

# Oil-free reciprocating piston compressors, up to 40 bar (580 psig), 37-275 kW / 50-368 hp

## P

Atlas Copco's P oil-free reciprocating compressors are a reference in the market for reliability and low cost of ownership. They deliver high-purity oil-free air for discharge pressures between 25 and 40 bar. Sturdy and designed for continuous industrial operation, P compressors deliver air safely, constantly and at low cost. Up to 160 kW, P compressors come as very compact 3-stage machines. Above 160 kW, with the addition of an oil free screw unit in the first stage, they come as 4-stage machines. This innovative approach results in unrivalled benefits, maximizing Capacity FAD in compact plug & play units.

### CUSTOMER BENEFITS

- **100% oil-free** – Thanks to PTFE piston rings and long-distance pieces, the compression chambers are perfectly oil-free.
- **Maximum energy savings** – Reciprocating technology ensures excellent volumetric efficiency and economic operation in terms of energy. In addition, with the Elektronikon® controller you can

adjust the required discharge pressure between 25 bar (362 psig) and 40 bar (580 psig) to reduce energy costs.

- **Advanced control and monitoring** – The advanced Elektronikon® system helps you keep control of costs by monitoring overall system performance through service indications, malfunction alarms and safety shutdowns.
- **High reliability** – Low piston speed and low inter-stage temperatures preserve the internal components. The horizontal design ensures low vibration/pulsation levels for increased reliability. Design is close to API 618.
- **Low maintenance** – The horizontal design is safe and comfortable for operators and maintenance personnel. Long service intervals reduce maintenance time and cost.
- **Easy installation** – Each P compressor is delivered as a complete package with no reassembly on site. Installation is fast, straightforward and safe. P compressors are fitted on a skid and can be installed on a suitable industrial floor with chemical bolts. This eliminates skid vibrations and preserves the motor and mechanical parts.

