

Hand pumps

for chemicals, mineral oil products, flammable media and food

The advantages are apparent

- No electricity or compressed air required
- Comfortable working thanks to your own muscle power
- No longer heavy lifting of canisters or drums
- No longer unintentional spilling of media
- High work safety and dosing accuracy

pumps and systems



Safe and cost effective transferring of small quantities

Hand pumps

for canisters, drums, IBC`s and other vessels



ATEX
2014/34/EU



Proofed
Quality

► JP-05

Manual hand pumps

are always an useful and cost-effective alternative to conventional electric or air operated drum pumps, if only small quantities are transferred from canisters or drums or the customer uses a drum pump only occasionally to rarely.

Depending on the medium different pump tube materials and gaskets are available. In principle the hand pumps can be divided into four groups: for chemicals such as acids, alkalies and detergents, for mineral oil products, for flammable liquids such as gasoline or solvents and food. The maximum viscosity of the pumped fluids for the hand pumps is 1.000 mPas.

Most hand pumps are equipped with a 2" male thread drum adapter (at some pumps it can be ordered as an accessory) and can be mounted in every 60 and 200 liters standard steel drum. For plastic canisters and plastic drums different thread adapters are available.

► JP-02



Hand pumps JP-02 | JP-03 | JP-04

Hand pump JP-02

Hand pump for acids, alkalis and water-based chemicals (Stainless steel must be resistant).

Pump material: Polypropylene

Shaft: Stainless steel 304

Seals: FKM

Flow rate: 0,3, 0,37 or 0,45 l/stroke*
depending on lever position

The telescopic suction tube is adjustable from 340 to 900 mm and has a diameter of 40 mm. The pump housing has two threads G 2" and G 1½".

Version	Order No.
JP-02	6002 0000

Hand pump JP-03

Hand pump for oils, diesel, alcohol up to max. 50%, antifreeze liquid (diluted), 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

The telescopic suction tube is adjustable from 340 to 900 mm and has a diameter of 40 mm. The pump housing has two threads G 2" and G 1½".

Version	Order No.
JP-03	6003 0000

Hand pump JP-04

Hand pump for different media.

Four versions: For acids (yellow), mineral oil products (blue), alkalis (red) and low-viscous food (blue/white).

Pump material: Polypropylene

Shaft: Polypropylene

Seals: depending on the execution

Flow rate: ca. 0,3 l/stroke*

Hose connection: ¾"

The telescopic suction tube is adjustable from 500 to 900 mm and has a diameter of max. 34 mm.

The pump housing has a thread in 2" to be screwed in all standard steel drums.

To compensate different threads we can offer appropriate threaded adapters.

Version	Order No.
JP-04 yellow (FKM)	6004 0000
JP-04 blue (NBR)	6004 0001
JP-04 red (EPDM)	6004 0002
JP-04 blue/white (Fluoropolymer)	6004 0003

* All specified values are maximum values.
The flow rate of the pump refers to water at 18 °C and free outlet.

Hand pumps JP-05 | JP-06 | JP-07

Hand pump JP-05

Suitable for flammable liquids such as solvents (including acetone!) and low viscous food.

Pump material: Stainless steel 316 Ti

Seals: PTFE

Flow rate: 0,3–0,6 l/stroke*

Pump tube length: 700 and 1.000 mm

Pump tube diameter: 32 mm

Version	Order No.	Version	Order No.
JP-05 / l 700 mm	6005 0700	JP-05 / l 1000 mm	6005 1000

Necessary accessories

Version	Order No.	Version	Order No.
Discharge arc Ø 11 mm	6510	Discharge arc Ø 25 mm	9074
with PTFE seal and wing nut			
Hose connection 3/4"	6520	Hose connection 1"	6530
made of Stainless steel, with PTFE seal and wing nut made of brass, nickel plated			
Drum adapter	6540		
made of brass nickel plated R2", with locking device			
Anti-static-set	9003		
consisting of 4 copper cables (absolutely necessary when pumping flammable liquids)			

Plastic hand pump JP-06

Suitable for water, lightly aggressive acids and alkalies.

