

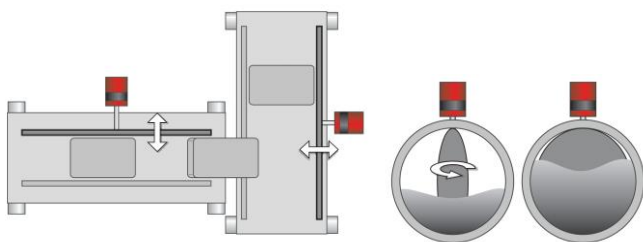
Pneumatic Stepper Motor BPS



Wherever high precision is required under difficult working conditions, the pneumatic stepper motor BPS from Baumgartner is the right choice. It is also available in protection class IP67. This version can be used in ATEX zones!

Typical applications

Separating and merging parts, proportional remote adjustment of valves, fittings for flaps and taps, positioning of worktables in X- and Y-direction, adjustment of bump stops and guide rails, for fine dosing of bulk material with spiral conveyors and many other applications are possible.



Specifications

- Compact and powerful
- Precise rotation in steps of 3°
- Available in over 70 combinations
- Motor type IP67 can be used in Ex zones
- Very robust design
- Position is held even in case of energy failure

For extreme working conditions

The Baumgartner BPS shows its potential in dust, dirt or strong magnetic fields. The pneumatic control allows a problem-free operation even under the most difficult working conditions.

Precision

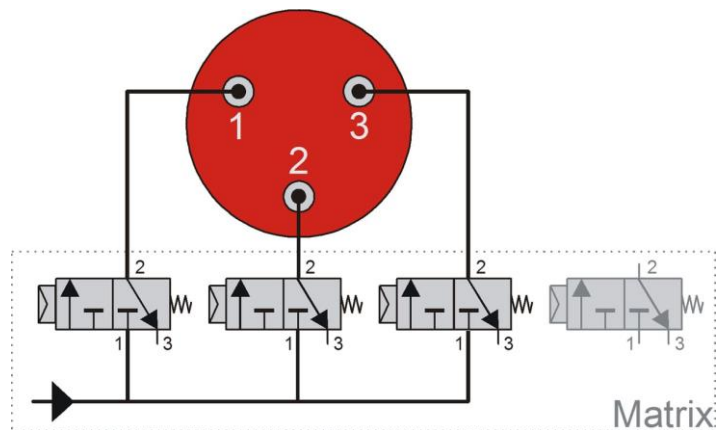
Thanks to its innovative design, the BPS stands for maximum precision. The tolerance is a constant ± 9 angular minutes, independent of the number of steps!

Sensor unit

Optionally, the BPS stepper motors are fitted with inductive sensors for monitoring the three pistons. In the middle size, the BPS stepper motor is also available with an encoder; this directly monitors the feedback of the steps on the rotary spindle.

Trouble-free control

The BPS gets moving with just 3 pieces of 3/2-way valves. The three control valves are activated one after the other, whereby a precise step of 3° is achieved with each switching operation. If each of the valves has switched once, a rotation of 9° has been achieved. The direction of rotation can be changed by simply reversing connections 1 and 2.



Small, powerful with self-locking mechanism

The smallest type of BPS stepper motors already impresses with a torque of 3.3 Nm at a control pressure of 6bar.



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