

High-pressure pneumatics: stretch blow moulding of PET bottles



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Highlights

- Precise control
- Reliable processes thanks to the right compressed air preparation

Project idea

Efficient systems for producing high-quality bottles and rapid adjustment to different sizes and shapes

Requirements

- Stable process with high repetition accuracy
- Performance (e.g. flow, pressure loss)
- Energy efficiency (e.g. air recovery)
- Safety (e.g. safe venting, diagnostics)
- Integration capability
- High availability and service life

Solution

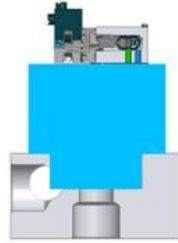
- Service units match machine capacity
- Valves and valve blocks for precise switching

High-pressure pneumatics: products and solutions



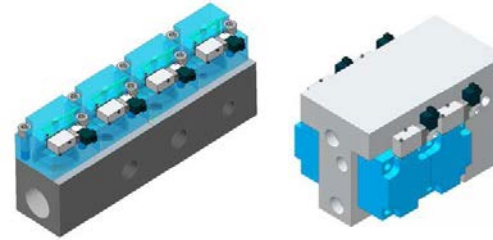
High-pressure service units

- High flow with minimum pressure loss
- High control quality and dynamics
- Modular design, can be dismantled individually
- Reliable switch-off, 2-channel with position sensing)
- Switch-on (LOTO – lock-out/tag-out through additional lock)
- Diagnostics options



Single valve 2/2 way

- Simple interface for optimal integration
- High venting capacity
- Flow-optimised
- Optimised for minimal dead space



Valve manifolds

4-way

- Variety of connection options
- High venting capacity
- Air Recovery
- Easy to service

4-way integrated

- High venting capacity
- Optimised for minimal dead space
- Air Recovery
- Easy to service

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