

# JP-AIR1 Explosion-proof air operated motor

300 Watt at max. 6 bar operating pressure, Ex 2GD c IIC T6 (80 °C) X

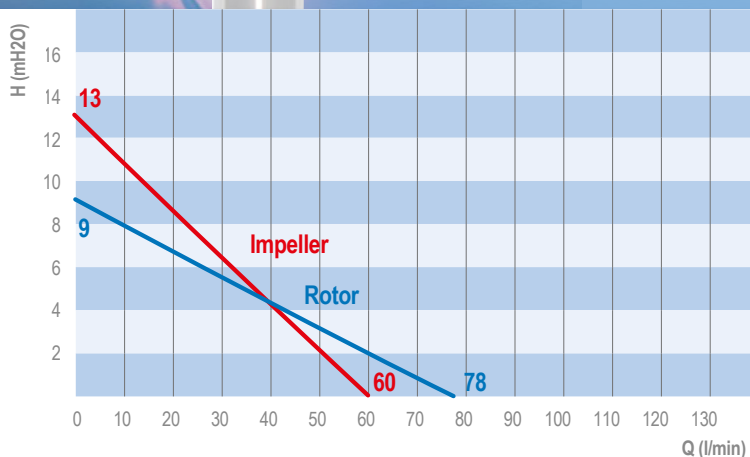
made of aluminium

## Description

- The air operated motor JP-AIR 1 is a compactly built, robust explosion-proof air operated motor in accordance with the latest explosion protection guidelines ATEX 100a (94/9/EC), category 2. The pneumatic motor is explosion-protected according to Ex 2 GD c IIC T6 (80 °C) X and has a type-certificate IBEX U05 ATEX B007 X. The motor JP-AIR 1 provides beside other air operated motors and the electric motor JP-400 maximum safety when pumping flammable media or for use in hazardous environments. At such applications for the drive motor and the pump tube separate approvals acc. to directive 94/9/EC (ATEX 100a) are required and a potential equalization has to be installed.
- The handy and powerful device (2.1 kg) can be used as a drive for the laboratory pump tubes (not ex-certified) or in hazardous areas for the ATEX certified sealless pump tubes made of stainless steel (Ø 41 mm), the mixing pump tubes in stainless steel, the stainless steel pump tubes with mechanical seal or complete drum emptying function. In combination with ATEX certified pump tubes, the drive is suitable for many low-viscous, neutral, slightly aggressive media and especially for

highly flammable media with a flash point below 55 °C. Its sophisticated, technically clear structure ensures an efficient and safe use when transferring the wide range of media.

- The drum pump motor is characterized in addition to its robustness by its elegant design and ease of use. The non-stationary and stationary usable drive is particularly suitable for intermittent operation. The construction of the motor guarantees a high operational safety and a long lifetime.
- The very robust aluminium motor housing ensures a good chemical resistance when aggressive solvent vapours are present.
- The air operated motor is supplied with a silencer and a ball valve at the air inlet for controlling the compressed air and thereby the motor speed.
- The maximum density of the media is for the explosion-proof air operated motor JP-AIR 1 1.3, the maximum viscosity 400 mPas.



## Air operated motor JP-AIR 1

300 Watt at max. 6 bar operating pressure, with silencer and a brass ball valve for control compressed air. This regulates speed of the motor and varies pumping capacity.

## Operating data JP-AIR 1

**Flow rate** (with hose and oval gear meter): up to 78 l/min (Rotor)\*  
up to 60 l/min (Impeller)\*

**Head:** up to 9 m (Rotor)\*  
up to 13 m (Impeller)\*

**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.