# DRUM PUMPS

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.

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### **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 IIIC 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 IIIC 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 IIIC 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

700-3.000 mm

Pump tube 41 mm

700-3.000 mm

# Material\*\*\*

## Stainless steel. at PP, PVDF, ALU pump tubes no Ex protection

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Pump tube lengths\*\*

# 700-3.000 mm Special lengths on request

# Special lengths on request

# Special lengths on request

Pump tube

# 41 mm

# 41 mm

diameter 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 I/min (Rotor) up to 60 l/min (Impeller)

up to 80 I/min (Rotor) up to 66 l/min (Impeller) up to 91 I/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 600 mPas/1,5

up to 13 m (Rotor)

Viscosity/

up to 400 mPas/1,3

up to 15 m (Impeller)

up to 25 m (Impeller)

up to 600 mPas/1,5

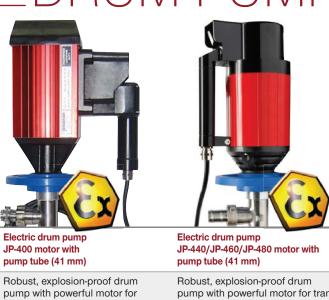
Density?

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

<sup>\*\*</sup> Measured from the end at the pump foot to the middle of the discharge outlet.

<sup>\*\*\*</sup> Stainless steel 316Ti

# RUM PUMPS/ATEX



**Description** 

transferring high flammable media and for use in potential explosive environments.

pump with powerful motor for transferring high flammable media and for use in potential explosive environments.

**MOTOR** 

**Technical data** 

# Electric universal motor

JP-400

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.

Electric universal motor JP-440/JP-460/JP-480

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

Voltage/drive

550 W

JP-440: 400 W JP-460: 640 W JP-480: 825 W

230 V - 50/60 Hz

230 or 115 V - 50/60 Hz

Pl	JM	РΤ	<b>UBE</b>	
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# Pump tube 41 mm

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Material\*\*\* Pump tube lengths\*\*

Stainless steel 700-3.000 mm Special lengths on request Stainless steel 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 I/min (Rotor) up to 71 l/min (Impeller) JP-440:

up to 82 I/min (Rotor) up to 61 l/min (Impeller)

JP-460:

up to 93 I/min (Rotor) up to 74 l/min (Impeller)

JP-480:

up to 112 I/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<sup>3</sup>

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.

Cpl. drum emptying

Mechnical seal

Mixing function

Sealless