

## Manual Hand Pumps

FOR THE SAFETY AND CONVENIENT EMPTYING OF DRUMS AND CONTAINERS WE OFFER A COMPLETE SERIES OF MANUAL HAND PUMPS TO CATER FOR YOUR NEEDS.

- Manual hand pumps are pumps that are manually operated by hand. Depending on the liquid media, different materials use for parts to match your requirement are available. The hand pumps manufactured by JESSBERGER are divided into three groups; mineral oil products, chemicals / cleaning solutions and flammable liquids such as gasoline and solvents.
- The illustrated hand pumps can be use for 200 litres drum and smaller containers. If there is a need to remove small quantity of media out of an IBC (Intermediate Bulk Container), we can extend the suction tube of several plastic hand pumps up to 1200mm long.
- Our hand pumps are equipped with a 2" male thread drum adapter that can be ordered as an accessory for some pumps, the adapter can fit all 60 litres and 200 litres standard steel drums. For plastic canister and plastic drums, there are nine different thread adapters available on request and we are please to assist you in selecting the right one.



**HAND PUMP JP-02**  
Order No. 6002 0000

**HAND PUMP JP-03**  
Order No. 6003 0000

**HAND PUMP JP-04 BLUE**  
Order No. 6004 0001

**HAND PUMP JP-04 YELLOW**  
Order No. 6004 0000

**HAND PUMP JP-04 RED**  
Order No. 6004 0002

**HAND PUMP JP-04 BLUE / WHITE**  
Order No. 6004 0003

### For acids, alkalis and water based chemicals

**Pump material:** Polypropylene  
**Shaft:** Stainless steel 304  
**Seals:** FKM  
**Flow rate:** 0.3, 0.37 or 0.45 L/stroke depending on lever position  
**Pump tube length:** 340 – 900 mm  
**Pump tube diameter:** Maximum 40 mm  
**Thread adapter:** G 1 ½" and G 2"

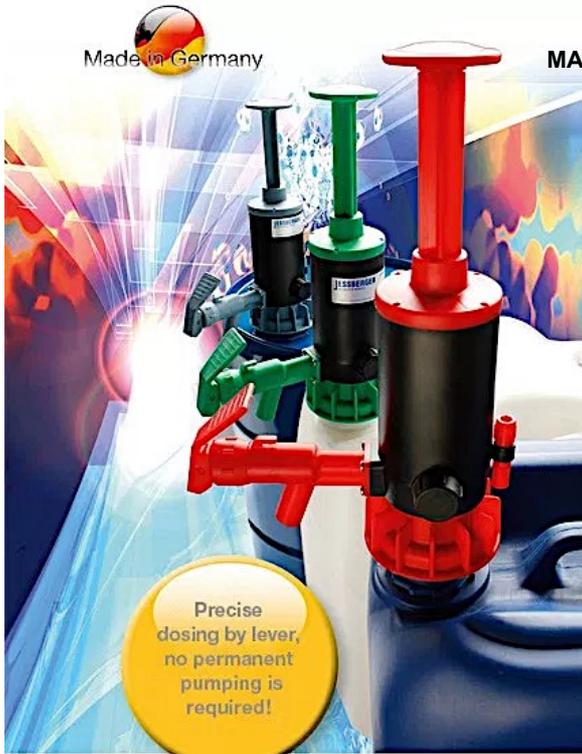
### For oils, diesel, alcohol up to 50%, antifreeze liquid, water, etc.

