

Laboratory pumps

Electric or air operated laboratory pumps with a suction tube made of polypropylene (Ø 25, 28 or 32 mm) or stainless steel 316 Ti (Ø 28 or 32 mm)

Electric motor



Laboratory pump tube

With only 3 to 4 kg weight and easy operation laboratory pumps are used everywhere where the pumping of liquids out of small quantities is part of the daily business.

The pumps have proven themselves in pharmacies, laboratories and the chemical trading as economic and safe solution when filling and transferring of acids and alkalies.

Convince yourself of the quality and the optimal price/performance ratio of the JESSBERGER laboratory pumps!

The economic and safe solution for the filling and transferring of small quantities of neutral and aggressive media like acids and alkalies means JESSBERGER laboratory pumps.

The particular advantages in an overview:

- Designed for a safe and easy filling of low quantities out of narrow-necked containers and canisters.
- Suitable for almost all thin fluid, neutral or corrosive media, but not for flammable liquids (for stainless steel pump tube ATEX is in preparation).
- Handiness and good transportability due to the low weight.
- The pumps are driven by universal motors or air operated motors.
- Ergonomically designed handle of high-performance electric motor for single-handed operation.
- Sealless pump tubes made of polypropylene (PP) and stainless steel 316 Ti with acid and alkali-resistant shaft made of stainless steel or hastelloy 2,4610.

Air operated motor



Laboratory pump tube

- Optimal drum emptying through the availability of different suction tube lengths and suction tube diameters.
- Hose connection included in delivery; for PP-pump tube with Ø 25 mm: hose connection 1/2", for Ø 28 and 32 mm hose connection 3/4"; for SS-pump tube for Ø 28 mm hose connection 3/4", for Ø 32 mm hose connection 1".
- Wide range of accessories as barrel and threaded adapters, media-resistant hoses, nozzles, wall hanger or flow meters available on request (see summary on page 22).
- Quick disconnection of the drive from the pump tube through a few rotations.
- Easy disassembling and easy cleaning of the pump tube.
- Consistent modular system.

Laboratory pump tubes

Pump tubes made of polypropylene with stainless steel drive shaft for neutral or slightly aggressive media or with hastelloy drive shaft for aggressive media such as acids and alkalies. Alternatively pump tube made of stainless steel 316Ti.

Suction tube diameter at polypropylene 25, 28 or 32 mm; at stainless steel tubes 28 or 32 mm

Standard suction tube lengths: 500, 700, 1,000 and 1,200 mm depending on the pump tube diameter (special lengths available)

Ø 25 mm: Flow rate 23 l/min, head 7 m*

Ø 28 mm: Flow rate 40 l/min, head 9 m*

Ø 32 mm: Flow rate 49 l/min, head 10 m*

Density: 1,3*

Viscosity: 400 mPas*

(with motor JP-140, 230 V, 450 W)

* Test medium water 20 °C, pressure pipe 1" oval gear meter, measured values: ±5%

JP-120 Electric universal motor

JP-140 230 Volt, 50 Hz, 250 or 450 Watt, IP 24, alternatively 115 Volt, 60 Hz



Description

- The drives JP-120 and JP-140 are compactly built, not explosion-proof, internally ventilated universal motors in various power classes.
- The lightweight, handy and powerful devices can be used to drive the suction tubes of the laboratory pumps and drum pumps and are suitable in this combination for many thin liquid, neutral, aggressive and non-flammable media. Their sophisticated, technically clear structure ensures an efficient and safe use when transferring different media.
- The drum pump motors are characterized not only by their light weight (2 to 2,3 kg) but also by their elegant design and easy of use. The non-stationary and stationary usable drives are particularly suitable for intermittent operation. As internally ventilated motors they have an optimum air cooling, low noise level and ensure high operational safety and long life time.

- The motor housing made of polypropylene ensures high chemical resistance when aggressive vapours of acids and alkalis are present.
- The standard in the on/off switch integrated low voltage release is intended to prevent an uncontrolled start of the drum pump motor after a power failure or voltage drop and thus guarantees maximum safety. By the presence of a thermal protection the life time of the engine is significantly increased.
- The flow rate of the transferred media can be optionally regulated via a speed control that is mounted laterally in the motor housing, be throttled and therefore adapted to the needs of the user.
- The maximum density of the media is for the JP-120 universal motor 1.2, the maximum viscosity 200 mPas. The 450 watt motor JP-140 can be used up to a density of 1.3 and up to a viscosity of 400 mPas.

Electric universal motor JP-120

230 Volt, 50 Hz, 250 Watt, IP 24, double insulation protection class II, over load protection switch with or without low voltage release. Thermal protection, 5 m cable with plug. Also available in 115 volts, 60 Hz.

