extractor is a vane pump with brass vanes. It is driven by a 12V-D.C. motor via a reduction gear. As power supply please use a 12V vehicle battery. The connections on the pump are built for hoses of 10 mm internal diameter.

The external diameter of the suction probe is 6 mm. Therefore the pump can only be used for oil change if the inner diameter of the dipstick tube is bigger than 6 mm. The fluid extractor is suitable to pump engine, diesel and heating oil.

Operating the fluid extractor

1. Before starting to change the motor oil, drive the motor until the oil has a temperature of approx. 40°-50°C. Less temperature will reduce the flow rate due to the high viscosity of the oil. If the oil is too hot, the sealings of the pump might be disturbed.
2. Shut down the engine after having reached sufficient temperature.
3. Push the hose with the suction probe onto the pump socket, push the drain hose onto the the drain socket and fasten both by using hose-clamps in order to avoid the hoses coming loose due to the oil pressure.
4. Unwind the suction probe and straighten it properly before inserting through the dipstick tube into the engine. Otherwise the pump will not draw enough oil.
5. Insert the suction probe into the oil dipstick tube and push it gently down to the lowest position of the oilpan.
6. Please use a suitable container to collect the old oil and place the drain hose into this container.
7. Connect the fluid extractor to the 12V car battery. Make sure that the clamps are connected with the correct poles of the battery (red clamp to "positive", black clamp to "negative").
8. Switch the pump on and pump the oil out of the engine.
9. As soon as no further oil is pumped, switch off the pump.
Do not let the pump run without oil.
10. Fill the engine with fresh motor oil according to the maintenance instruction for your car and check the oil level with the oil dipstick.
11. After finishing your work clean the pump thoroughly by pumping some fresh oil.
12. Remove the hoses from the pump, plug them together and store the whole unit in a secure place, where it is protected against dust and moisture.

Technical description

Motor: 12v D.C.

Sound pressure level: 70 dB(A)

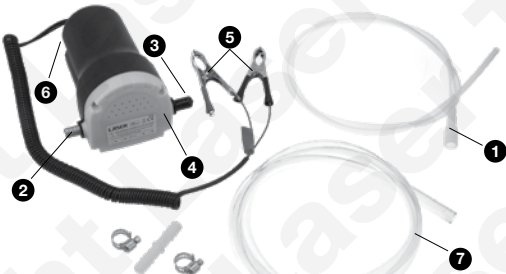
Vibration: < 2,5 m/s²

max. flow rate diesel or heating oil: approx. 250 l/h

motor oil (40°-50° C): approx. 1 l/min

Controls

Ref.	Description
1	Suction probe 6mm
2	Suction connector
3	Drain connector
4	Extraction pump
5	Battery clamps
6	On / Off switch
7	Hose 10mm



Important Notice

The working period for this fluid extractor should not exceed 30 minutes.
After this period please switch off the pump and let it cool down.

ATTENTION:

Never let old or fresh oil seep into the ground or into the sewage system. You will harm the environment and you will make yourself liable for prosecution. Collect the old oil and dispose of at your local authority collecting station, petrol station or oil dealer.



Safety First. Be Protected.

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.



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