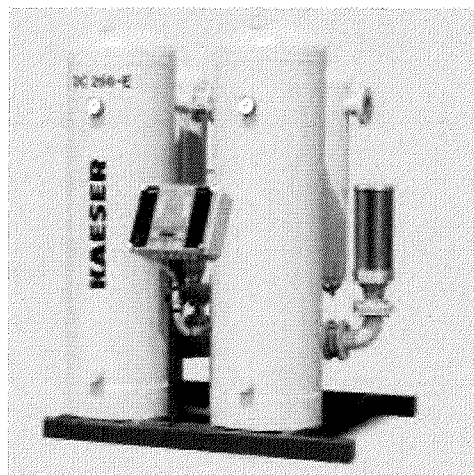


# KAESER DESICCANT DRYER

## DC323 DESICCANT AIR DRYER

### SPEC SUMMARY

Model	DC323
Operating Pressure Range	4 - 10 bar
Flow Rate at -40 and -70 deg.C PDP	32.3m <sup>3</sup> /min – 1141cfm
Pressure Loss	0.3 bar
Ambient Temperature	+2 to +45 deg. C
Compressed Air Inlet Temperature	+2 to +50 deg. C
Controller	ECO Control Basic
Electrical	240VAC/ 50-60HZ
Dimensions (W x D x H)	1500 x 1520 x 2105mm
Weight	1705kg
Air Connection	DN80
Desiccant Volume	470L
Desiccant Tanks	2
Pre & Post Filters	Included
Condensate Drain	Float Controlled



Ready for operation, heatless regenerated

## **KAESER Desiccant Dryer Model DC 323**

with CE Mark and Declaration of Conformity

### **Design features**

- Rigid and compact base-frame, primed and and gloss finished > robust, stable, corrosion protected
- Desiccant vessels with fill and drain ports, air inlet and outlet flanges > easy to maintain
- Design of the vessels in accordance with statutory regulations > meets legal requirements
- Components interconnected by preformed pipe sections > ready to use, completely safe
- Optimum cross-sectional dimensions saving > low pressure loss, energy
- Flow-optimised changeover valve > efficient and energy-saving
- Gas distributor with low pressure drop > low operating costs
- Air inlet integrating a type FE micro-filter with pressure differential indicator > protects desiccant from condensate, oil aerosols and dirt particles
- Micro-filter fitted with pilot-controlled condensate drain > automatic drainage
- Generously dimensioned desiccant vessels > reliable drying to the required dew point
- Charge of highly hygroscopic desiccant > powerful adsorbing capacity
- Regeneration by partial flow of dried air > suitable for full and partial load operation
- Silenced discharge of purge air > minimal noise pollution
- Dried air outlet integrating a type FD particulate filter with pressure differential indicator > removal of desiccant dust
- Optical moisture indicator > continuous indication of operating condition

### **Control**

- The KAESER ECO-Control BASIC with display of adsorption and pressure change phases to control the solenoid valves > modern, microprocessor controller, easy to use with clear display
- Remote ON/OFF contact with programmed ending of the current regeneration cycle > saving of regeneration energy during intermittent operation, always ready for use
- Programmable pressure dew points: -70°C, -40°C, -20°C and +3°C > simple matching to the required compressed air quality
- Fully wired > ready for use
- Pressure gauges on the front of each vessel > simple supervision
- Floating relay contact to signal "Group alarm" > remote monitoring

### **Standards, regulations and recommendations for installation**

- Conforms to all technical standards including:
  - 98/37 EC Machinery Directive
  - EN 292-1 and 2 Safety of Machinery
  - EN 286 Simple Unfired Pressure Vessels
  - EN 60204-1 Electrical Equipment
- Documentation: KAESER service manual including operating instructions, maintenance instructions, P & I diagram and electrical diagrams.
- Mains isolator and fusing must be provided by the user in accordance with local safety regulations.