

NR-DH30 Desiccant Dehumidifier

NR-DH30

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

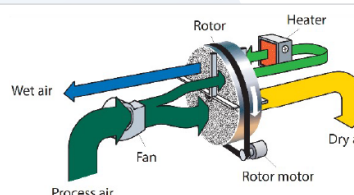
Self-regulating heater – providing heat for the 'regeneration' section – operation is fully managed by the unit's controller

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 (l)	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 Temperature	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

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
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Physical Data

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

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.

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