Speed control as option.

Operating data JP-120

Flow rate (with hose and oval gear meter):

- Ø 25 mm up to 20 l/min*
- Ø 28 mm up to 35 l/min*
- Ø 32 mm up to 40 l/min*

Head:

- Ø 25 mm up to 5 m*
- Ø 28 mm up to 7 m*
- Ø 32 mm up to 7 m*

Viscosity: up to 200 mPas*

Density: up to 1,2*

Electric universal motor JP-140

230 Volt, 50 Hz, 450 Watt, IP 24, double insulation protection class II, over load protection switch with or without low voltage release. Thermal protection, 5 m cable with plug. Also available in 115 volts, 60 Hz.

Speed control as option.

Operating data JP-140

Flow rate (with hose and oval gear meter):

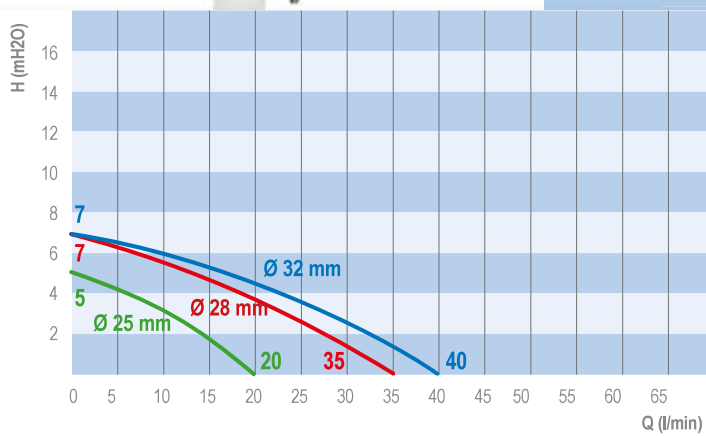
- Ø 25 mm up to 23 l/min*
- Ø 28 mm up to 40 l/min*
- Ø 32 mm up to 49 l/min*

Head:

- Ø 25 mm up to 7 m*
- Ø 28 mm up to 9 m*
- Ø 32 mm up to 10 m*

Viscosity: up to 400 mPas*

Density: up to 1,3*



JP-120, 230 VAC, JP-PP(HC)32,28,25-1,000 test media water 20°C, pressure pipe 1", oval gear meter, measured values: ± 5%

*Data obtained with a 1" pipe are indicated in the performance curve

*Test media water 20 ° C, pressure pipe 1", oval gear meter, measured values: ± 5%



Order No.:

JP-120 1120 2300
230 V 1~, 50 Hz, 250 W
without low voltage release

JP-120 1120 2301
230 V 1~, 50 Hz, 250 W
with low voltage release

JP-120 1120 2302
230 V 1~, 50 Hz, 250 W
with speed control
without low voltage release

JP-120 1120 2303
230 V 1~, 50 Hz, 250 W
with speed control
with low voltage release

JP-120 1120 1150
115 V 1~, 60 Hz, 250 W
without low voltage release

JP-120 1120 1151
115 V 1~, 60 Hz, 250 W
with low voltage release

JP-120 1120 1152
115 V 1~, 60 Hz, 250 W
with speed control
without low voltage release

JP-120 1120 1153
115 V 1~, 60 Hz, 250 W
with speed control
with low voltage release

Order No.:

JP-140 1140 2300
230 V 1~, 50 Hz, 450 W
without low voltage release

JP-140 1140 2301
230 V 1~, 50 Hz, 450 W
with low voltage release

JP-140 1140 2302
230 V 1~, 50 Hz, 450 W
with speed control
without low voltage release

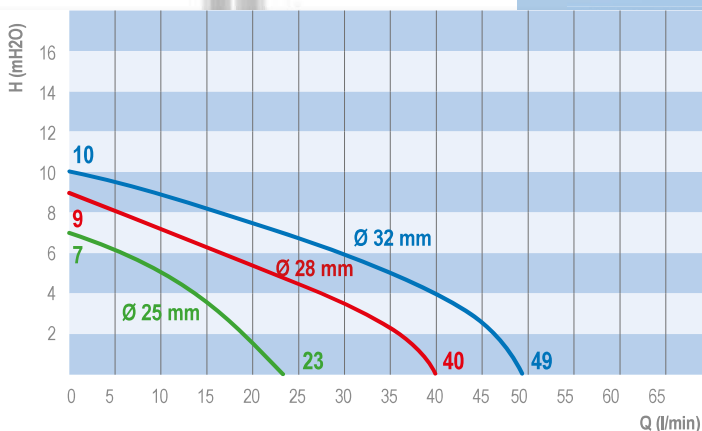
JP-140 1140 2303
230 V 1~, 50 Hz, 450 W
with speed control
with low voltage release