Pump material: Polyethylene and PVC

Flow rate: 0,08 l/stroke resp. 18,5 l/min at an independent transferring*

Pump tube length: 850 mm

Pump tube diameter: 25 mm

Thread adapter: G 2"

This hand pump is designed as a siphon pump and will be supplied with 1300 mm long discharge hose. After the suction pipe and discharge hose had been filled manually the pump works independently.

Version	Order No.
JP-06	6006 0000

Hand pump JP-07

Manual filling and transfer pump for 20 liter canisters up to 200 liter drums.

Pump body: made of Polypropylene, internal parts also made of Stainless steel

Flow rate: Water: 20 l/min* | Oil SAE 30: 9 l/min. at 20 °C*

Pump tube length: Suction tube consist. of four parts, each 250 mm

Pump tube diameter: max. 31 mm

Rubber adapters: for bung hole diameters from 46,5 to 60 mm

Temperature: 40 °C*

Viscosity: 400 mPas*

Version	Order No.
JP-07 blue (NBR for mineral oil products)	6007 0001
JP-07 red (EPDM for alkalies)	6007 0002
JP-07 green (FKM for light acids)	6007 0003

Useful accessories

Transfer hose l 1.5 m, with nozzle	Order No.
JP-07 blue	6710
JP-07 red	6720
JP-07 green	6730



Hand pumps JP-08 | JP-09 | JP-11

Hand pump JP-08

Hand-crank rotary pump for chemicals.

The pump is suitable for thin fluid, highly aggressive media such as acids and alkalis.

Pump material: PVDF

Seals: PTFE

Flow rate: 0,3 l/rotation*

Pump tube length: 3 x 35 cm

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

Regular lubrication required.

Version	Order No.
JP-08	6008 0000

Hand pump JP-09

Suitable for almost all thin fluid and lightly aggressive media such as acids, light alkalis and chemicals.

Better resistance compared to JP-02 due to a PP shaft.

Pump material: Polypropylene

Telescopic suction tube: 3 parts, Polyethylene

Seals: FKM

Suction depth: for containers up to 960 mm

Flow rate: 0,5 l/stroke*

Weight: 1,2 kg

PE hose 2 m.

Thread G 2" for screwing in standard barrels made of steel.

Adapters available for plastics drums and canisters.

Hose connection DN 19, 3/4".

Version	Order No.
JP-09	6009 0000

Hand pump JP-11

Hand-crank rotary pump

The pump is 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 1.000 mPas.

The pump is not suitable for water.

Pump material: Aluminium and steel

Seals: NBR

Flow rate: 1 l/rotation*

Changing from forward to reverse transferring possible.

Thus results an optimal dosing.

Pump tube length: 1.080 mm

Pump tube diameter: 53 mm (strainer)

Head: 15 m*

Horizontal distance: 50 m*

Pump with discharge hose 1.350 mm and drum adapter G 2".

Version	Order No.
JP-11	6011 0000

* All specified values are maximum values.
The flow rate of the pump refers to water at 18 °C and free outlet.

Hand pumps **JP-12** | **JP-13** | **JP-14****Hand pump JP-12****Hand-crank rotary pump**

The pump is 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 1.000 mPas.

The pump is not suitable for water.

Pump material: Aluminium and steel

Seals: NBR

Flow rate: 1 l/rotation*

Changing from forward to reverse transferring possible.

Thus results an optimal dosing.

Pump tube length: 1.080 mm

Pump tube diameter: 53 mm (strainer)

Head: 15 m*

Horizontal distance: 50 m*

Pump with special mineral oil hose 2.000 mm, discharge arc and drum adapter G 2".

Version	Order No.
JP-12	6012 0000

Hand pump JP-13**Metal hand-crank rotary pump**

The pump is suitable for diesel, heating oil, oils (up to SAE 90) and all other self-lubricating, non-aggressive and non-flammable media. The pump is not suitable for water.

Pump material: pump housing of cast iron

Seals: NBR

Flow rate: 0,25 l/rotation*

Pump tube diameter: max. 40 mm

Pump tube length: 1.000 mm, three parts

Pump with discharge arc and drum adapter G 2".

