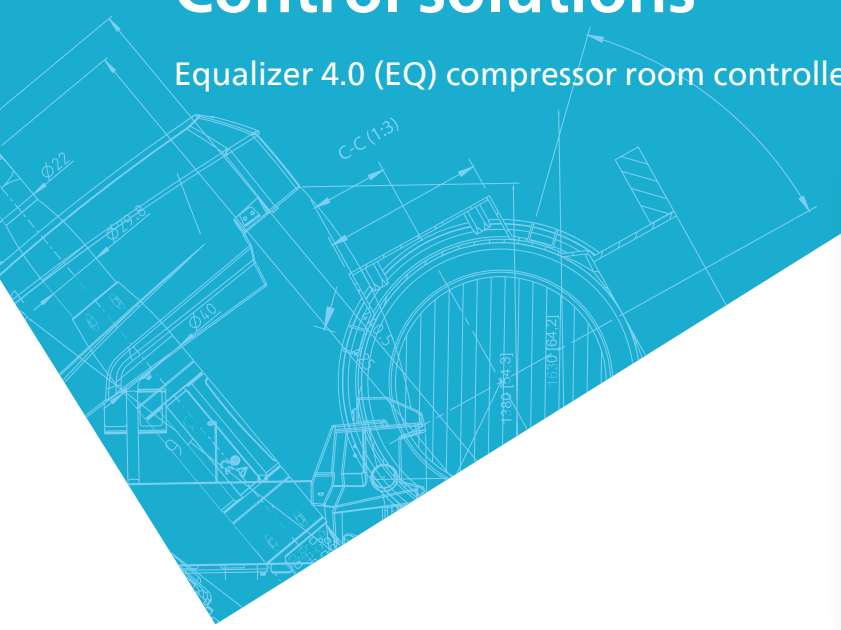


# Control solutions

Equalizer 4.0 (EQ) compressor room controller



- Control
- Connect
- Analyze
- Optimize
- Protect

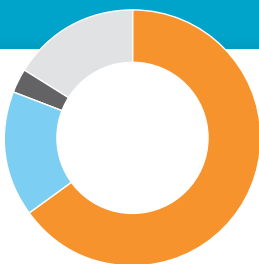
## Optimize your air system performance

If your production relies on multiple compressors, actively managing them in one air network saves energy, reduces maintenance, and decreases downtime. Atlas Copco's Equalizer 4.0 (EQ) controller does the work for you. Easy to install and program, the EQ monitors and manages up to six compressors and dryers. The controller ensures that your entire system and your individual pieces of air equipment perform optimally.

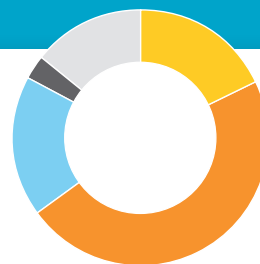
## Customer benefits

Energy can make up 70% of a compressor's lifecycle cost. Atlas Copco's Equalizer 4.0 controller minimizes your energy expenses in three important ways:

- 1. Minimal unload time**  
The EQ reduces the inefficient time your machines are running without generating compressed air.
- 2. Reduce pressure band**  
Every one bar reduction equals about 7% energy savings. The EQ creates a narrow, predefined pressure band.
- 3. Optimal system performance**  
Program all your compressors to have equal running hours to reduce service intervals.



Standard compressors without EQ control



EQ controlled compressors

● Investment    ● Maintenance  
● Installation    ● Energy consumption

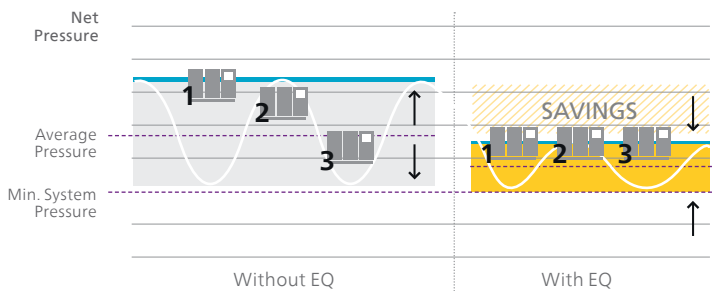
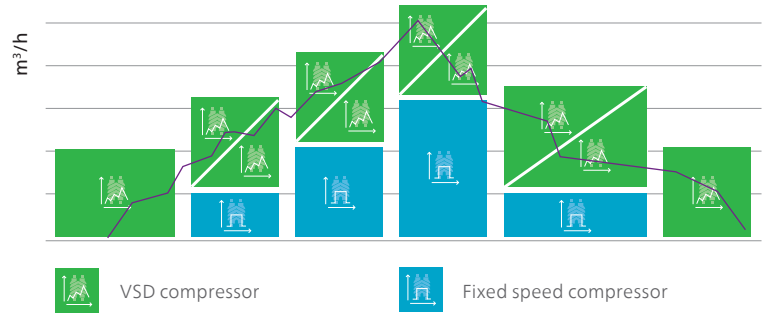
● Investment    ● Maintenance    ● EQ central control system energy savings  
● Installation    ● Energy consumption

# Equalizer 4.0 (EQ) central control system

## 3 main benefits

### 1. Minimal Unload Time

The EQ can operate your compressors to match the differing workload demands of different time periods. For example, it can create two pressure bands to make your system run at 7 bar during the day and at 4 bar during the quieter night. A system that adapts to fluctuating demand eliminates energy waste.



Every 1 bar pressure reduction in a 7-8 bar(e) system reduces energy consumption by 7%.

### 2. Reduce Pressure Band

Without a central controller, a compressed air installation has to work in a pressure cascade within a large pressure band. The EQ keeps your network running within a narrow, predefined pressure band. This increases the stability of your process and optimizes overall energy consumption.

### 3. Optimal System Performance

If your installation consists of machines of the same type and age, the EQ sequence control ensures they have the same running hours. This reduces maintenance costs as all compressors can be serviced at the same time.

You can also use the EQ to program your system to favor its newer, more efficient compressors over older, less effective models.



### Maximum Connectivity for Industry 4.0 (optional)

Having a complete overview of your compressed air system will help you meet your performance, efficiency and environmental goals. The Equalizer 4.0 gives you equipment performance reports, service warnings, and energy efficiency data. These valuable insights can be visualized and stored locally with full data privacy. You can also share this information with Atlas Copco, which allows us to intervene proactively and to advise you on how to optimize your compressed air system.



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