JP-140 1140 1150
115 V 1~, 60 Hz, 450 W
without low voltage release

JP-140 1140 1151
115 V 1~, 60 Hz, 450 W
with low voltage release

JP-140 1140 1152
115 V 1~, 60 Hz, 450 W
with speed control
without low voltage release

JP-140 1140 1153
115 V 1~, 60 Hz, 450 W
with speed control
with low voltage release

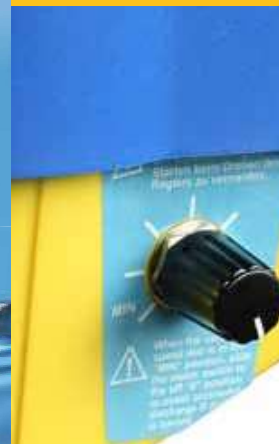


JP-140, 230 VAC, JP-PP(HC)32,28,25-1,000, test media water 20°C, pressure pipe 1", oval gear meter, measured values: ± 5%

Electronic speed control

The speed of the drum pump motors JP-120, JP-140 can be controlled via a knob on the side of the motor housing electronically. This enables an adjustment of the flow rate.

The electronic speed control is available as an option.



JP-AIR1 Air operated motor

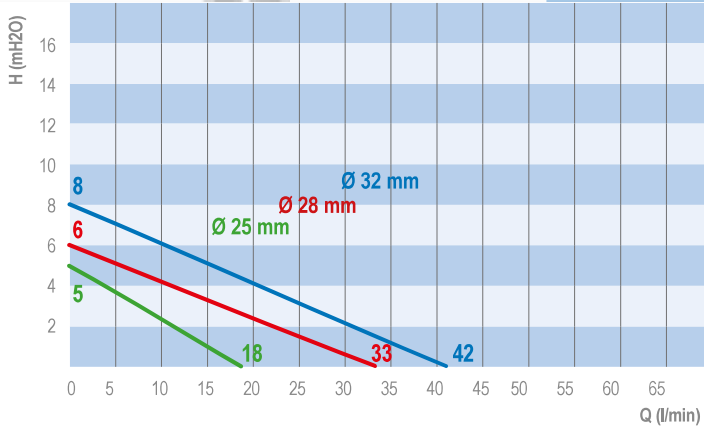
300 Watt at max. 6 bar operating pressure



Description

- The drive JP-AIR 1 is a compactly built, elegant designed air motor with an aluminium housing.
- The lightweight, handy and powerful device can be used as drive for the laboratory and drum pump tubes and is suitable in this combination for many thin liquid, neutral and aggressive media. Flammable media are not allowed to be transferred with the laboratory pump tubes made of stainless steel cause of missing ATEX certification. The sophisticated, technically clear structure ensures an efficient and safe use when transferring various media.
- The air operated drum pump motor is characterized beside its light weight (2 kg) by its elegant design and ease of use. The non-stationary and stationary usable drive is particularly suitable for intermittent operation.

- Via the included ball valve the compressed air can be dosed at the air inlet, and thereby the rotational speed of the motor. Therefore the flow rate of the pumped media can be adjusted to the users requirements.
- The maximum operating pressure is 6 bar. The included silencer ensures a low noise level. The air consumption of the engine is under load 13 l / sec.
- The maximum density of the media is for the explosion-proof air operated motor JP-AIR 1 1.3, the maximum viscosity 400 mPas.



JP-AIR1, JP-PP(HC)32,28,25-1,000, test media water 20°C, pressure pipe 1", oval gear meter, measured values: ± 5%

Air operated motor JP-AIR 1

300 Watt at max. 6 bar operating pressure, with silencer and brass ball valve for dosing the compressed air. Therefore the speed of the motor and flow rate of the pump can be adjusted.

Operating data JP-AIR 1

Flow rate (with hose and oval gear meter):
 Ø 25 mm up to 18 l/min*
 Ø 28 mm up to 33 l/min*
 Ø 32 mm up to 42 l/min*

Head:
 Ø 25 mm up to 5 m*
 Ø 28 mm up to 6 m*
 Ø 32 mm up to 8 m*

Viscosity:
 up to 400 mPas*

Density:
 up to 1,3*

*Data obtained with a 1" pipe are indicated in the performance curve

*Test media water 20 ° C, pressure pipe 1", oval gear meter, measured values: ± 5%



Order No.:

JP-AIR 1 3001 0300
 300 Watt at max. 6 bar operating pressure

Air consumption under load 13 l/sec.


