



ELEC CAB multi-vacuum pump controllers

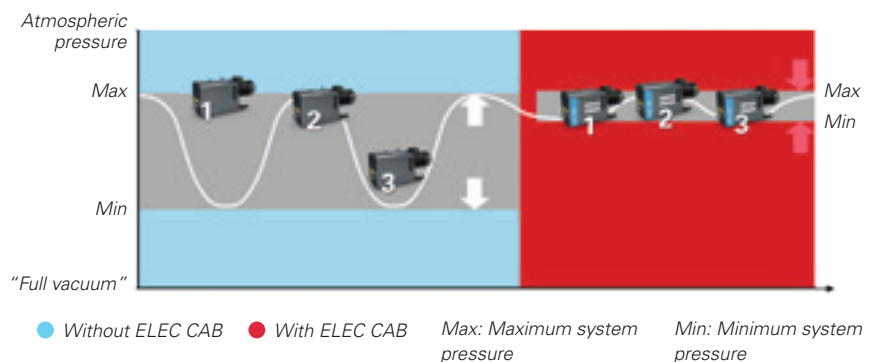
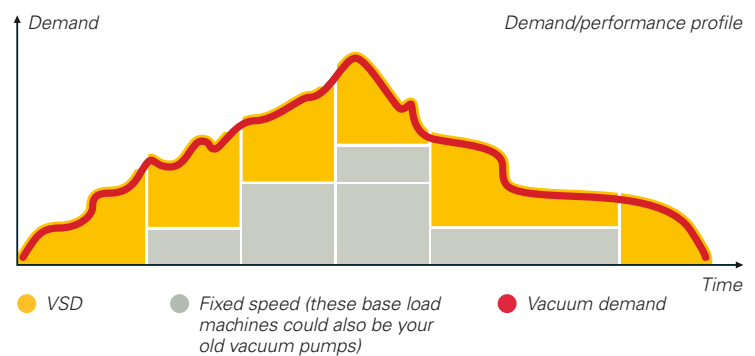
Atlas Copco

The SMART solution for your central vacuum system management

Atlas Copco's ELEC CAB multi-vacuum pump controllers allow you to start/stop and control multiple vacuum pumps simultaneously according to set working pressures. With a built-in PLC remote monitoring of this mini-system is very easy. The ELEC CAB is available in two wall-mounted models for the control of up to 2 or 4 pumps with the same motor size. One pump is run as a Variable Speed Drive (VSD) to take the lead while the other pumps cater the base load as fixed speed pumps. The ELEC CAB comes with a built-in frequency inverter and pumps with motors of >7.5 kW will be started with a soft-starter.

Save energy & cut costs

Thanks to smart algorithms, the ELEC CAB delivers an optimal blend of product performance. It does this by measuring the working pressure and ensuring the collective pumps work together and deliver proportionately. The lead pump (VSD) can react quickly to demand changes and keep the system pressure stable, maximizing energy savings. The ELEC CAB multi-pump controller allows you to run your vacuum system within a narrow, predefined pressure band. This increases the stability of the process and optimizes overall energy consumption and maintenance requirements.



Reduce maintenance

When combining the ELEC CAB multi-pump controller with several vacuum pumps, the role of lead VSD pump can be distributed evenly, spreading the running hours of each fixed speed pump into equal measures. This reduces both maintenance time and costs while increasing effective lifetimes.



Elektronikon® monitoring system

Elektronikon® is a state-of-the-art monitoring system for your vacuum pumps. It is simple yet comprehensive and leads to energy savings. It can also integrate your plant management system thanks to a remote monitoring option.

Easy to use

- 3.5-inch high-definition color display with clear pictograms, 32 language settings.
- Additional LED indicator for service.
- Graphical display of key parameters (day, week, month).
- Elektronikon® installed on different vacuum pumps can be monitored in cascade.

Comprehensive

- Monitoring: status, running/stopped hours, programmable timers, set point control and other settings.
- Safety: Elektronikon® provides warning, fault and shutdown indications.
- Service: service operations, remote control (optional).

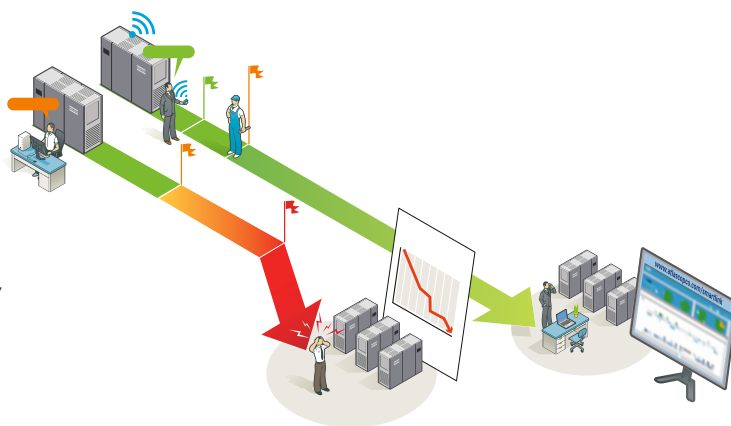


SMARTLINK: more than just a watchful eye

SMARTLINK is an optional solution for data monitoring: easy to install and customizable. It brings system relevant data to your smartphone, tablet and PC. Whenever and wherever you have access to the internet, you obtain the information you need to respond quickly to changing circumstances. Service calls can be efficiently planned and production losses minimized.

Features (Internet connection required)

- Web portal: event overview of the last 30 days, access to service data and monthly status report by email.
- Logging and download service data for the last 30 days (Excel, Word, PDF).
- Notification of machine-related service requirements (service, spare parts) directly via web portal.
- SMS/email notification (service, failures and warnings).
- Online trend analysis: status display – graphs and data.



Overview of ELEC CAB range

	ELEC CAB 2 pump controller	ELEC CAB 4 pump controller
Inverter drive	1	1
Number of pumps with VSD control	1	1
Up to ... number of pumps as base load (fixed speed)	1	3
Single pressure point of measurement	✓	✓
Remote pressure sensor	✓	✓
Priority management	✓	✓
Soft-starter	Above 7.5 kW	Above 7.5 kW
Running hours equalization	✓	✓
Remote monitoring by SMARTLINK	Optional	Optional

Available size options: 2.2 kW single phase, 7.5 kW 3-phase, 15 kW 3-phase, 22 kW 3-phase.
 Available voltages: 200-230 V, 380-460 V, 500-575 V.
 Approvals: CE IEC/UL/c UL



Atlas Copco