

## Adsorption dryer - i.DC series

RELIABLE. INTELLIGENT. EFFICIENT.

KAESER Kompressoren SE presents a new cold-regenerated adsorption dryer for **compressor delivery rates from 1.6 to 155.5 m<sup>3</sup>/min.**

Adsorption dryers from KAESER Kompressoren achieve pressure dew points down to -70 °C. Protect your control valves and overhead lines reliably against frost and dry compressed air at minimal cost - thanks to high-quality compressed air filters and **efficient energy-saving controls as standard.** The desiccant aluminium oxide ensures **particularly high operational reliability.**

Cold-regenerating adsorption dryers are perfect for small compressed air requirements and from 12.0 m<sup>3</sup>/min as reliable redundancy systems.

### The features of the new i.DC series at a glance

- New network-compatible control system as standard **ECO CONTROL 3**
- **Touch display** with a diagonal of 7 inches (approx. 18 cm)
- Modern and comprehensive **system monitoring**
- Extensive reporting system with **history memory** (operating, fault and maintenance messenger)
- Graphical, time-based **display of process parameters**
- **P&I diagram** on the display
- Display of **real-time data**
- Standard **Modbus TCP interface** (Ethernet)

The basic version of the control is no longer available. The previous ECO-CONTROL 2 and ECO CONTROL BASIC remain available as spare parts. Conversion kits are currently not available.



Adsorption dryer type i.DC  
Picture source: KAESER Kompressoren SE

# Adsorption dryer series i.DC

## ECO CONTROL 3

### RELIABLE DRYING

The optimized i.DC series has the new ECO CONTROL 3 control system at its heart. Clearly structured menu navigation and a 7" touch display allow optimum control of the entire drying process. To connect higher-level controls or integrate them into the KAESER SIGMA NETWORK, a Modbus TCP (Ethernet) interface is used.



### EFFICIENT THANKS TO DEW POINT CONTROL

Even the basic version of the i.DC series comes with the robust and maintenance-free trend-sensing dew point control. Here, there is a not inconsiderable potential for energy savings in the partial load range. Optionally, a high-quality pressure dew point available for display, forwarding and also as a control variable - as an alternative to trend detection.

**Important:** Even if the sensor does not provide a signal, e.g. due to calibration, load-dependent control is still possible.

### INTELLIGENT CONTROL

An essential factor is the modern and comprehensive system monitoring. This includes the comprehensive reporting system with history memory, a detailed maintenance management, the graphical display of the time history of all temperatures and the pressure dew point (optional) as well as a P&I diagram with integrated real-time data.

### At a glance

- Nominal flow rates from 1.6 to 155.5 m<sup>3</sup>/min
- Partial significant increase in throughput due to flow optimization
- Same purge air percentage with energy consumption
- Same pressure dew point (same performance)
- Unchanged maintenance intervals
- Reduced disposal costs thanks to optimized filling quantity
- Increased sustainability and conservation of resources
- Use of the latest KAESER filters



Adsorption dryers type i.DC  
Picture source: KAESER Kompressoren SE

### Your Contact

FILCOM GmbH  
Schönbuchstr. 1  
D-73760 Ostfildern

Phone: +49 (0) 711-4413322-0  
Fax: +49 (0) 711-4413322-22  
Mail: info@filcom.de

www.filcom.de

**FILCOM**<sup>®</sup>  
DRUCKLUFT