

# JP-AIR3 Explosion-proof air operated motor

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

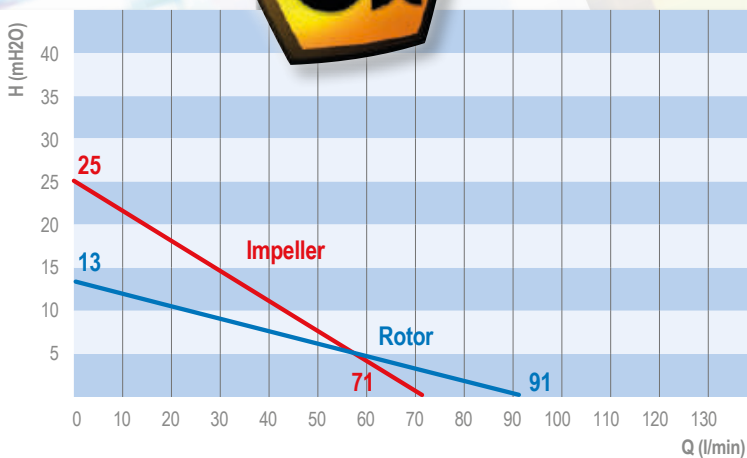
made of Stainless steel

## Description

- JP-AIR 3 is a compactly built, robust explosion-proof air operated motor in accordance with the latest explosion protection guidelines ATEX 2014/34/EC, category 2. The pneumatic motor is explosion-protected to Ex 2 GD c IIC T6 (80 °C) X and has a type-certificate IBEX U05 ATEX B007 X. JP-AIR 3 provides among other air operated motors and the electric motors JP-400, JP-440, JP-460, JP-480 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 ATEX 2014/34/EC are required and a potential equalization has to be installed.
- This handy and powerful device (1,9 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 residual emptying function and the eccentric screw pump tubes of series JP-700 SR PTFE ATEX. In combination with ATEX certified pump tubes the drive is suitable for many low-viscous, neutral, lightly aggressive media and

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 motor is characterized in addition to its robustness by its elegant design and ease of use. The non-stationarily and stationarily 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 Stainless steel 316Ti motor housing ensures a good chemical resistance when aggressive solvent vapours are present.
- The air operated motor is supplied with two silencers 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 3 at 1,5, the maximum viscosity 600 mPas.



JP-AIR3, JP-SS 41-1.000, test media water 20 °C, pressure pipe 1", oval gear meter, measured values: ± 5%

## Air operated motor JP-AIR 3

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

## Operating data JP-AIR 3

**Flow rate** (with hose and oval gear meter): up to 91 l/min (Rotor)\*  
up to 71 l/min (Impeller)\*

**Head:** up to 13 m (Rotor)\*  
up to 25 m (Impeller)\*

**Viscosity:** up to 600 mPas\*

**Density:** up to 1,5\*

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

\* All specified values are real measured maximum values.  
Test media water 20 °C, pressure pipe 1", oval gear meter 1", measured values: ± 5%

All motors can be combined outside hazardous areas with all pump tubes over the hand wheel. Suitable pump tubes can be found on pages 40 to 45.



## JP-AIR 3

### Performance

400 W

400 Watt at max. 6 bar  
operating pressure

Air consumption under load 12 l/sec.

### Order No.

3003 0400