► The Laboratory pumps can also be combined with the air motors JP-AIR 2 or JP-AIR 3.


Pump tubes for laboratory pumps


made of polypropylene or stainless steel

Pump tubes in sealless design for pumping small quantities of neutral and slightly aggressive (with stainless steel pump tube or polypropylene pump tube with stainless steel shaft) or aggressive (with polypropylene pump tube with hastelloy shaft) media out of containers with narrow neck.

Pump tube made of polypropylene or stainless steel, various suction tube diameters and lengths, complete with 1/2" hose connection (for PP Ø 25 mm) or 3/4" (with PP for Ø 28 and 32 mm), SS Ø 28 3/4" or SS Ø 32 1" for stainless steel. The pump tubes can be combined with all electric motors (see page 25-32) and air operated motors (see page 34-36) outside hazardous area.

	Material of pump tube	Pump tube diameter	Pump tube length	Order No.
	Polypropylene (SS) Stainless steel drive shaft 316 Ti	Ø 25 mm	500 mm	2625 0050
		Ø 25 mm	700 mm	2625 0070
		Ø 25 mm	1,000 mm	2625 0100
		Ø 28 mm	500 mm	2628 0050
		Ø 28 mm	700 mm	2628 0070
		Ø 28 mm	1,000 mm	2628 0100
		Ø 32 mm	700 mm	2632 0070
		Ø 32 mm	1,000 mm	2632 0100
		Ø 32 mm	1,200 mm	2632 0120

	Polypropylene (HC) Hastelloy drive shaft 2,4610	Ø 25 mm	500 mm	2125 0050
		Ø 25 mm	700 mm	2125 0070
		Ø 25 mm	1,000 mm	2125 0100
		Ø 28 mm	500 mm	2128 0050
		Ø 28 mm	700 mm	2128 0070
		Ø 28 mm	1,000 mm	2128 0100
		Ø 32 mm	700 mm	2132 0070
		Ø 32 mm	1,000 mm	2132 0100
		Ø 32 mm	1,200 mm	2132 0120


	Stainless steel 316 Ti	Ø 28 mm	700 mm	2228 0070
		Ø 28 mm	1,000 mm	2228 0100
		Ø 28 mm	1,200 mm	2228 0120
		Ø 32 mm	700 mm	2232 0070
		Ø 32 mm	1,000 mm	2232 0100
		Ø 32 mm	1,200 mm	2232 0120

Laboratory pumps with electric motor JP-120

Laboratory pump tube made of polypropylene with a stainless steel drive shaft and a suction tube diameter of Ø 25 or 28 mm

For transferring and pumping small quantities of neutral or slightly aggressive media out of containers with narrow necks.

Universal motor JP-120, 230 V, 50 Hz, 250 W, IP 24, alternatively 115 V, 60 Hz, double insulated protection class II, on/off switch, thermal protection, 5 m cable with plug.

	Material of Pump tube	Motor version	Pump tube diameter	Pump tube length	Order No.
	JP-125 Polypropylene (SS) Stainless steel drive shaft 316 Ti	LVR: Low voltage release, SC: Speed control			
		without LVR	Ø 25 mm	500 mm	1625 0050
		with LVR	Ø 25 mm	500 mm	1625 0051
		without LVR, with SC	Ø 25 mm	500 mm	1625 0052
		with LVR + SC	Ø 25 mm	500 mm	1625 0053
		without LVR	Ø 25 mm	700 mm	1625 0070
		with LVR	Ø 25 mm	700 mm	1625 0071
		without LVR, with SC	Ø 25 mm	700 mm	1625 0072
		with LVR + SC	Ø 25 mm	700 mm	1625 0073
		without LVR	Ø 25 mm	1,000 mm	1625 0100
		with LVR	Ø 25 mm	1,000 mm	1625 0101
		without LVR, with SC	Ø 25 mm	1,000 mm	1625 0102
		with LVR + SC	Ø 25 mm	1,000 mm	1625 0103
		without LVR	Ø 28 mm	500 mm	1628 0050
		with LVR	Ø 28 mm	500 mm	1628 0051
		without LVR, with SC	Ø 28 mm	500 mm	1628 0052
with LVR + SC	Ø 28 mm	500 mm	1628 0053		
without LVR	Ø 28 mm	700 mm	1628 0070		
with LVR	Ø 28 mm	700 mm	1628 0071		
without LVR, with SC	Ø 28 mm	700 mm	1628 0072		
with LVR + SC	Ø 28 mm	700 mm	1628 0073		
without LVR	Ø 28 mm	1,000 mm	1628 0100		
with LVR	Ø 28 mm	1,000 mm	1628 0101		
without LVR, with SC	Ø 28 mm	1,000 mm	1628 0102		
with LVR + SC	Ø 28 mm	1,000 mm	1628 0103		

Hose connection included in delivery:

For pump tube made of PP with Ø 25 mm: hose connection 1/2",
 for pump tube made of PP with Ø 28 and 32 mm: hose connection 3/4".

