

**Colly** FLOWTECH

INNOVATIV FLÖDESTEKNIK



## **JESSBERGER JP-700 SR**

**High viscosity pumps  
for drums and  
containers**

**for viscous liquids up  
to 30.000 mPas**



## JP-700 SR

### JESSBERGER High viscosity pumps for drums and container Series JP-700 SR and JP-700 DR

are suitable for the use of a big number of liquids. Particularly suitable for highly viscous, neutral, aggressive or lightly flammable liquids also with or without solids.

**All pump parts are in stainless-steel (316 L),** stators are available in NBR (Buna), NBR light (Food grade), VITON (FKM), HYPALON (CSM), EPDM or PTFE.

**The delivery rate** is 12, 25 or 50 ltr/min.

**The delivery head** is 6 bar (60 meters) using the single-stage pump or 12 bar (120 meters) using the twin-stage pump.

**The temperature of the liquid** is up to max. 140°C.

**The max. viscosity** for the SR-version is up to 30.000 mPas and for the DR-version up to 100.000 mPas.

**The SR-version are driven** by JESSBERGER electric Universalmotors or pneumatic motors. The motors can be connected with the pump tube fast and easy without tools by means of a hand-wheel.

**The standard tube length's** are 700 mm, 1.000 mm resp. 1.200 mm. Special length's from 500 mm to 2.000 mm are possible. Please ask us.

### High viscosity pump end

Type	Sizes	Flow rate	Disch. pressure
JP-700.12.1	700, 1.000, 1.200 mm	12 l / min	6 bar
JP-700.12.2	700, 1.000, 1.200 mm	12 l / min	12 bar
JP-700.25.1	700, 1.000, 1.200 mm	25 l / min	6 bar
JP-700.25.2	700, 1.000, 1.200 mm	25 l / min	12 bar
JP-700.50.1	700, 1.000, 1.200 mm	50 l / min	6 bar

**SR - Version** (with planetary gear) approx. 700 rpm. Available air motors: **JP-AIR 2**, **JP-AIR 3**, and electric motors: **JP-280**, **JP-300**.

**DR - Version** (speeds will be adjusted individually according to application). Motors: Three phase motor, three phase gear motor, three phase variable-speed gear motor or compressed air motor). Please ask for more information.

### Motors



**JP-AIR 2**

**700 W at max. 6 bar operating pressure**

compressed air motor with starting button (locking device) on the handle. The motor starts running and the pump is transferring liquids when the button is pressed or fixed.



**JP-AIR 3**

**400 W at max. 6 bar operating pressure**

compressed air motor, **stainless steel housing**, with plug valve at air intake for compressed air control. This regulates the motor speed and varies the pumping capacity.



**JP-280**

**825 W Universal Motor**  
**230/115 V 50-60 Hz**

Double isolated, category II, Splash-proofing according to IP 24  
On/off switch, Overload protection switch



**JP-300**

**825 W Universal Motor**  
**230/115 V 50-60 Hz**

Double isolated, category II, Splash-proofing according to IP 54.  
On/off switch, Overload protection switch



