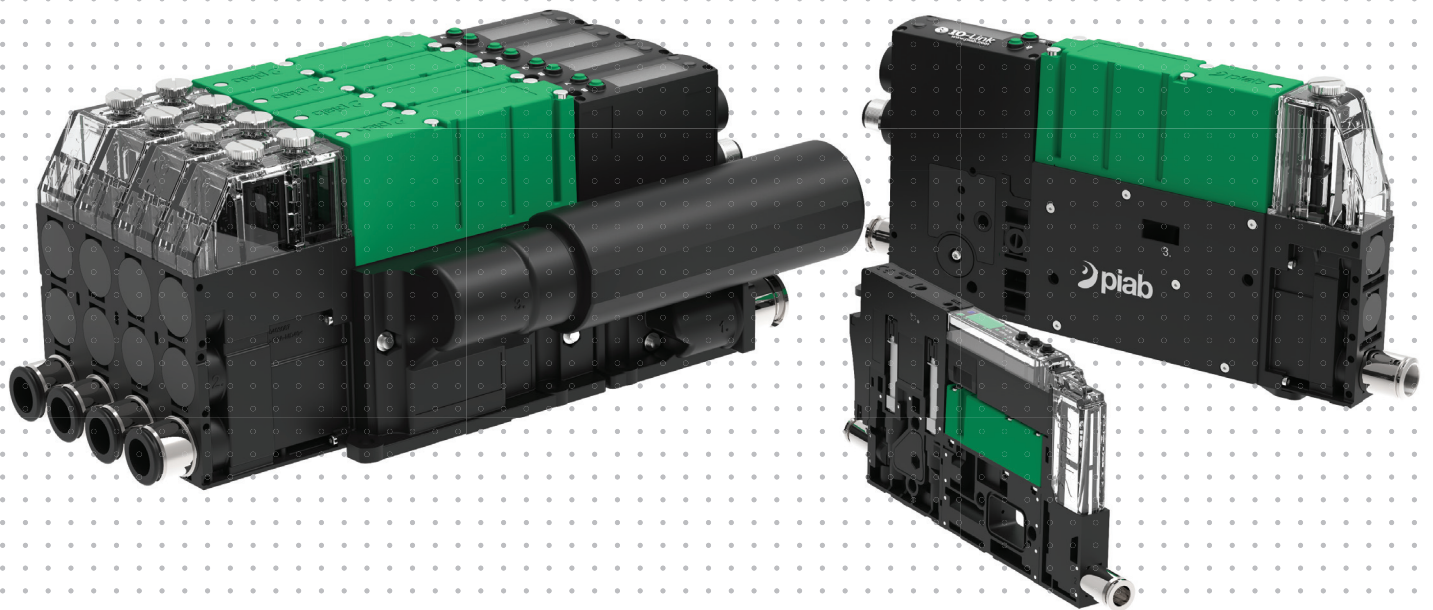


Innovative vacuum generators with fully integrated controls for smart manufacturing

piCOMPACT® SMART



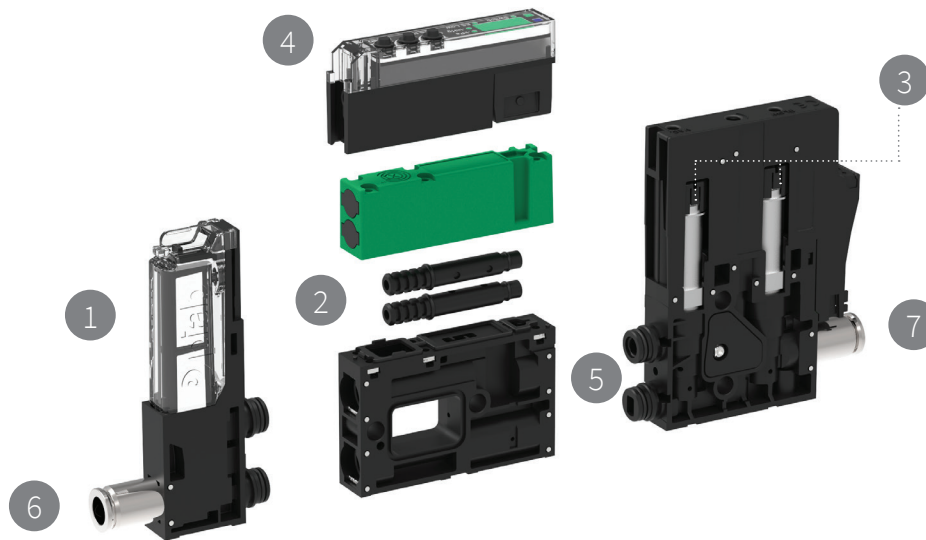
Smart solutions for the automated world™



