

Atlas Copco

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EQUALIZER 4.0 PRO



Compressor Room Controller

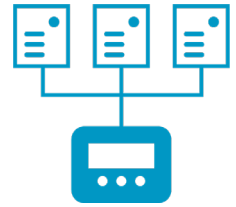
Atlas Copco Optimization

Equalizer 4.0 PRO:
connect, control and improve your compressed air supply.

The Equalizer 4.0 PRO is a central controller that actively manages your compressors, reduces your energy consumption and optimizes your maintenance needs. The touchscreen display, with its high-end visualization, provides you all the relevant data and Key Performance Indicators.

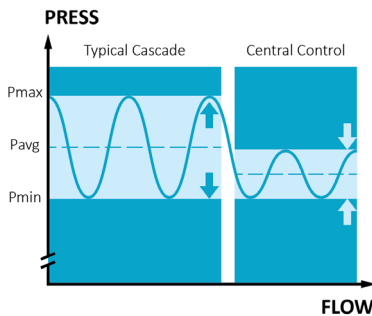
Compressor Room Controller

Atlas Copco Optimization



Characteristics

- Control of compressors, based on pre-defined machines' priority and rules
- Reduced energy cost and minimized maintenance intervals
- Up to eight compressors can be connected within a common air net
- It controls both fixed speed and frequency converter driven compressors (VSD)
- All operating parameters are visualized on the 12.1" touch screen display
- Advanced connectivity options: LAN, cloud, Industrial protocols (SCADA)



Equalizer 4.0 PRO

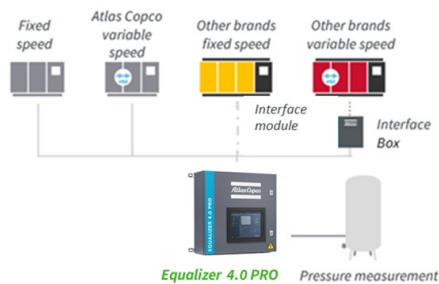
Feature	Benefit
Equalization of running hours	Equal wear allows maintenance on multiple machines during a single visit, improving machines' reliability and extending their lifetime
Sequence selection	Efficient use of machines under all conditions, based on pre-set priorities and customized rules
Timer controlled pressure bands	Automatically, one pressure can be used during certain periods (e.g. production), and other pressures during other periods (e.g. weekend)
Reduced pressure band	Reduced pressure band means reduced energy consumption: on average, 7% of energy is saved per each bar of pressure reduction
Energy efficiency	Increased energy efficiency, thanks to reduced average pressure (no cascading) and efficient control of VSD units
Automatic shutdown and start	Shutting the system down during non-production hours can save more than 20% of energy, usually lost via air leaks
Data Monitoring&Trending	Thanks to its high-end touchscreen, all machines and compressed air system data is easily monitored and trended
Connectivity	Local and remote monitoring allows to keep equipment and air net under control, and to plan improvement actions

Main Installation Requirements

- Atlas Copco machines must have Elektronikon® regulator of the 4th or more recent generation
- Serial connection of equipment via CAN network
- Single point of air net pressure measurement via two pressure sensors
- Integration and control of non-Atlas Copco compressors possible

General	
Description	Compressed air net central controller
Type	Wall-mounted
Models	Up to 4 compressors / Up to 8 compressors (fixed-speed and VSD)
Controller capacity	
Maximum numbers of connected machines (fixed speed and/or VSD)	4/8
Number of compressed air nets	1
Setpoint control	Pressure
Other brands Fixed Speed and VSD	Optional
Connectivity	
REMOTEVIEW (basic monitoring via display and LAN)	Included
SMARTVIEW (monitoring via display and LAN, including Energy&Usage data)	Optional
Modbus RTU / Profibus DP	Optional
Modbus TCP/IP / Ethernet IP	Optional
Hardware	
Display	12.1" – Capacitive touch
Pressure sensors	2 (remote)
Digital inputs / outputs	4
Analogue inputs	8
Power supply	110-240 VAC, 50/60 Hz
Certifications	CE, cULus, (UKCA by end 2022)
Cubicle protection	IP54
Dimensions depth x width x height (mm)	210 x 600 x 600

Example of compressor room with AC and other brands



SMARTVIEW connectivity (optional)