For SS pump tube with Ø 28 mm: hose connection 3/4",
 for SS pump tube with Ø 32 mm: hose connection 1".

Laboratory pumps with electric motor JP-120

Laboratory pump tube made of polypropylene with a hastelloy drive shaft and a suction tube diameter of Ø 25 or 28 mm

For transferring and pumping small quantities of acids and alkaline media out of containers with narrow necks.

Universal motor JP-120, 230 V, 50 Hz, 250 W, IP 24, alternatively 115 V, 60 Hz, double insulated protection class II, on/off switch, thermal protection, 5 m cable with plug.



Material of Pump tube	Motor version	Pump tube diameter	Pump tube length	Order No.	
JP-125 Polypropylene (HC) Hastelloy drive shaft 2,4610	LVR: Low voltage release, SC: Speed control				
	without LVR	Ø 25 mm	500 mm	1125 0050	
	with LVR	Ø 25 mm	500 mm	1125 0051	
	without LVR, with SC	Ø 25 mm	500 mm	1125 0052	
	with LVR + SC	Ø 25 mm	500 mm	1125 0053	
	without LVR	Ø 25 mm	700 mm	1125 0070	
	with LVR	Ø 25 mm	700 mm	1125 0071	
	without LVR, with SC	Ø 25 mm	700 mm	1125 0072	
	with LVR + SC	Ø 25 mm	700 mm	1125 0073	
	without LVR	Ø 25 mm	1,000 mm	1125 0100	
	with LVR	Ø 25 mm	1,000 mm	1125 0101	
	without LVR, with SC	Ø 25 mm	1,000 mm	1125 0102	
	with LVR + SC	Ø 25 mm	1,000 mm	1125 0103	
	JP-128 Polypropylene (HC) Hastelloy drive shaft 2,4610	without LVR	Ø 28 mm	500 mm	1128 0050
		with LVR	Ø 28 mm	500 mm	1128 0051
		without LVR, with SC	Ø 28 mm	500 mm	1128 0052
with LVR + SC		Ø 28 mm	500 mm	1128 0053	
without LVR		Ø 28 mm	700 mm	1128 0070	
with LVR		Ø 28 mm	700 mm	1128 0071	
without LVR, with SC		Ø 28 mm	700 mm	1128 0072	
with LVR + SC		Ø 28 mm	700 mm	1128 0073	
without LVR		Ø 28 mm	1,000 mm	1128 0100	
with LVR		Ø 28 mm	1,000 mm	1128 0101	
without LVR, with SC		Ø 28 mm	1,000 mm	1128 0102	
with LVR + SC		Ø 28 mm	1,000 mm	1128 0103	

Hose connection included in delivery:

For pump tube made of PP with Ø 25 mm: hose connection 1/2",
 for pump tube made of PP with Ø 28 and 32 mm: hose connection 3/4".


For SS pump tube with Ø 28 mm: hose connection 3/4",
 for SS pump tube with Ø 32 mm: hose connection 1".

Laboratory pumps with electric motor JP-120

Laboratory pump tube made of stainless steel
with a suction tube diameter of Ø 28 mm

For transferring and pumping small quantities of neutral or slightly aggressive media out of containers with narrow necks.

Universal motor JP-120, 230 V, 50 Hz, 250 W, IP 24, alternatively 115 V, 60 Hz, double insulated protection class II, on/off switch, thermal protection, 5 m cable with plug.

	Material of Pump tube	Motor version	Pump tube diameter	Pump tube length	Order No.
	JP-128 Stainless steel 316 Ti	LVR: Low voltage release, SC: Speed control			
		without LVR	Ø 28 mm	700 mm	1228 0070
		with LVR	Ø 28 mm	700 mm	1228 0071
		without LVR, with SC	Ø 28 mm	700 mm	1228 0072
		with LVR + SC	Ø 28 mm	700 mm	1228 0073
		without LVR	Ø 28 mm	1,000 mm	1228 0100
		with LVR	Ø 28 mm	1,000 mm	1228 0101
		without LVR, with SC	Ø 28 mm	1,000 mm	1228 0102
		with LVR + SC	Ø 28 mm	1,000 mm	1228 0103
		without LVR	Ø 28 mm	1,200 mm	1228 0120
		with LVR	Ø 28 mm	1,200 mm	1228 0121
		without LVR, with SC	Ø 28 mm	1,200 mm	1228 0122
		with LVR + SC	Ø 28 mm	1,200 mm	1228 0123

Hose connection included in delivery:

For pump tube made of PP with Ø 25 mm: hose connection 1/2",
for pump tube made of PP with Ø 28 and 32 mm: hose connection 3/4".