Version	Order No.
JP-13	6013 0000

Hand pump JP-14**Hand lever pump made of metal**

The pump is suitable for thin-liquid, non flammable media like diesel, machine oils, mineral oils, etc.

Pump material: Metal, zinc alloy

Seals: NBR

Flow rate: 0,5 l/stroke*

Pump tube length: 450–840 mm

Pump tube diameter: 40 mm

Thread adapter: G 2"

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

Version	Order No.
JP-14	6014 0000



▶ JP-12

▶ JP-14

Hand pumps JP-15 | JP-16 | JP-111



Hand pump JP-15

Hand lever pump made of metal

For transferring many thin fluid, non-flammable media such as diesel, oils, anti freezing liquid (diluted), etc.

Pump material: steel zinc plated

Seals: NBR

Flow rate: 0,35 l/stroke*

Pump tube length: 450–865 mm

Pump tube diameter: 40 mm

The telescopic suction tube enables an universal use for all sizes of drums. Pump with G 1½" and G 2" drum adapter and discharge arc.

The outlet has a ¾" male thread. Therefore other possibilities for connections exist.

Version	Order No.
JP-15	6015 0000

Hand pump JP-16

Fire brigade hand pump

ATEX compliant, single-acting reciprocating pump that can be used for following media of hazard classes A I-III: diesel, heating oil light/heavy, fuel, petroleum, anti freezing liquid for cooler (undiluted), thin fluid mineral oils and rapeseed methyl ester.

Execution for fire brigades with flexible suction hose instead of a rigid tube.

Suction hose DN 19 x 4; 1,5 m

Discharge hose DN 19 x 4; 1,5 m

Flow rate: app. 0,25 l/stroke*

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

Version	Order No.
JP-16	6016 0000

Hand pump JP-111

Battery driven pump

Suitable for water, diesel, lightly oils, neutral, lightly aggressive and non flammable media. Only suitable for short-term operation.

Pump material: PP, PE and ABS

Flow rate: 8 l/min. *

Pump tube length: 460 mm

Largest suction tube diameter: 33 mm

Discharge hose: 600 mm

Driven by batteries, size D, 1,5 V (not included in delivery available in trade).

Version	Order No.
JP-111	6111 0000

* All specified values are maximum values.
The flow rate of the pump refers to water at 18 °C and free outlet.

Thread adapters

Techni-Flow



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

In principle the JESSBERGER hand pumps can be screwed due to their already existing drum adapters (2" BSP male thread) easily into the threads of steel 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 screw the pump in the vessel securely and fixed.

No.	Color	Thread 1	Thread 2	Order No.
1	Brown	2" BSP fine, internal thread *	DIN 71, internal thread	6001
2	Grey	2" BSP fine, internal thread *	DIN 61/31, external thread	6002
3	Black	2" BSP fine, external thread *	DIN 61/31, external thread	6003
4	Yellow	2" BSP fine, internal thread *	DIN 61/31, internal thread	6004
5	White	2" BSP fine, internal thread *	ASTM Ø 63 mm, int. thread	6005
6	Red	2" Mauser coarse, int. thread *	Trisure coarse, external thread	6006
7	Orange	2" BSP fine, internal thread *	Trisure coarse, external thread	6007
8	Blue	2" BSP fine, internal thread *	2" Mauser coarse, external thread	6008
9	Green	2" BSP fine, internal thread *	DIN 51, internal thread	6009
10	Set	All adapters No. 1–9		6010

Classification (without any obligations):

BLUE	External thread Mauser	for 200 liter plastic drums (coarse thread 69 mm)
ORANGE	External thread Trisure	for 200 liter plastic drums (fine thread 56 mm)
YELLOW	Internal thread DIN 61/31	for 30 liter plastic canisters (59 mm)
BROWN	Internal thread DIN 71	for 60 liter plastic canisters (71 mm)

We are pleased to send you a drawing of the adapters via e-mail.

*2" BSP (british standard pipe) corresponds to a diameter of 58 mm.