

## EKO – Drying Quality of the Highest Standard

The EKO dehumidified air dryers meet the demand for contemporary design and proven technology. They are based on the much-tested CKT technology.

The design and technology of details such as the sliding lock, the flow monitor, the return air cooler and the **ECO control system**, which protects both the material and the environment, have been adopted. Depending on the temperature of the material to be dried, **it is possible to save 20 - 30 % on energy costs. With the ECO energy control system, this figure can rise to 40 %.**

The EKO dehumidified air dryer is available in the 110, 200, 300, 500 and 800 versions. In accordance with the modular principle, storage containers in various sizes can be added on - either integrated in the drying systems or placed alongside, as you require.

### The features:

- attractive design
- tested and fully developed technology
- produced according to version 110 m<sup>3</sup>/h bis zu 800 m<sup>3</sup>/h dry air
- heat exchanger in the pipework for maximum energy efficiency
- drying containers available for all sizes
- full integration in the KOCH modular system
- the modular construction makes it easy to upgrade existing drying systems



*Dehumidified air dryer EKO 110 standard model*

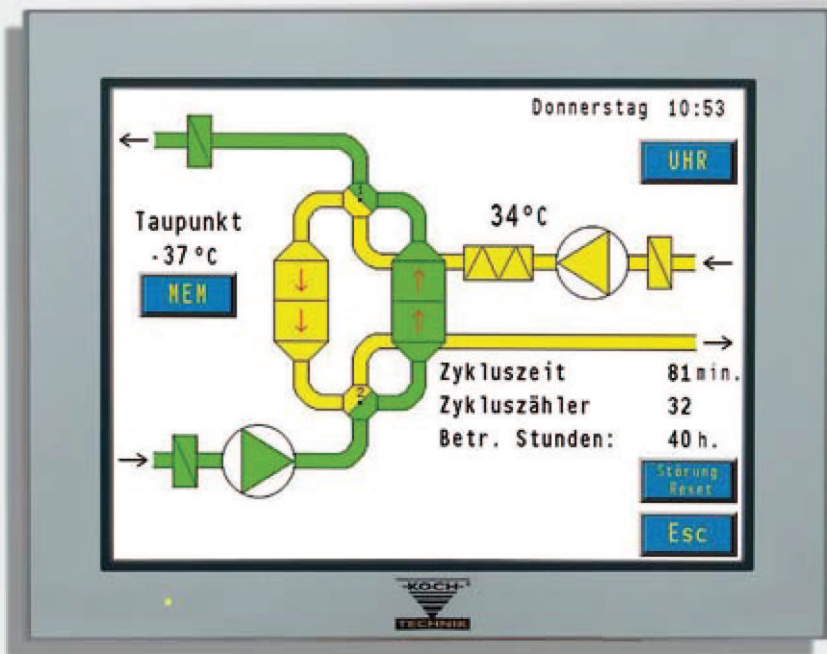


*EKO standard model: A functional diagram with LEDs provides information about the operating status at all times*



*Fast, simple cleaning provided by large doors and sight glass*

## Touch Panel Control – Control add-on for CKT- and EKO-Dryer



### Touch panel dryer operation:

- temperature-lowering control system
- record of the dew point curve of the past 500 days
- summary of the throughput on the drying containers
- lower mode
- full regulation of all the temperatures – such as drying heat, energy saving flap and the optional components: ECO control system and automatic load adjustment
- touch-sensitive display (resistive matrix touch screen)
- Language changeover
- data bus for visualisation
- the modular construction makes it easy to upgrade existing drying systems



