

## JESSBERGER

Hand operated pumps for a safe and easy emptying of drums

## Hand operated pumps

### JP-02 JP-03



Hand operated pump JP-02 for lightly acids, alkalies and other water based chemicals

Hand operated pump JP-03 for oils, diesel, alcohol up to max. 50%, anti freezing liquid, water, etc.

**Material:** Polypropylene

**Shaft:** at JP-02 Stainless Steel 316, at JP-03 tool steel

**Seals:** at JP-02 Viton, at JP-03 NBR/Buna

**Flow rate:** 0,3, 0,37 or 0,45 l/stroke\* depending on mounting of hand lever

Telescopic suction tube has a length of 340–900 mm, is step-less adjustable and has a tube-Ø of 40 mm.

Pump housing with drum adapters G 2"/G 1½".

Order-Nr.

Order-Nr.

JP-02 6002 0000 JP-03 6003 0000

### JP-05



**Stainless steel hand operated pump JP-05**

Pump tube made of Stainless steel 316 Ti (1.4571), all seals made of PTFE. Therefore especially suitable for flammable media like solvents (also acetone!).

**Tested by risk analysis and ignition source evaluation by TÜV Munich!**

**Pump tube lengths:** 700 and 1000 mm

**Flow rate:** 0,3–0,6 l/stroke\*

**Necessary accessories:**

Discharge arc or hose connection

Drum adapter made of brass, nickel plated with thread connection R 2" and fixing device. Anti-static set.

JP-05 700 6005 0700 JP-05 1000 6005 1000

### JP-07



**Hand operated pump JP-07**

Manual fill and transfer pump

Pump body made of Polypropylene, suitable for small cans from 20 liters up to 200 liter drums. Three adapters from 46,5 to 60 mm and a suction tube consisting of four pieces will be supplied as accessories.

**Flow rate:** Water: 20 l/ min.\*

Oil SAE 30: 9 l/ min. at 20°C\*

**Temperature:** 40°C\*

**Viscosity:** 400 mPas\*

with Nitrile-seals: for mineral oil products

with EPDM-seals: for alkaline solutions

with Viton-seals: for acids and chemicals

Hoses with nozzles as accessories

JP-07 blue 6007 0001

JP-07 green 6007 0003

Nitrile-seals f.e. for boric acid

Viton-seals f.e. for hydrochloric acid

JP-07 red 6007 0002

EPDM-seals f.e. for caustic soda

### JP-11



**Hand operated pump JP-11**

High volume rotary pump

**Pump is suitable for thin-fluid, non flammable media like diesel, machine oils, mineral oils, etc.**

**Material:** Aluminium and zinc-plated steel

**Seals:** NBR/Buna

**Flow rate:** 1 l/rotation\*; changing from forward to reverse transferring is any time possible. Thereby results an optimal dosing.

**Head:** 15 m\*

**Horizontal distance:** 50 m\*

Pump with discharge hose and drum adapter G 2"

JP-11 6011 0000

### JP-04



This hand operated pump is available also in a version for mineral oil products with seals made of NBR/Buna (JP-04 blue, oil version).

**Hand operated pump JP-04 yellow (chemicals)**

Especially suitable for acids and alkalies

**Material:** Polypropylene

**Shaft:** Polypropylene

**Seals:** Viton

**Flow rate:** 0,3 l/stroke\*

**Hose connection:** ¾"

Telescopic suction tube has a length of 480–950 mm, is step-less adjustable and has a diameter of max. 34 mm. Pump housing with drum adapter G 2" for fixing in all metal drums.

Order-Nr.

Order-Nr.

JP-04 yellow 6004 0000 JP-04 blue 6004 0001

### JP-06



**Hand operated pump JP-06**

**Suitable for water and lightly aggressive chemicals**

**Pump material:** Polyethylene and PVC

**Pump tube length:** 850 mm

**Flow rate:** 0,08 l/pumping process or 18,5 l/min when working as a siphon pump

Hand pump with 130 cm long discharge hose and barrel adapter with male thread G 2". This hand operated pump is designed as a siphon pump. After the suction tube and discharge hose have been filled the pumping process continues independently.

JP-06

6006 0000

### JP-08



**Hand operated pump JP-08**

Hand rotary pump for chemicals

**Pump is suitable for thin fluid, very aggressive media like acids and alkalies.**

**Pump material and seals:** PTFE

**Suction tube:** 3 x 35 cm

**Flow rate:** 0,3 l/rotation\*

Pump with discharge arc and drum adapter G 2"

JP-08

6008 0000

### JP-12



**Hand operated pump JP-12**

High volume rotary pump

**Pump is suitable for thin-fluid, non flammable media like diesel, machine oils, mineral oils, etc.**

**Material:** Aluminium and zinc-plated steel

**Seals:** NBR/Buna

**Flow rate:** 1 l/rotation\*; changing from forward to reverse transferring is any time possible. Thereby results an optimal dosing.

