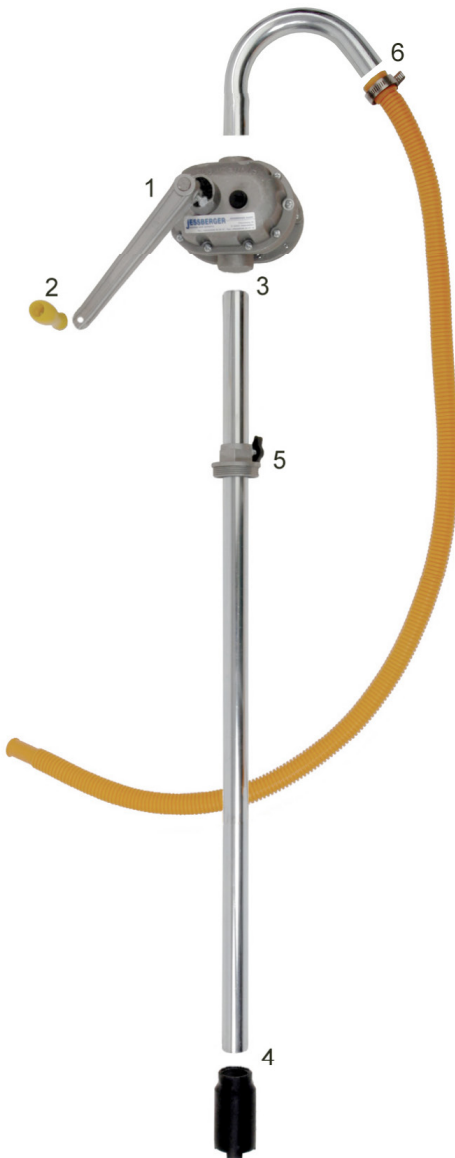


OPERATING MANUAL

JP-11

Hand rotary pump JP-11



The pump is made of Aluminium and zinc coated steel, and NBR (Buna N) gaskets

Assembly

1. Rotary handle to be screwed on to the pump housing
2. Plastic part of the rotary handle to be fixed with a screw
3. Suction pipe screwed into the pump body
4. Plastic strainer on their suction side to be screwed on to the suction pipe
5. Drum adapter to be screwed on to the suction pipe
6. Discharge hose to be fixed to the discharge arc by means of a hose clamp.

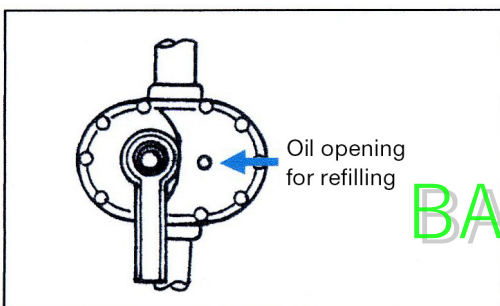
Commissioning

Turn the rotary handle several time fast and strong to buildup a water column. A minimum level of 12-15 cm in the drum is necessary for the first suction process.

The pump is suitable for low - viscosity mineral oils, diesel, machine oils, etc.

Operating instructions

1. Before using the pump make sure, that there is sufficient oil in the gear. Fill SAE 30 gear oil or equivalent, until the gear is completely covered (see enclosed diagram). Check regularly the oil level.
2. Rotary direction: The handle turns in a clockwise direction and the flow rate. is approx. one liter per one revolution of the handle.
3. Filter: A filter of #60 mesh polyethylene net is standard on the pump and it is located at the bottom of the suction pipe. Rotating the handle and therefore operating the pump may become harder if the filter is clogged with impurities. Remove the filter periodically and clean properly.
4. Cautions: The pump is suitable for a wide range of low viscosity. liquids such as diesel and low viscosity oils. The pump can also be used for liquids of higher viscosity – however, the pump becomes harder to operate and doing so will shorten the life-span of the pump. With inappropriate. usage it may void warranty.



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Safety Regulations

- Observe all warnings and safety regulations and read carefully the operating instructions.
 - When filling dangerous liquids, you absolutely must wear **protective clothing** (protective glasses, gloves, apron and possibly boots).
 - Every user must know the contents of these operating instructions and have them handy at all times.
 - Use the equipment within the framework of the material stability. The pump is made of aluminium and zinc coated steel and NBR (Buna N) gaskets.
 - Only fill media emitting gases and smoking media in well ventilated areas. Also refer to the safety tips from the reagent manufacturer (safety specifications sheet).
 - Only use the equipment in such a way that neither the operator nor other persons are endangered.
 - Never use force when operating the equipment.
- **The pump is not suitable for water.**
 - **This pump is also not suitable for acids and caustic solutions**
 - **Never use this pump for flammable liquids, solvents and in potentially explosive environment.**

Do not pump liquids that contain dirt or solids like used mineral oil. Impurities in the liquid can clog the filter, block the discharge and damage the pump.

Spezifikation

Usage:	Diesel and low viscosity oils up to SAE-30
Flow rate:	app. 1 liter per rotation = app. 100 ltr/min
Materials:	Cast aluminium, NBR (Buna N) seals
Weight:	8 kg
Size:	Suction tube: 32 mm AD, 1070 mm / delivery hose 25 mm, 1.350 mm

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