For SS pump tube with Ø 28 mm: hose connection 3/4",
for SS pump tube with Ø 32 mm: hose connection 1".

Laboratory pumps with electric motor JP-140

Laboratory pump tube made of polypropylene with a stainless steel or hastelloy drive shaft and a suction tube diameter of Ø 32 mm

For transferring and pumping small quantities of neutral or slightly aggressive media out of containers with narrow necks.

Universal motor JP-140, 230 V, 50 Hz, 450 W, IP 24, alternatively 115 V, 60 Hz, double insulated protection class II, on/off switch, thermal protection, 5 m cable with plug.



Material of Pump tube	Motor version	Pump tube diameter	Pump tube length	Order No.	
LVR: Low voltage release, SC: Speed control					
JP-132 Polypropylene (SS) Stainless steel drive shaft 316 Ti	without LVR	Ø 32 mm	700 mm	1632 0070	
	with LVR	Ø 32 mm	700 mm	1632 0071	
	without LVR, with SC	Ø 32 mm	700 mm	1632 0072	
	with LVR + SC	Ø 32 mm	700 mm	1632 0073	
	without LVR	Ø 32 mm	1,000 mm	1632 0100	
	with LVR	Ø 32 mm	1,000 mm	1632 0101	
	without LVR, with SC	Ø 32 mm	1,000 mm	1632 0102	
	with LVR + SC	Ø 32 mm	1,000 mm	1632 0103	
	without LVR	Ø 32 mm	1,200 mm	1632 0120	
	with LVR	Ø 32 mm	1,200 mm	1632 0121	
	without LVR, with SC	Ø 32 mm	1,200 mm	1632 0122	
	with LVR + SC	Ø 32 mm	1,200 mm	1632 0123	
	JP-132 Polypropylene (HC) Hastelloy drive shaft 2,4610	without LVR	Ø 32 mm	700 mm	1132 0070
		with LVR	Ø 32 mm	700 mm	1132 0071
		without LVR, with SC	Ø 32 mm	700 mm	1132 0072
		with LVR + SC	Ø 32 mm	700 mm	1132 0073
without LVR		Ø 32 mm	1,000 mm	1132 0100	
with LVR		Ø 32 mm	1,000 mm	1132 0101	
without LVR, with SC		Ø 32 mm	1,000 mm	1132 0102	
with LVR + SC		Ø 32 mm	1,000 mm	1132 0103	
without LVR		Ø 32 mm	1,200 mm	1132 0120	
with LVR		Ø 32 mm	1,200 mm	1132 0121	
without LVR, with SC		Ø 32 mm	1,200 mm	1132 0122	
with LVR + SC		Ø 32 mm	1,200 mm	1132 0123	

Hose connection included in delivery:

For pump tube made of PP with Ø 25 mm: hose connection 1/2",
 for pump tube made of PP with Ø 28 and 32 mm: hose connection 3/4".


For SS pump tube with Ø 28 mm: hose connection 3/4",
 for SS pump tube with Ø 32 mm: hose connection 1".

Laboratory pumps with electric motor JP-140

Laboratory pump tube made of stainless steel
and a suction tube diameter of Ø 32 mm

For transferring and pumping small quantities of neutral or slightly aggressive media out of containers with narrow necks.

Universal motor JP-140, 230 V, 50 Hz, 450 W, IP 24, alternatively 115 V, 60 Hz, double insulated protection class II, on/off switch, thermal protection, 5 m cable with plug.

	Material of Pump tube	Motor version	Pump tube diameter	Pump tube length	Order No.
	JP-132 Stainless steel 316 Ti	LVR: Low voltage release, SC: Speed control			
		without LVR	Ø 32 mm	700 mm	1232 0070
		with LVR	Ø 32 mm	700 mm	1232 0071
		without LVR, with SC	Ø 32 mm	700 mm	1232 0072
		with LVR + SC	Ø 32 mm	700 mm	1232 0073
		without LVR	Ø 32 mm	1,000 mm	1232 0100
		with LVR	Ø 32 mm	1,000 mm	1232 0101
		without LVR, with SC	Ø 32 mm	1,000 mm	1232 0102
		with LVR + SC	Ø 32 mm	1,000 mm	1232 0103
		without LVR	Ø 32 mm	1,200 mm	1232 0120
		with LVR	Ø 32 mm	1,200 mm	1232 0121
		without LVR, with SC	Ø 32 mm	1,200 mm	1232 0122
		with LVR + SC	Ø 32 mm	1,200 mm	1232 0123

Hose connection included in delivery:

For pump tube made of PP with Ø 25 mm: hose connection 1/2",
for pump tube made of PP with Ø 28 and 32 mm: hose connection 3/4".