Why piCOMPACT[®] is the best choice for you

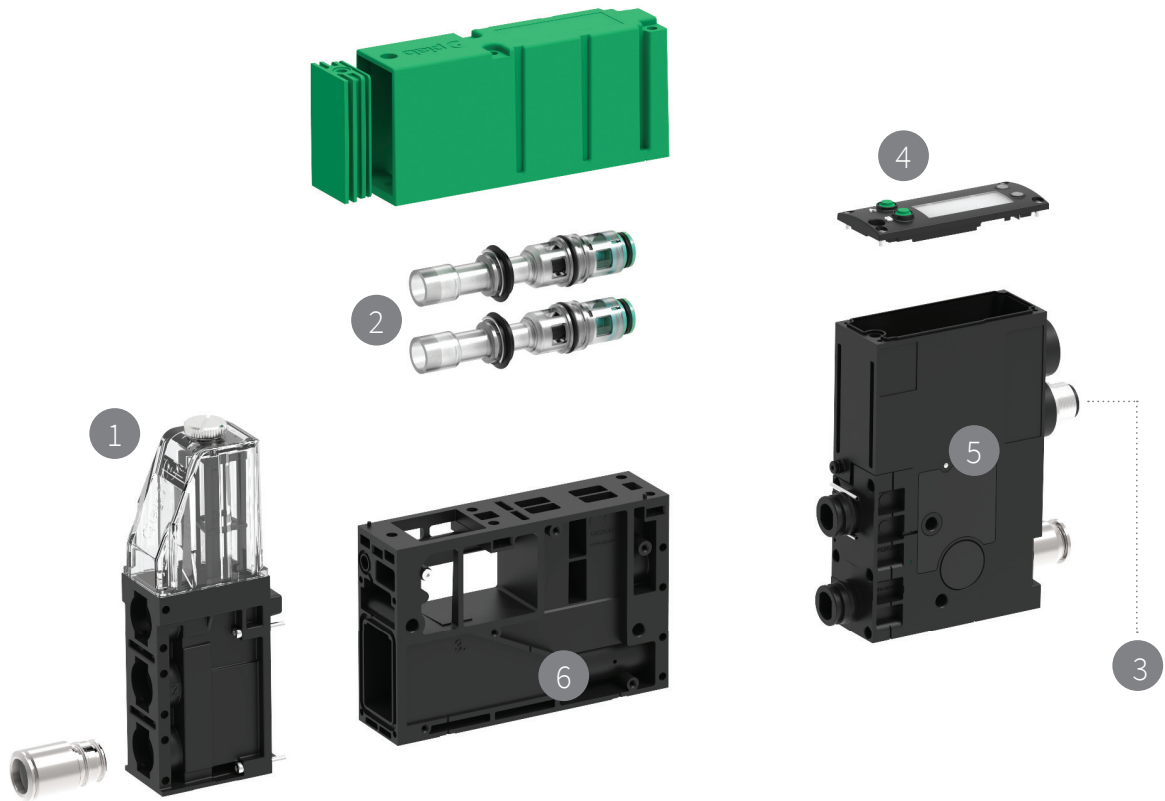
piCOMPACT[®]'s are vacuum ejectors with integrated control functions for on/off, blow, vacuum sensing and diagnostics.

piCOMPACT[®] 10X



- 1 No pressure drop or reduced speed guaranteed due to an extra large cleanable filter area.
- 2 1-2 COAX[®] MICRO cartridges allow for supply pressure drops or pressure fluctuations without jeopardizing vacuum performance.
- 3 Short cycle times and high reliability is provided through ultra high speed direct operating valves for vacuum on/off and releasing objects.
- 4 User friendly vacuum switch.
- 5 Shorter cycle time with a unique lightweight split unit feature where pumps and valves are separated. (Optional)
- 6 The only 10 mm wide compact ejector with a large 6 mm vacuum connection for maximum performance.
- 7 The only 10 mm wide compact ejector with simple M8-6pin connector.

