DST Humidity Control

www.dsthumiditycontrol.co.uk

DR30
Dessicant Dehumidifier



Product Overview

Desiccant rotor – located at the heart of the machine the washable rotor is designed to absorb moisture without the need for a refrigeration circuit

Robust construction – complete with stainless steel chassis & fold-flat carry handle

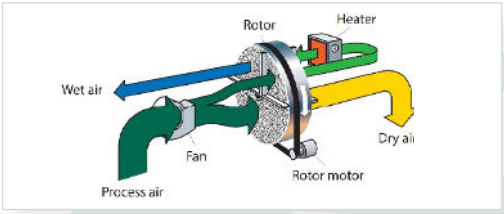
Digital controller – possible for the user to set a desired set point using the integrated controller in conjunction with humidistat

Self-regulating heater – providing heat for the 'regeneration' section – operation is fully managed by the unit's controller

Filtration section – can be easily accessed for cleaning & replacement of dirty filters when necessary

Operating Principles

There are two air streams of differing flow rates – typically having a ratio of approximately 3:1. The greater 'process' flow is dried as it passes through the dehumidifier – while the smaller 'regeneration' flow is used to heat the rotor material to drive the absorbed moisture vapour from the desiccant. The moisture removed from the process air is transferred as the rotor slowly turns.



Performance Data

Nominal Extraction Capacity (1) ..... 1.1 kg/hr
Nominal 'Dry' Air Flow Rate ..... 360 m^3/hr
Nominal 'Wet' Air Flow Rate ..... 75 m^3/hr

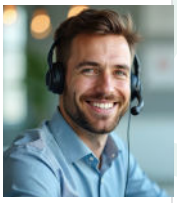
Operating Limits
Maximum Inlet Air Temparature ..... 40 °C
Minimum/Maximum Ambient Temperatures ..... -20/50 °C

Electrical Data
Power Supply ..... 230/1/50 V/ph/Hz
Power Connection ..... 13 A 3 Pin Plug

Performance data based on 'process' inlet air conditions of +20°C / 60% R.H.

Still have a question?

Get in touch with one of our expert team today.



01422 312 562
sales@dsthumiditycontrol.co.uk
www.dsthumiditycontrol.co.uk

World Leaders in Industrial Dessicant Dehumidification

DR30
Dessicant Dehumidifier



Performance Data Cont.

Spigot Connections

'Process' Air Inlet	125, 80 mm Ø
'Dry' Air Outlet	125 mm Ø
'Wet' Air Outlet	80 mm Ø

Filtration - Process / Regeneration Circuits

Grade	G4

Physical Data

Length	412 mm
Width	350 mm
Height	448 mm
Operating Weight	17 kg