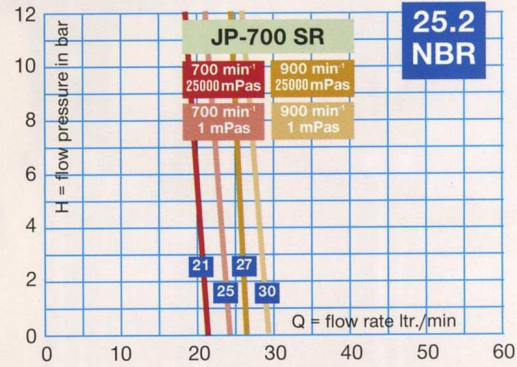
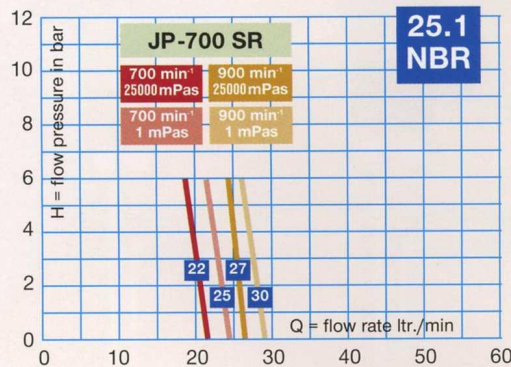
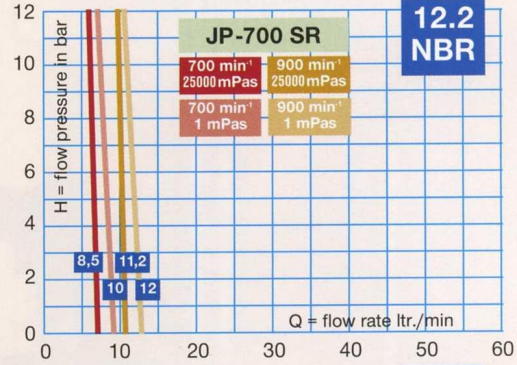
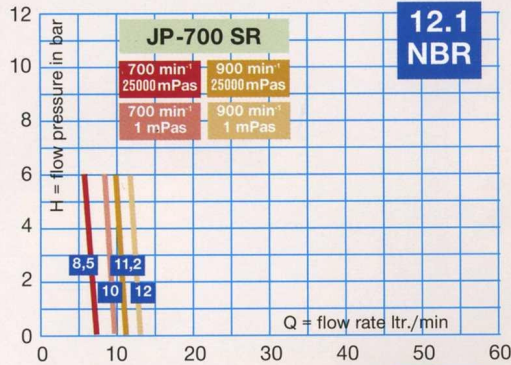
## Electrical and pneumatic driven High viscosity pumps in vertical execution

The flow charts below show in various examples the flow rates for Elastomer-Stator (NBR) as well as for a PTFE-Stator (solid matter) at different speeds (rpm) and viscosities.

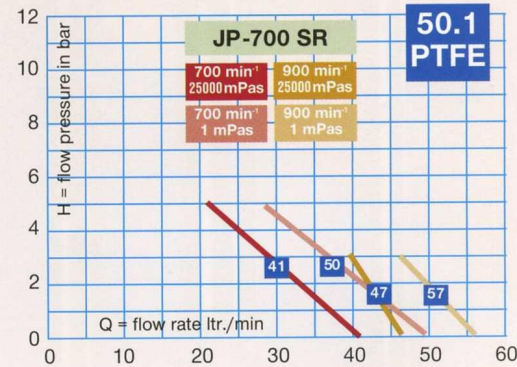
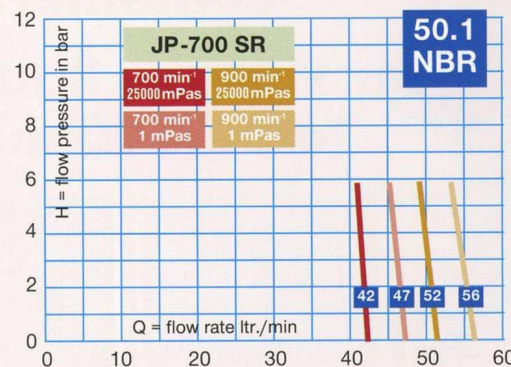
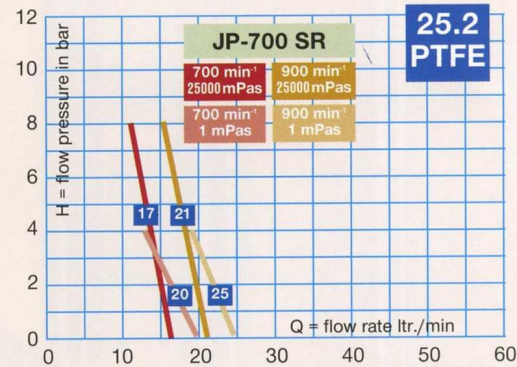
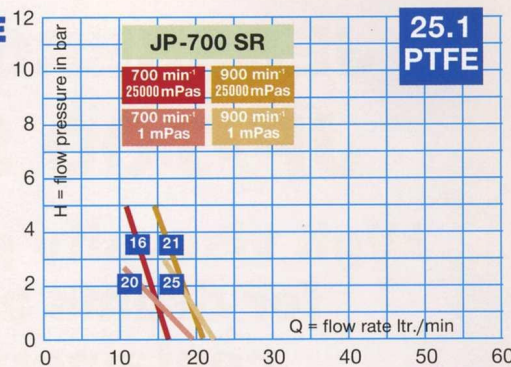
For intermittend operation we recommend our **JP-700 SR**-version with a planetary gear (speed reduction 15:1) and our electrical motors JP-280, JP-300 and our pneumatic motors JP-AIR 2, JP-AIR 3.