piCOMPACT®23 SMART



1 Vacuum connector module with optional, easily cleanable, vacuum filter. Up to 3 vacuum ports.

2 Ejector module with 1–2 COAX® SX cartridges.

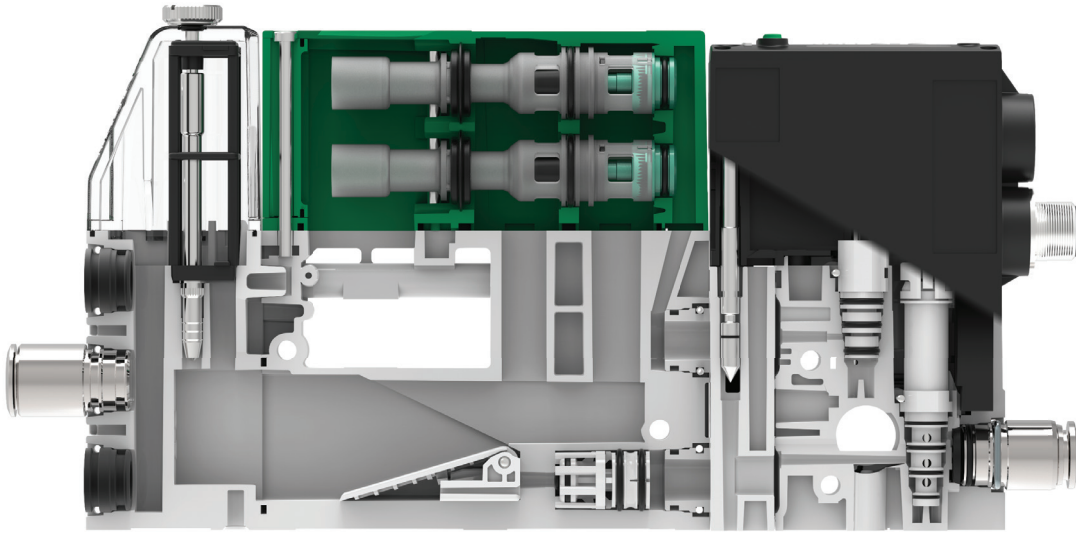
3 Control module with several valve options for supply and release. Integrated blow-flow control valve. Industry standard M12 connector. Standard IO's or IO-Link for communication. Sensor data to cope with Industry 4.0.

4 User interface with OLED display including gyro function and warning keypad for easy setting/parametrization and also optical indicators for valves and vacuum system status.

5 Optional Bi-stable (latching) on/off valve, provides security in case for emergency stop. The valve remains in the last position.

6 Patented amplified blow-off (ABO) provides reduced cycle times in large systems.

Features and benefits



High Reliability ensures trouble-free production

- Dust proof ejector cartridges and flap valves.
- A-PWM (adaptive pulse width modulation) technology for valves with compensation for voltage fluctuation to reduce heat generation and enhance life.
- Valve protection (Automatic Condition Monitoring, ACM, function).
- Integrated and easy to clean filters.
- Power Booster circuit will reliably operate the solenoid valves under temporary “low-supply-voltage” conditions.
- Low voltage Power supply warning reported on the display or via IO-Link.
- The IO-Link version of piCOMPACT®23 SMART provides several sensor and smart data to support predictive maintenance.

Impressive performance with minimal energy consumption

- Superior ejector technology gives significant more vacuum flow and faster response time with less air-consumption (30–50%) in comparison with other brands. Suction cups will secure a better grip, giving possibility to handle products faster and safer.
- Extremely fast switching valves further contributes to shorten cycles times.
- Integrated automatic air/energy-saving function (ES) with adjustable hysteresis that will further reduce energy usage (up to 90–95%). Activate and optionally sets itself automatically (Automatic Level Determination, ALD, function).
- Ejector and control section can be ordered as a split to get to position the lightweight ejector close to point of suction even faster response times.

Ultimate flexibility thanks to endless configuration possibilities

- Design your own tailor made vacuum generator as piCOMPACT® is built to order.
- Pay only for needed performance and features.
- Re-configure piCOMPACT®23 SMART, both standard and IO-Link, to perfectly fit the application and programming needs. Standard version is re-configurable on an easy-to-use display menu.



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