

## Pneumatic driven motors for our drum pumps

The JESSBERGER compressed air motors are lightweight, powerful devices for almost all thin and lightly viscous liquid. The clear construction of the drum pump guarantees a rational and safe use. Several pump tubes for different media are easily interchangeable and can be operated with the same air motor. The portable and for stationary use designed air driven drum pump motors are particularly suitable for intermittent, short-term operation times. Outside ex areas our motors can be combined with the pump tubes of our competitors. Please ask us for details and convince yourself by our expert advice and the optimal price performance ratio of our products. The drum pumps with compressed air motors and conductive Stainless Steel pump tubes guarantee absolute safety when pumping or transferring flammable media of different hazard classes or during use in hazardous environments. For pumping flammable media or use in hazardous areas the air-operated motors as well as the pump tubes made of conductive Stainless Steel need to have an ATEX approval for pumping flammable liquids. Further more it is absolutely necessary to set a potential equalization when pumping flammables. For this purpose you can use our bonding ground set consisting of 4 copper cables with clamps.

## Our air driven drum pump motors

### Compressed air motor JP-AIR 1, ATEX

300 Watt at max. 6 bar operating pressure  
Air motor with silencer and ball valve at the air inlet for air control. Thereby the speed of the motor can be regulated and flow rate can be adjusted to the customers needs.

#### Type Examination Certificate Number IBEX U05 ATEX B007 X

Flow rate: 90 l / min \*  
Head: 7 m (rotor), 16 m (impeller) \*  
Medium temperature: according to Ex-Approval  
Viscosity: 400 mPas, density: 1.3 \*

#### Technical data of the JP-AIR 1

Air inlet: 3/8", Power: 400 Watt  
Speed: 10.000 rpm  
Air consumption under load: 10 l/sec.  
Weight: 1.4 kg

### Compressed air motor JP-AIR 2 blue, no ATEX

700 Watt at max. 6 bar operating pressure  
Motor with start button on the motor handle.  
After this button is pressed the motor starts and the pump tube is transferring medium.

#### Cause of a further development this motor was not applied to ATEX approval.

Capacity: 100 l / min \*  
Head: 8 m (rotor), 20 m (impeller) \*  
Medium temperature: depending on the pump tube  
Viscosity: 600 mPas, density: 1.5 \*

#### Technical data of the JP-AIR 2 blue

Air inlet: 1/4", Power: 700 Watt  
Speed: 13.000 rpm  
Air consumption under load: 14 l/sec.  
Weight: 1.6 kg

### Compressed air motor JP-AIR 2 silver, ATEX

600 Watt at max. 6 bar operating pressure  
Motor with start button on the motor handle.  
After this button is pressed the motor starts and the pump tube is transferring medium.

#### Type Examination Certificate Number IBEX U07 ATEX B014 X

Capacity: 100 l / min \*  
Head: 8 m (rotor), 15 m (impeller) \*  
Medium temperature: according to Ex-Approval  
Viscosity: 600 mPas, density: 1.5 \*

#### Technical data of the JP-AIR 2 silver

Air inlet: 1/4", Power 600 Watt  
Speed: 14.600 rpm  
Air consumption under load: 15.7 l/sec.  
Weight: 1.4 kg

### Compressed air motor JP-AIR 3, ATEX

400 Watt at max. 6 bar operating pressure  
Motor with Stainless Steel housing and ball valve at air inlet for compressed air control.





Head: 10 m (motor), 27 m (impeller) \*  
Medium temperature: according to Ex-Approval  
Viscosity: 600 mPas, density: 1.5 \*

**Technical data of the JP-AIR 3**

Air inlet: 1/4", Power 400 Watt  
Speed: 17.000 rpm  
Air consumption under load: 12 l / sec.  
Weight: 1.9 kg

\* All values are maximum values.  
The flow rate the pump refers to water at 18 ° C and was measured at free outlet (without hose barb).

Company

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References

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