**Pump material:** Polypropylene  
**Shaft:** Tool steel  
**Seals:** NBR  
**Flow rate:** 0.3, 0.37 or 0.45 L/stroke depending on lever position  
**Pump tube length:** 340 – 900 mm  
**Pump tube diameter:** Maximum 40 mm  
**Thread adapter:** G 1 ½" and G 2"  
**Gewindeadapter:** G 1 ½" and G 2"

### For different media

**Pump material:** Polypropylene  
**Shaft:** Tool steel  
**Seals:** Depending on media  
**JP-04 YELLOW 6004 0000 - FKM** seal for aggressive media such as acids and alkalis  
**JP-04 BLUE 6004 0001 - NBR** seal for mineral oil products  
**JP-04 RED 6004 0002 - EPDM** seal for alkaline media  
**JP-04 BLUE / WHITE 6004 0003 - FLUOROPOLYMER** seal for liquid food  
**Flow rate:** ca. 0.3 L/stroke  
**Pump tube length:** 500 – 900 mm  
**Pump tube diameter:** Maximum 34 mm  
**Thread adapter:** G 2"

Made in Germany

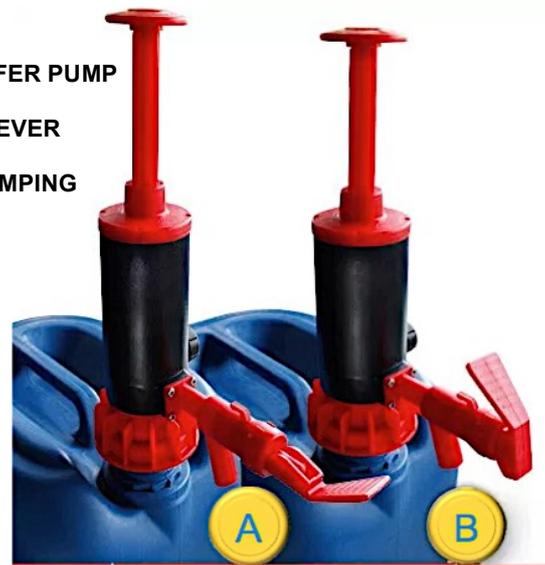


Precise dosing by lever, no permanent pumping is required!

## MANUAL FILLING AND TRANSFER PUMP

PRECISE DOSING WITH LEVER

NEED NO CONTINUOUS PUMPING



### Flexible Operation Options



If the tap lever is turned down completely forward prior to use, it can be used as a siphon pump.



Pressing the tap lever enable precise filling of small volume.

## MANUAL FILLING AND TRANSFER PUMP FOR 20 LITRE CANISTERS UP TO 200 LITRE BARRELS.



**JP-07 BLUE**  
Order No. 6007 0001  
For dosing and filling of non-flammable mineral oil products

- Seals: NBR
- Pump housing: PP
- Suction tube: PVC

**JP-07 RED**  
Order No. 6007 0002  
For pumping alkaline media

- Seals: EPDM
- Pump housing: PP
- Suction tube: PVC

**JP-07 RED**  
Order No. 6007 0003  
For pumping slightly aggressive media (tap includes a stainless steel spring)

- Seals: FKM
- Pump housing: PP
- Suction tube: PVC

**PUMP body:** Polypropylene with a stainless steel spring on the tap  
**Flow rate (water):** 20 litre/minute  
**Oil SAE 30:** 9 litre/minute @ 20°C  
**Suction tube length:** Suction tube consist of four parts at 250 mm  
**Rubber adapter:** For bunghole diameters from 46.5 – 60 mm  
**Operating temperature:** 40°C  
**Viscosity:** 400 mPas

- The pump is available with three types of seal (NBR, EPDM or FKM).
- Each hand pump comes with three rubber adapters of sizes between 46.5mm – 60mm depending on the model, to ensure the flexibility to adapt to all common bunghole openings. No special tool is need for assembling.
- The pumps are manually operated and can be located at any convenient area, as it does not require electricity or compressed air.
- A Hastelloy spring on the tap is planned for new design, to be compatible with aggressive chemical such as hydrochloric acids. In addition, a series of PVDF pump housing will be produced for easy and safer dispensing of highly corrosive substances such as chromic acid, hydrochloric acid and nitric acid.
- The pumps are robust and durable. Replacement parts are available cheap and fast, increasing the reliability and productivity for the user.

