

## EWD

### ATLAS COPCO QUALITY AIR SOLUTIONS

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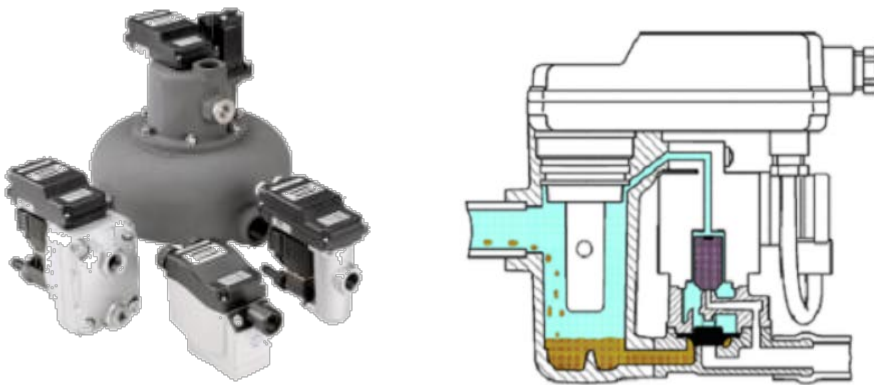
#### General Description

Atlas Copco's range of EWD electronically controlled condensate drains is synonymous with safe, dependable and economical condensate management.

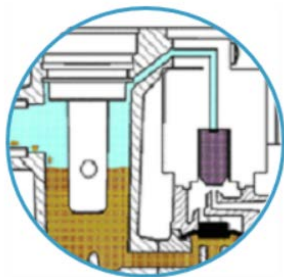
The intelligent drain function monitors condensate build-up with liquid level sensors and evacuates the condensate only when necessary, thereby avoiding compressed air waste and providing for considerable energy savings.

The EWD drain device offers security and confidence, enabling you to solve all condensate discharge problems even in heavily contaminated systems.

A wide range of EWD drains is available for oil-contaminated condensate and may be provided with additional hard coating for use with oil-free and aggressive condensate.



#### Working Principle



Condensate enters the drain and collects in sump. The diaphragm valve is closed due to the solenoid valve allowing pressure compensation through the pilot supply line. The pressurised space above the diaphragm is larger than that below it, ensuring an absolutely leak proof seal. As the condensate drains away, the level probe monitors the speed at which the level drops, calculating exactly when to shut the diaphragm, so that no air escapes. If there should be a blockage on the outlet or faulty diaphragm, the drain switches to "fault mode". Both the flashing alarm light and the volt free contact are activated. The drain switches to a "timer mode" until the situation is solved.

### **Scope of Supply**

- Led Display
- Alarm
- Electronics component
- Flexible pipe inlet
- Non wearing capacitive sensor
- IP 64 Nema 13 protection

### **Features & Benefits**

#### **Energy Savings**

- Energy efficient
  - Absolutely no waste of compressed air

#### **Reliable operation**

- Proven durable design
  - No moving parts
  - Wide drain way passage

#### **Easy set-up and use**

- Operational ease
  - LED display and alarms work together to make daily operations as hands off as possible
  - Electronic control ensures reliable performance
  - Plug and play set up