Atlas Copco Air Optimization
Compressor Room Controller

ES 6 in control

The ES 6 is a stand-alone central control system that regulates the net pressure within programmable limits by starting and stopping, loading and unloading (in case of fixed speed compressors) or controlling the speed (in case of VSD compressors) of the connected compressors according to programmed algorithms.

- two up to six compressors - within a common air net - can be connected
- controls both fixed speed compressors as well as frequency converter driven compressors (VSD)
- fixed speed Atlas Copco compressors may have any Elektronikon® regulator or may be pressure switch controlled
- VSD compressors must have Elektronikon® regulator of the 4th or 5th generation
- competitor VSD compressor can be started and stopped by the ES 6 via digital contacts
- the status of each connected compressor can be checked on the graphical color display
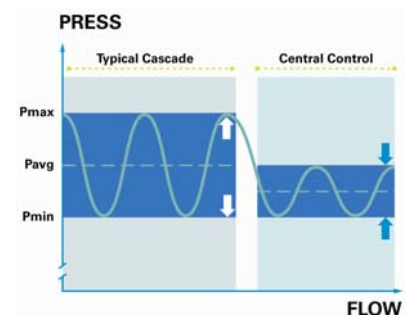- all operating parameters are accessible through the menu

ES 6 central controller
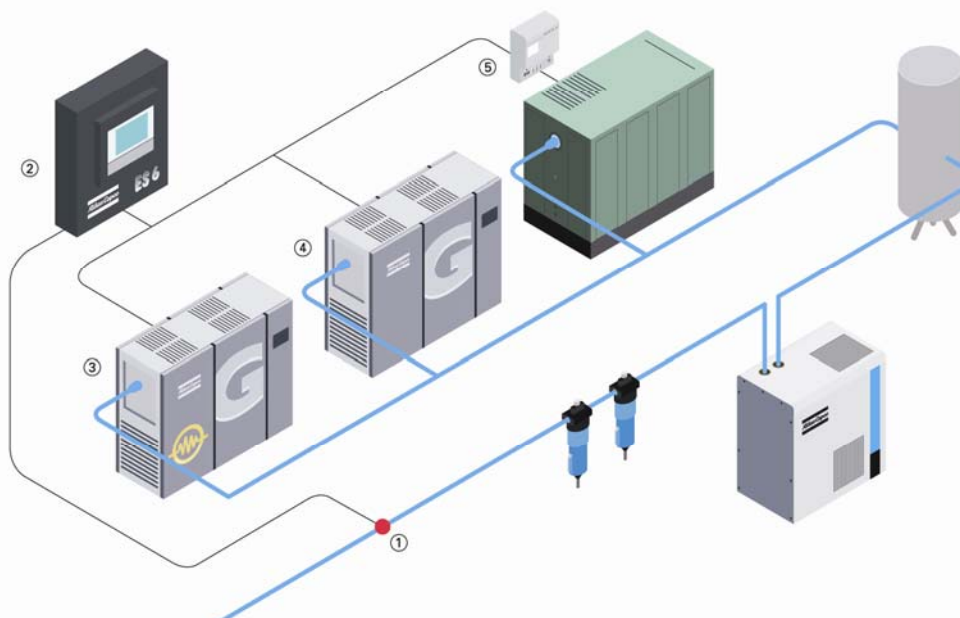

Graphic Plus controller (MK5)

Features	Benefits
Equalize running hours across selected machines	Equal wear on machines allows maintenance intervals during single visit
Sequence selection	Optimize use of machines under all conditions
Multiple pressure set point	Reduced energy consumption under all running conditions
Reduced pressure band	Increased stability of the process and optimized energy consumption

Pressure Band

Atlas Copco

Atlas Copco Air Optimization

Compressor Room Controller

General	
Description	Central air net controller
Type	Wall-mounted

Controller capacity	
Maximum numbers of connected machines	6
• Load/Unload - Atlas Copco VSD	6
• Competitor VSD	1

Connectivity	
Maximum number of machines via CAN	6
Maximum number of machines via Digital in/outputs	6
Remote commands (fieldbus)	Modbus, Profibus, Ethernet
Event history	Data logging of the last shutdown

Hardware	
Display	5,7" graphic color display
Pressure sensing	1 (Remote)
Cubicle protection	IP54
Dimensions depth x width x height (mm)	210 x 400 x 400

(1) AirNet Pressure Sensing   (2) Central Sequence Controller ES6
(3) Atlas Copco VSD   (4) Atlas Copco Load / Unload   (5) Competitor Unit

Atlas Copco

www.atlascopco.com