## DESCRIPTION

### UNIQUE CHARACTERISTICS THAT EXCEL

The hand pump enables precise dosing with light pressure on the tap lever after air is pumped into the canister or barrel. Alternatively the pump operates as a siphon pump with a flow rate of 20 litres/minute (water), when the tap lever is completely in full forward position.

### UNIQUE ADVANTAGES

- The hand pump can be in fixed position using one of the supplied rubber adapter in the bunghole of a barrel or canister.
- By actuating the pump lever, pressure is built up in the container; such that the pump can be operated with one hand.
- There are **two different operating options:**  
To remove precise small quantities with the hand pump, simply press down the tap lever lightly. This enables the safe and easy filling of small containers such as flasks and test tubes by manually controlling the lever pressure.  
Alternatively, the pump operates as a siphon pump with a flow rate of 20 litres/minute (water), when the tap lever is completely in full forward position.
- Precise dosing made possible.
- No continuous pumping needed, means the user has both hands free during dispensing; thus increase the safety of the operator when pumping aggressive or alkaline media.



### STAINLESS STEEL HAND PUMP JP-05

**Suitable for flammable liquids.**  
**Pump materials:** Stainless steel 316Ti  
**Seal:** PTFE  
**Flow rate:** 0.3 – 0.6 litre/stroke  
**Pump tube length:** 700 mm and 1000 mm  
**Pump tube diameter:** 32 mm  
 Suitable for flammable liquids such as solvents (including acetone)  
 Certified: Risk analysis by TUEV Munich  
**Required accessories:**  
**Discharge arc** with PTFE seal and wing nut  
**Hose connection** made of 3/4" or 1" stainless steel, with PTFE seal and nickel plated brass wing nut  
**Drum adapter** made of nickel plated brass R2" with fixing device  
**Anti-static set** consisting of 4 copper cables (absolutely necessary when pumping flammable liquids)  
**Order No.:**  
 700 mm 6005 0700  
 700 mm Ex 6005 0700  
 1000 mm 6005 1000  
 1000 mm Ex 6005 10000



### PLASTIC HAND PUMP JP-06

**Order No.:** 6006 0000  
**Suitable for water and slightly aggressive acids and alkalis.**  
**Pump materials:** Polyethylene and PVC  
**Flow rate:** 0.08litre/pumping process and 20 litres/at independent transferring – 0.6  
**Pump tube length:** 850 mm  
**Pump tube diameter:** 25 mm  
 Hand pump is complete with 130 cm long discharge hose and drum adapter G 2".  
 This hand pump is designed as a siphon pump. After the suction pipe and the discharge hose arc is filled manually the pump works independently.



### HAND-CRANK ROTARY PUMP JP-08

**Order No.:** 6008 0000  
**The pump is suitable for thin fluid, highly aggressive media such as acids and alkalis.**  
**Pump materials:** PVDF  
**Flow rate:** 0.3 litre/rotation  
**Pump tube length:** 3 cm x 35 cm  
 Hand pump is complete with discharge arc and drum adapter G 2".  
 Regular lubrication required.



### HAND PUMP JP-09

**Order No.:** 6009 0000  
**Suitable for most highly liquid and slightly aggressive media such as acids, alkalis and chemicals. Better resistance than JP-02 due to its PP sheathed shaft.**  
**Pump materials:** Polypropylene  
**Seal:** FKM  
**Flow rate:** 0.5 litre/stroke  
**Telescopic suction tube:** 3 parts, polyethylene  
**Suction depth:** 960 mm  
**PE hose:** 2 metres  
**Weight:** 1 Kg  
 Thread G 2" for screwing for mounting on standard barrels.  
 Adapters available for plastic drums and cans of 60 – 200 litres.  
 Outlet piece DN19, 3/4"  
 The pump is not to be used for pumping hazardous media of classes A1 / AII and other flammable media or in an explosive environment.



