

DRUM PUMPS/ATEX

AIR DRIVEN PUMPS



**Air operated drum pump
JP-Air 1 motor with
pump tube (41 mm)**

**Air operated drum pump
JP-Air 2 motor with
pump tube (41 mm)**

**Air operated drum pump
JP-Air 3 motor with
pump tube (41 mm)**

Description	Light and powerful air operated pump for different thin-fluid and middle viscous media. The air operated motors and Stainless steel pump tubes offer high safety at flammable media.	Light and powerful air operated pump for different thin-fluid and middle viscous media. The air operated motors and Stainless steel pump tubes offer high safety at flammable media.	Light and powerful air operated pump for different thin-fluid and middle viscous media. The air operated motors and Stainless steel pump tubes offer high safety at flammable media.
MOTOR	Air operated motor JP-Air 1	Air operated motor JP-Air 2	Air operated motor JP-Air 3
Technical data	Max. 6 bar operating pressure. Motor with silencer and brass ball valve for dosing the compressed air. This controls the motor speed and varies the flow rate. Ex: II 2G Ex h IIC T6 Gb X Ex: II 2D Ex h IIC T80°C Db X	Max. 6 bar operating pressure. Motor with silencer. The speed can be regulated at customer site via a ball valve. At the motor handle is an on/off button that can be fixed through a rotational movement. Ex: II 2G Ex h IIC T6 Gb X Ex: II 2D Ex h IIC T80°C Db X	Max. 6 bar operating pressure. Motor with Stainless steel housing and a ball valve at the air inlet for dosing the compressed air. This controls the motor speed and varies the flow rate. Ex: II 2G Ex h IIC T6 Gb X Ex: II 2D Ex h IIC T80°C Db X
Performance	300 W at max. 6 bar operating pressure	600 W at max. 6 bar operating pressure	400 W at max. 6 bar operating pressure
Voltage/Power	Compressed air (air consumption 10 l/sec. under load)	Compressed air (air consumption 15 l/sec. under load)	Compressed air (air consumption 8 l/sec. under load)
PUMP TUBE	Pump tube 41 mm	Pump tube 41 mm	Pump tube 41 mm
Material***	Stainless steel, at PP, PVDF, ALU pump tubes no Ex protection	Stainless steel, at PP, PVDF, ALU pump tubes no Ex protection	Stainless steel, at PP, PVDF, ALU pump tubes no Ex protection
Pump tube lengths**	700–3.000 mm Special lengths on request	700–3.000 mm Special lengths on request	700–3.000 mm Special lengths on request
Pump tube diameter	41 mm	41 mm	41 mm
Hose connection	1", alternatively 3/4" or 1 1/4"	1", alternatively 3/4" or 1 1/4"	1", alternatively 3/4" or 1 1/4"
Flow rate*	up to 78 l/min (Rotor) up to 60 l/min (Impeller)	up to 80 l/min (Rotor) up to 66 l/min (Impeller)	up to 91 l/min (Rotor) up to 71 l/min (Impeller)
Head*	up to 9 m (Rotor) up to 13 m (Impeller)	up to 10 m (Rotor) up to 15 m (Impeller)	up to 13 m (Rotor) up to 25 m (Impeller)
Viscosity/ Density*	up to 400 mPas/1,3	up to 600 mPas/1,5	up to 600 mPas/1,5

* All specified values are maximum values. Test media water 20 °C,
2 m horizontal discharge pipe 1", oval gear meter 1", measured values: ± 5%.

** Measured from the end at the pump foot
to the middle of the discharge outlet.

*** Stainless steel 316Ti

DRUM PUMPS/ATEX



**Electric drum pump
JP-400 motor with
pump tube (41 mm)**

**Electric drum pump
JP-440/JP-460/JP-480 motor with
pump tube (41 mm)**

Description	Robust, explosion-proof drum pump with powerful motor for transferring high flammable media and for use in potential explosive environments.	Robust, explosion-proof drum pump with powerful motor for transferring high flammable media and for use in potential explosive environments.
MOTOR	Electric universal motor JP-400	Electric universal motor JP-440/JP-460/JP-480
Technical data	Protection type II 2G Ex de IIA T6, IP 54, double insulated, protection class II, overload protection switch with integrated low voltage release, 5 m cable without plug . Optional with Ex-plug.	Protection type II 2G Ex db IIC T6 Gb, IP 55, with integrated low voltage release, 5 m cable without plug . Optional with Ex-plug.
Performance	550 W	JP-440: 400 W JP-460: 640 W JP-480: 825 W
Voltage/drive	230 V - 50/60 Hz	230 or 115 V - 50/60 Hz
PUMP TUBE	Pump tube 41 mm	Pump tube 41 mm
Material***	Stainless steel	Stainless steel
Pump tube lengths**	700–3.000 mm Special lengths on request	700–3.000 mm Special lengths on request
Pump tube diameter	41 mm	41 mm
Hose connection	1", alternatively 3/4" or 1 1/4"	1", alternatively 3/4" or 1 1/4"
Flow rate*	JP-400: up to 97 l/min (Rotor) up to 71 l/min (Impeller)	JP-440: up to 82 l/min (Rotor) up to 61 l/min (Impeller) JP-460: up to 93 l/min (Rotor) up to 74 l/min (Impeller) JP-480: up to 112 l/min (Rotor) up to 83 l/min (Impeller)
Head*	JP-400: up to 11 m (Rotor) up to 20 m (Impeller)	JP-440: up to 9 m (Rotor) up to 20 m (Impeller) JP-460: up to 11 m (Rotor) up to 26 m (Impeller) JP-480: up to 16 m (Rotor) up to 37 m (Impeller)
Viscosity/ Density*	JP-400: up to 600 mPas/1,5	JP-440: up to 400 mPas/1,3 JP-460: up to 600 mPas/1,5 JP-480: up to 1.000 mPas/1,9

Rotor: Axial wheel for high flow rates at normal pressure.
Impeller: Radial wheel for high heads with reduced flow rate.

Available on request: Mixing pump tubes made of PP and Stainless steel,
Stainless steel pump tubes with mechanical seal or the option of complete drum emptying.



Sealless

Mechanical seal

Mixing function

Cpl. drum emptying