**Head:** 15 m\*

**Horizontal distance:** 50 m\*

Pump with special mineral oil hose, discharge arc and drum adapter G 2"

JP-12

6012 0000

### JP-13



**Hand operated pump JP-13**

Rotary pump made of metal

**Pump is suitable for diesel, heating oil, oils (up to SAE 90) and all other self lubricating, non aggressive and non flammable media.**

**Material:** Pump housing made of cast iron

**Seals:** NBR/Buna

**Flow rate:** 0,25 l/rotation\*

**Pump tube length:** 980 mm; therefore suitable for small canisters and 200 liter drums

Pump with discharge arc and drum adapter G 2"

JP-13

6013 0000

## Hand operated pumps

### JP-15



#### Hand operated pump JP-15

Hand lever pump made of metal

**For transferring many thin-fluid, non flammable media like diesel, oils, anti freezing liquid, etc.**

**Material:** Zinc-plated steel

**Seals:** NBR/Buna

**Flow rate:** 0,35 l/stroke\*

For canisters and drums from 30–200 liters

Telescopic suction tube enables an universal use for all sizes of drums.

Pump with drum adapters G 1½" and G 2" and discharge arc. The outrun piece has a male thread in ¾". Thereby other possibilities for connections exist.

Order-Nr.

**JP-15 6015 0000**

### JP-16



#### Hand operated pump JP-16 fire brigade pump

ATEX conform, single acting piston pump that can be used for following media of the hazardous classes A I–III: **diesel, heating oil EL/L, fuel, petroleum, anti freezing liquid for cooler (undiluted), low viscous mineral oils and rapeseed methyl ester.**

Fire brigade version with flexible hose instead of a rigid suction tube

Suction hose, DN 19 x 4, 1,5 m

Discharge hose, DN 19 x 4, 1,5 m

**Flow rate:** ca. 0,25 l/stroke\*

The thread adapters M 64 x 4 and G 2" that are integrated in pump housing enable an easy fixing in drum.

**JP-16 6016 0000**

### JP-111



#### Battery driven pump – accumulator pump

**For media like water, diesel, lightly oils, neutral, lightly aggressive and non flammable media. Only suitable for short operation times.**

**Pump material:** PP, PE and ABS

**Suction tube length:** 60 cm

**Discharge hose:** 60 cm

**Biggest tube diameter:** 31,7 mm

**Flow rate:** 8 l/min.

Driven through 3 batteries, Size D, 1,5 Volt (Not included in delivery; available at specialised trade)

**JP-111 6111 0000**

**When pumping flammable media or for use in hazardous areas only conductive pumps are allowed to be used that dispose of an ignition source evaluation.**

**Further more a mandatory potential equalization has to be established by electric grounding of hand pump and drum.**

\* All values represent maximum performance data. Flow rate obtained with water at 18 °C and measured at the discharge connection of pump tube (without hose barb).

## Thread adapters

Thread adapters made of **PE** for equalization of different threads at canisters, drums, containers, etc. when fixing f.e. hand pumps



All JESSBERGER hand pumps have a bung adapter (2" BSP male thread) suitable for metal drums like S 60 or S 200.

Due to the big variety of different canisters, drums, containers, etc. that are available in the market there is often a need to use an adapter to fix the pump in the drum securely.

#### Material of adapter: PE (Polyethylene)

This plastic material is resistant to water, many alkalies, acids and salt solutions. It is only limited chemical resistant to oils, organic solvents and fuels. In contact with some of these substances (depending on concentration and density) PE tends to swell.

Nr.	Colour	Thread 1/thread 2	Order-Nr.
1	Brown	G1: 2" BSP fine, female thread* G2: DIN 71, female thread	6001
2	Grey	G1: 2" BSP fine, female thread* G2: DIN 61/31, male thread	6002
3	Black	G1: 2" BSP fine, male thread* G2: DIN 61/31, male thread	6003
4	Yellow	G1: 2" BSP fine, female thread* G2: DIN 61/31, female thread	6004
5	White	G1: 2" BSP fine, female thread* G2: ASTM Ø 63 mm, female thread	6005
6	Red	G1: 2" Mauser coarse, fem. thread G2: Trisure coarse, male thread	6006
7	Orange	G1: 2" BSP fine, female thread* G2: Trisure coarse, male thread	6007
8	Blue	G1: 2" BSP fine, female thread* G2: 2" Mauser coarse, male thread	6008
9	Green	G1: 2" BSP fine, female thread* G2: DIN 51, female thread	6009
10	Set	All adapters Nr. 1–9	6010


\* 2" BSP (British-Standard-Pipe) is equivalent to a diameter of 58 mm.