### HAND-CRANK ROTARY PUMP JP-11

**Order No.:** 6011 0000  
**Suitable for thin fluid, non-flammable liquids such as diesel, gear oil, heating oil, hydraulic oil, machine oil, mineral oil, motor oil etc. up to 1000 mPas.**  
**Pump materials:** Aluminum and zinc plated steel  
**Flow rate:** 1 litre/rotation, changing from forward to reverse transferring possible thus result to an optimal dosing.  
**Pump tube length:** 1080 mm  
**Pump tube diameter:** 53 mm  
**Head:** 15 metres  
**Horizontal distance:** 50 metres  
 Pump is complete with discharge hose and drum adapter G 2".



**HAND-CRANK ROTARY PUMP JP-12**

Order No.: 6012 0000

Suitable for thin fluid, non-flammable liquids such as diesel, gear oil, heating oil, hydraulic oil, machine oil, mineral oil, motor oil etc. up to 1000 mPas.

**Pump materials:** aluminum and zinc plated steel  
**Flow rate:** 1 litre/rotation, changing from forward to reverse transferring possible thus result to an optimal dosing.  
**Pump tube length:** 1080 mm  
**Pump tube diameter:** 53 mm  
**Head:** 15 metres  
**Horizontal distance:** 50 metres

Pump is complete with special mineral hose of 2000 mm. discharge arc and drum adapter G 2".



**METAL HAND-CRANK ROTARY PUMP JP-13**

Order No.: 6013 0000

Suitable for diesel, gear oil, heating oil, oils up to SAE 90, all other self lubricating, non aggressive and non-flammable media.

**Pump materials:** Cast iron housing  
**Seals:** NBR  
**Flow rate:** 0.25 litre/rotation  
**Pump tube length:** 1000 mm, three parts therefore suitable for smaller containers and 200 litres drum  
**Pump tube diameter:** Maximum 40 mm  
**Head:** 15 metres  
**Horizontal distance:** 50 metres

Pump is complete with discharge arc and drum adapter G 2".



**HAND LEVER PUMP JP-14**

Order No.: 6014 0000

Suitable for thin fluid, non-flammable liquids such as diesel, machine oils, mineral oils etc.

**Pump materials:** Zinc alloy  
**Seals:** NBR  
**Flow rate:** 0.5 litre/stroke  
**Pump tube length:** 450 - 840 mm  
**Pump tube diameter:** 40 mm  
**Thread adapter:** G 2"

Telescopic suction tube enables a universal use for all sizes of drum.



**HAND-CRANK ROTARY PUMP JP-15**

Order No.: 6015 0000

Suitable for transferring most thin fluid, non-flammable media such as diesel, oils, anti-freeze liquid, etc.

**Pump materials:** Zinc plated steel  
**Seals:** NBR  
**Flow rate:** 0.35 litre/stroke  
**Pump tube length:** 450 - 865 mm  
**Pump tube diameter:** 40 mm

The telescopic suction tube enables an universal use for all barrel sizes.

G 1½" and G 2" drum adapter pump with discharge arc. The outlet has a ¾" thread, thus other connection options exist.



**FIRE BRIGADE HAND PUMP JP-16**

Order No.: 6016 0000

ATEX compliant, single action hand pump that can be used for the following media of hazard classes A I - III:

Diesel, heating oil, fuel, petroleum, anti-freeze liquid for cooler (undiluted), thin fluid mineral oils and rapeseed methyl ester.

Execution for fire brigade use flexible suction hose instead of rigid tube.

**Suction hose:** DN 19 x 4; 1.5 metres  
**Discharge hose:** DN 19 x 4; 1.5 metres  
**Flow rate:** 0.25 litre/stroke

In pump housing integrated drum adapters with M 64 x 4 and G 2" enable easy fixing in drums.



**BATTERY DRIVEN PUMP JP-111**

Order No.: 6111 0000

Suitable for water, diesel, light oils, neutral, lightly aggressive and non-flammable media.

Only suitable for a short period of operation.

**Pump materials:** PP, PE and ABS  
**Flow rate:** 8 litre/minute  
**Pump tube length:** 460 mm  
**Largest suction tube diameter:** 33 mm  
**Discharge hose:** 600 mm

Driven by battery size D, 1.5 V (Not included in price).