For continuous operation our **JP-700 DR** (3-phase-motor) version with a flange is the ideal solution. Both versions are designed in a modular system.

### NBR



### PTFE



All physical values given are maximum values.  
The capacity of the respective pumps relates to water at 18 °C,  
flow rate in ltr./min ± 10%.

We reserve the right to make technical changes or changes in shape and colour.

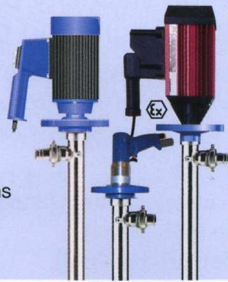


## Further scope of supply

### Electric and pneumatic drum and container pumps

JESSBERGER Pump technology with internal and external cooled motors in different flow capacity ranges.

Seal-less pump tubes in stainless steel, Polypropylen, PVDF and ALU. Tube lengths 700, 1000, 1200, 1500 and 1800 mm. Also in special lengths to 3000 mm. Please ask us.



### High viscosity pumps for drums and containers JP-700

are suitable for the use of a big number of liquids. Particularly suitable for highly viscous, neutral, aggressive or lightly flammable liquids also with or without solids up to 100.000 mPas.

All pump parts are in stainless-steel, stators are available in NBR, NBR light, VITON, HYPALON or PTFE.



**Dosing pumps for viscous liquids** for fluid, viscose, aggressive, neutral media with or without solids or fibres particles.

### Horizontal Eccentric Screw Pumps

Pumps suitable for liquids with low or high viscosity, whether neutral or aggressive, with or without solids or fibres particles.



### Hand-barrel pumps

are lightweight, powerful pumps for almost any fluid liquids.



Telescopic suction tube for PP or steel, 340-900mm  
**JP-02 for Acids, Alkaline Solutions and water based Chemicals.**

**JP-03 for Oil, Diesel, Alcohol, Kerosene, Anti freeze liquid, Soap solutions, Shampoo, Water etc.**

Telescopic suction tube of PP, 480-950mm, for fluid liquids. Suitable particularly for acids and lyes.

Pump tube INOX, 700-1000 mm, for highly fluid to oily liquids. Suitable particularly for flammable liquids and solvents.

### Electronic Flowmeter Nr. 9020

Housing made of PP. Volume pre-set, Signal-check for further data processing optional. For other materials please ask us.



### Compressed Air-Operated Diaphragm Pumps JP-800

JESSBERGER pumps are suitable for nearly all areas of use. They are capable of pumping aggressive and flammable substances, highly 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 Polypropylen and PVDF

### Horizontal Centrifugal Pumps SERIE JP-840

executed in Polypropylen and PVDF



### Dosing Pumps SERIE JP-860

Piston-dosing pumps and Diaphragm-dosing pumps executed in Polypropylen and STAINLESS STEEL up to 860 ltr/h



### Electric Diesel- and fuel oil pumps

are intended mainly for the refueling of agricultural machines, tractors, machines for construction work, truck, motorboats and all vehicles with diesel or light fuel (hazard class A III) engines.



### 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 electrically conductive.

Please ask for details.

**Please ask for detailed information** about the individual product groups of the JESSBERGER delivery program. Please make a cross below the requested figure.

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