#### Classification (without any obligations):


DIN 71 female thread	for containers
Thread DIN 61/31	for 20/30/60 liter plastic canisters and KTC/IBC containers
ASTM Ø 63 mm fem. thr.	for special threads
DIN 51 female thread	for 5/10 liter plastic canisters
Thread Trisure	for special threads at plastic drums
Thread Mauser coarse	for 110/220 liter drums made of PE

## Our delivery programme:

**Electric and pneumatic driven drum and container pumps**  
 JESSBERGER pump technology with internal and external cooled electric motors or pneumatic motors (also ex-protected) in different engine-power classes. Seal-less pump tubes in Polypropylene, PVDF, ALU and Stainless Steel. Pump tube lengths 700, 1.000, 1.200, 1.500 and 1.800 mm. Special lengths up to 3.000 mm on request.

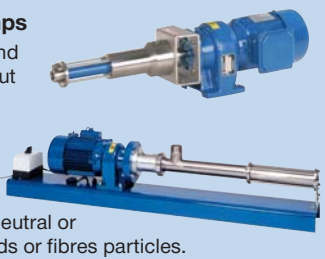


**Eccentric screw pumps JP-700 for drums and containers with electric or pneumatic motor**  
 are suitable for transferring thin to high viscous substances (max. 100.000 mPas) and will be used particularly stationary or for continuous work. All pump parts are made of Stainless Steel, stators are available in NBR, NBR light, Viton, Hypalon, EPDM or PTFE.







**High viscosity dosing pumps**  
 for thin fluid, viscose, neutral and aggressive media with or without particles.


**Horizontal eccentric screw pumps**  
 are suitable for liquids with low or high viscosity, whether neutral or aggressive, with or without solids or fibres particles.



**Manual hand operated drum pumps**  
 are lightweight, handy devices for almost any fluid liquids.


<b>JP-02</b>	<b>JP-03</b>	<b>JP-04</b>	<b>JP-05</b>
			
Telescopic suction tube made of PP, 340–900 mm <b>JP-02 for acids, alkaline solutions and water based chemicals.</b> <b>JP-03 for oil, diesel, alcohol (max. 50%), anti freeze liquid, soap solutions, shampoo, water, etc.</b>	Telescopic suction tube made of PP, 480–950 mm, for thin fluid liquids. Particularly suitable for <b>acids and lyes.</b>	Pump tube made of Stainless Steel with seals made of PTFE, pump tube lengths 700 or 1.000 mm. Especially suitable for <b>flammable media like solvents.</b>	

**Electronic flowmeter No. 9020**  
 Housing made of PP. Volume preset, signal-check for further data processing as an option. Other materials: PVDF and SS.




Please contact:


**Air-operated diaphragm pumps JP-800**  
 JESSBERGER diaphragm pumps are suitable for nearly all areas of use. They are capable of pumping aggressive and flammable substances, high viscous liquids also with solids or fibre particles and media containing gas.




**Seal-less magnetic driven pumps**  
 Available in various sizes, state-of-the-art construction, seal-less and environmentally friendly, suitable for a variety of uses, low noise level, long life, easy to maintain.




**Vertical centrifugal pumps serie JP- 820**  
 executed in Polypropylene and PVDF




**Horizontal centrifugal pumps serie JP- 840**  
 executed in Polypropylene and PVDF



**Mixers for drums and containers**  
 JESSBERGER offers solutions for almost every mixing application for drums and containers.




**Dosing Pumps**  
 diaphragm or plunger metering pump



**Electric diesel and heating oil pumps**  
 for refueling the motors of vehicles that are driven with diesel or heating oil of hazard class A III like tractors, agricultural machines and machines for construction work, trucks and motor boats.

**protank 25** portable      **protank 50** stationary



**The following hoses can be supplied:**  
 Universal- and special hoses for chemical substances, PVC-hoses, PTFE-hoses, hoses for mineral oil and solvents, tissue-reinforced or conductive, hoses for food.  
**Please ask for details.**

**Please require detailed information about the individual product groups of the JESSBERGER delivery program.**  
 Please make a cross next to the requested products and fax or e-mail this page to us with your address.

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