For SS pump tube with Ø 28 mm: hose connection 3/4",
for SS pump tube with Ø 32 mm: hose connection 1".




Laboratory pumps with air operated motor JP-AIR1

Laboratory pump tube made of polypropylene or stainless steel and with a suction tube diameter of Ø 25, 28 and 32 mm

Modular system:
Motors JP-AIR 2 and JP-AIR 3 are also useable

For transferring and pumping small quantities of neutral and slightly aggressive (with stainless steel pump tube or polypropylene pump tube with stainless steel shaft) or aggressive (with polypropylene pump tube and hastelloy drive shaft) media out of containers with narrow necks.

Air operated motor JP-AIR 1, 300 W at max. 6 bar, with ball valve and silencer, air consumption under load 13 l/sec.

	Material of pump tube	Pump tube diameter	Pump tube length	Order No.	
	Polypropylene (SS) Stainless steel drive shaft 316 Ti	JP-325	Ø 25 mm	500 mm	3625 0050
			Ø 25 mm	700 mm	3625 0070
			Ø 25 mm	1,000 mm	3625 0100
		JP-328	Ø 28 mm	500 mm	3628 0050
			Ø 28 mm	700 mm	3628 0070
			Ø 28 mm	1,000 mm	3628 0100
		JP-332	Ø 32 mm	700 mm	3632 0070
			Ø 32 mm	1,000 mm	3632 0100
			Ø 32 mm	1,200 mm	3632 0120
	Polypropylene (HC) Hastelloy drive shaft 2,4610	JP-325	Ø 25 mm	500 mm	3125 0050
			Ø 25 mm	700 mm	3125 0070
			Ø 25 mm	1,000 mm	3125 0100
		JP-328	Ø 28 mm	500 mm	3128 0050
			Ø 28 mm	700 mm	3128 0070
			Ø 28 mm	1,000 mm	3128 0100
		JP-332	Ø 32 mm	700 mm	3132 0070
			Ø 32 mm	1,000 mm	3132 0100
			Ø 32 mm	1,200 mm	3132 0120
	Stainless steel 316 Ti	JP-328	Ø 28 mm	700 mm	3228 0070
			Ø 28 mm	1,000 mm	3228 0100
			Ø 28 mm	1,200 mm	3228 0120
		JP-332	Ø 32 mm	700 mm	3232 0070
			Ø 32 mm	1,000 mm	3232 0100
			Ø 32 mm	1,200 mm	3232 0120

Hose connection included in delivery:

For pump tube made of PP with Ø 25 mm: hose connection 1/2",
for pump tube made of PP with Ø 28 and 32 mm: hose connection 3/4".

For SS pump tube with Ø 28 mm: hose connection 3/4",
for SS pump tube with Ø 32 mm: hose connection 1".

Accessories for laboratory pumps

		Order No.
	<p>Nozzle made of polypropylene for a safe filling and transferring of low quantities with hose connection 1/2" (NW 13)"</p>	1/2" 9016
	<p>Nozzle made of polypropylene Housing and internal parts made of polypropylene, valve seat and o-rings made of Viton® (FKM) or EPDM, rotatable hose connection Flow rate: 80 l/min* Viscosity: 800 mPas Operating pressure: 3 bar* Weight: 210 g</p>	1/2" 9101
	<p>Barrel adapter made of polypropylene for secure fixing of drum pump in bung-hole of a drum Diameter of pump tube 25, 28 or 32 mm, G 2"</p>	Ø 25 9078 Ø 28 9079 Ø 32 9080
	<p>Barrel adapter made of stainless steel for secure fixing of drum pump in bung-hole of a drum Diameter of pump tube 32 mm, G 2"</p>	Ø 32 9081
	<p>The barrel adapters fit due to their 2" thread in 60 and 200 liter steel drums. For use in plastic drums or plastic canisters they can be combined with the thread adapters on page 10.</p>	
	<p>Wall hanger for laboratory pump for a secure storage of barrel pump when out of operation and for protection against damages</p>	9007
	<p>PVC-hose crystal clear with fabric lining, suitable for non flammable, neutral and aggressive media Operating pressure: 10 bar* Temperature: -35°C up to +60°C*</p>	1/2" 9049 3/4" 9050
	<p>Multi purpose chemical- and solvent hose, conductive inner wall homogeneous, smooth, EPDM (Ethylene Propylene Rubber) conductive, suitable for many alkalies, acids, acetates, aldehydes, amines, esters, ethers and ketones, not suitable for carbonic gassy products and their derivatives, as well as oils and gasoline Operating pressure: 16 bar* Temperature: -40°C up to +90°C*</p>	1/2" 9054 3/4" 9055
	<p>Multi purpose chemical hose, conductive inner wall homogeneous, smooth, PE-X (knitted polyethylene), conductive, suitable for nearly all chemicals. Not suitable for oleum, brom and chlorsulfon acid Operating pressure: 10 bar* Temperature: -25°C up to +90°C*</p>	1/2" 9059 3/4" 9060