EKO with touch panel control add-on

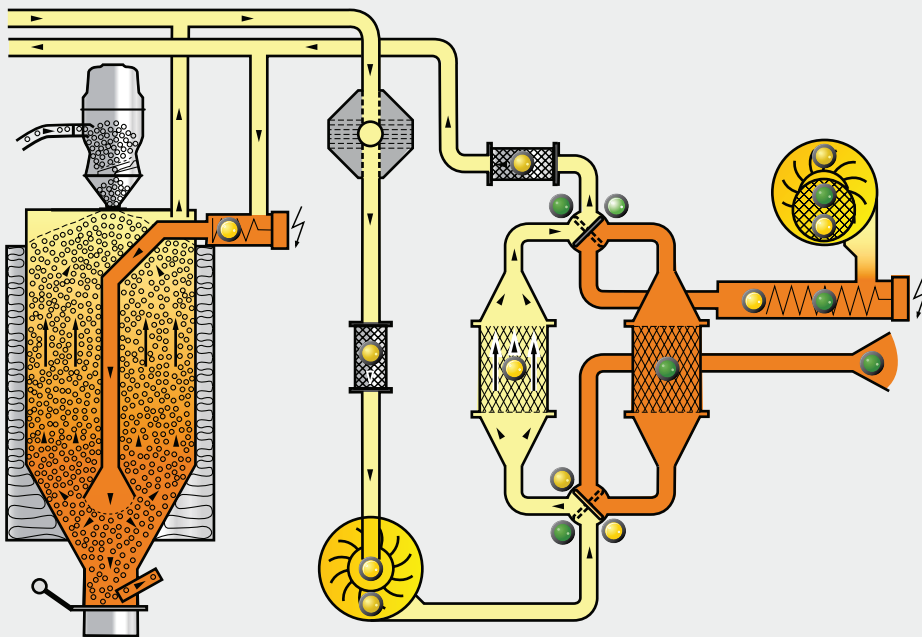


### Touch-Panel Bedienung

The touch panel supplies information about the operating status at any time. The processes can be edited immediately on the touch-sensitive display.

On request, we can provide remote monitoring of the parameters via a tablet computer, which has proved especially useful for dryers on platforms.

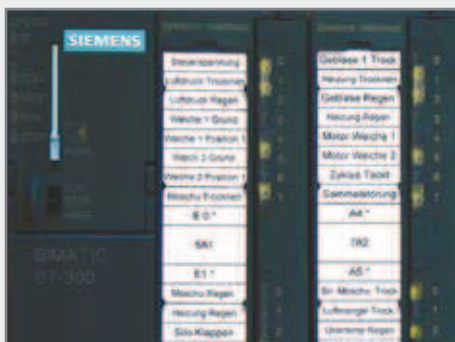




**Monitored by sensors!  
Safe drying with the  
SENSOTRONIC program**

The KOCH dryers have full electronic sensor control. The sensors ensure that the drying air remains constant, that the heating systems do not overheat, the fan air remains constant, every single air shut-off valve is registered and the switching valve always takes up its final position. KOCH's special micro-electronic systems evaluates the signals.

**You can't expect more safety.**



The **Siemens PLC controller** with integral fixed value memory to prevent any data loss, together with a data transfer interface to the Sinec L 1 bus for external monitoring of the drying procedure. *Convenience and reliability, proven a thousand times over.*



The **digital timer** with integral weekly program and easy use. This is the only way to start up on a Monday morning without waiting a single minute, because your material is dry.



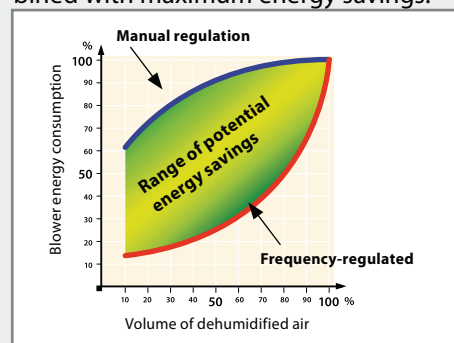
The **dew point meter** keeps a constant check on the dry air. If the measured value falls below the setpoint level, the dryer changes over fully automatically to the regenerated drying agent container. This gives you the absolute certainty that you constantly have dry air combined with maximum energy savings.



One manually operated **air shut-off** valve is usually enough. We also offer fully automatic energy saving control.



Using **the heater** on every drying container, you can separately bring every material to the desired temperature. The regulator can be set up to an accuracy of 1°C.



**Frequency converters** adjust the capacity of the drying blower to current demand and thus save energy.