Laboratory pump sets

Laboratory pump sets JP-120 / JP-140

Order No.



Laboratory pump set JP-120 PP (HC) 700, Ø 28 mm

Universal motor JP-120, 230 Volt, 50 Hz, 250 Watt, IP 24 internally ventilated universal motor, splash protection to IP 24, thermal protection, on/off switch, 5 m cable with plug, double isolated class II, over load protection switch with low voltage release

Pump tube: Polypropylene, sealless, 700 mm, outer-Ø 28 mm, HC-shaft 2,4610, connection thread G 1", hose connection 3/4" (NW 19)

2 m PVC hose 3/4" (NW 19)

2 Hose clamps Stainless steel

1 Nozzle Polypropylene (Viton®) 3/4"

Flow rate: up to 35 l/min*, **Head:** up to 7 m*, **Density:** up to 1.2*, **Medium temperature:** up to 50 °C, **Viscosity:** up to 200 mPas*

1121 2807



Laboratory pump set JP-120 PP (HC) 1000, Ø 28 mm

Universal motor JP-120, 230 Volt, 50 Hz, 250 Watt, IP 24 internally ventilated universal motor, splash protection to IP 24, thermal protection, on/off switch, 5 m cable with plug, double isolated class II, over load protection switch with low voltage release

Pump tube: Polypropylene, sealless, 1,000 mm, outer-Ø 28 mm, HC-shaft 2,4610, connection thread G 1", hose connection 3/4" (NW 19)

2 m PVC hose 3/4" (NW 19)

2 Hose clamps Stainless steel

1 Nozzle Polypropylene (Viton®) 3/4"

Flow rate: up to 35 l/min*, **Head:** up to 7 m*, **Density:** up to 1.2*, **Medium temperature:** up to 50 °C, **Viscosity:** up to 200 mPas*

1121 2810

Laboratory pump set JP-140 SS 1000, Ø 32 mm

Universal motor JP-140, 230 Volt, 50 Hz, 450 Watt, IP 24 internally ventilated universal motor, splash protection to IP 24, thermal protection, on/off switch, 5 m cable with plug, double isolated class II, over load protection switch with low voltage release

Pump tube: Stainless steel 316 Ti, sealless, 1,000 mm, outer-Ø 32 mm, connection thread G 1", hose connection 3/4" (NW 19)

2 m Multi purpose chemical hose 3/4" (NW 19)

2 Hose clamps Stainless steel

1 Nozzle Brass nickel plated 3/4"

Flow rate: up to 49 l/min*, **Head:** up to 10 m*, **Density:** up to 1.3*, **Medium temperature:** up to 90 °C, **Viscosity:** up to 400 mPas*

1141 3210

Laboratory pump set JP-AIR 1



Laboratory pump set JP-AIR 1 SS 1000, Ø 32 mm

Air operated motor JP-AIR 1, 300 W at max. 6 bar operating pressure. Motor with brass ball valve and muffler for compressed air control. This regulates the motor speed and varies the pumping capacity.

Pump tube: Stainless steel 316 Ti, sealless, 1,000 mm, outer-Ø 32 mm, connection thread G 1", hose connection 3/4" (NW 19)

2 m Multi purpose chemical hose 3/4" (NW 19)

2 Hose clamps Stainless steel

1 Nozzle Brass nickel plated 3/4"

Flow rate: up to 42 l/min*, **Head:** up to 8 m*, **Density:** up to 1.3*, **Medium temperature:** up to 90 °C, **Viscosity:** up to 400 mPas*

3012 3210

*Test media water 20°C, pressure pipe 1", oval gear meter, measured values: ± 5%