

DESICCANT DRYAIR 100 VRF



> Lower footprint/weight per m³/hr

> A unique triple point control on all machines over 1500 m³/hr, measuring the regeneration temperature onto the wheel, the wheel off temperature (wet air) and the RH or Dew point of the air being dried. This combination ensures the amount of energy input is relevant to the moisture being extracted. This can be applied to 500 m³/hr units as option extra.

> Numerous options available, pre-heaters and coolers, post heaters and coolers, humidifiers and many other variations as special machines.

> Filters up to F7 as standard with HEPPA & ULPA available.

> Highly efficient Silica Gel Rotor for efficiency & durability, high moisture removal efficiency with the lowest energy costs.

> Various regeneration options available on units above 1500 m³/hr. All options are fully modulating.

APPLICATIONS

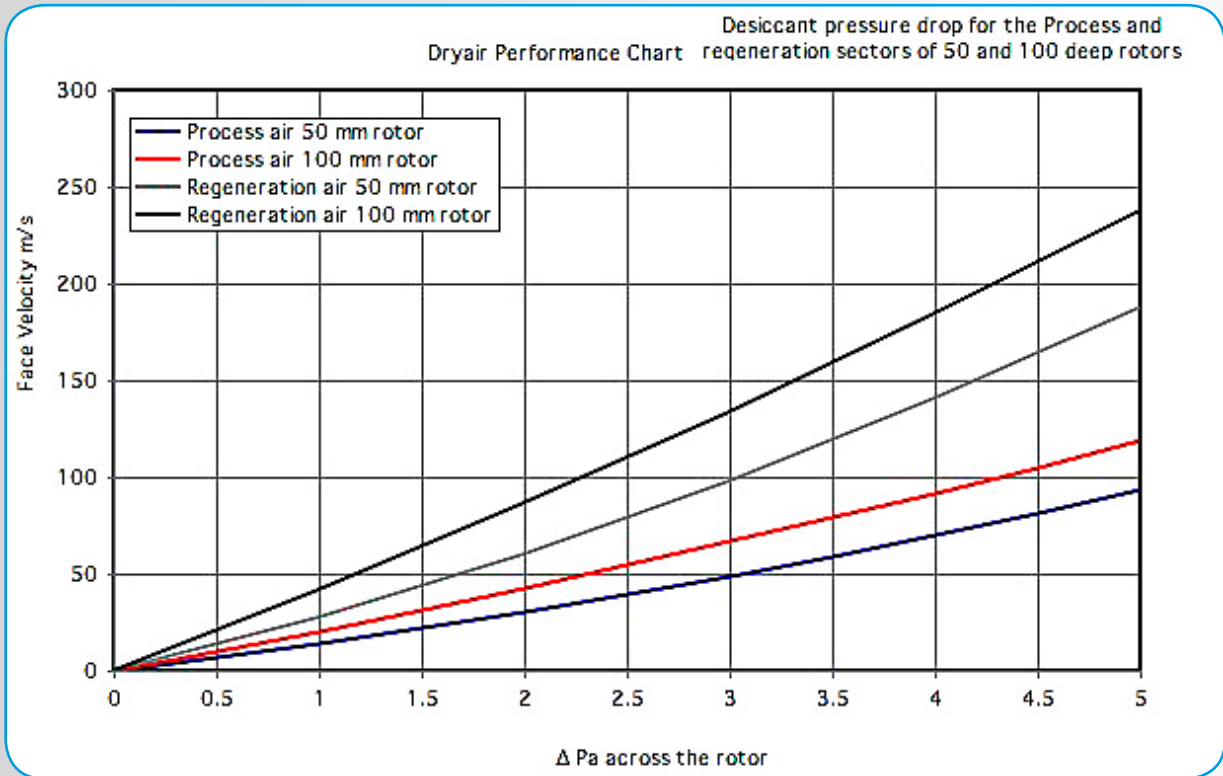
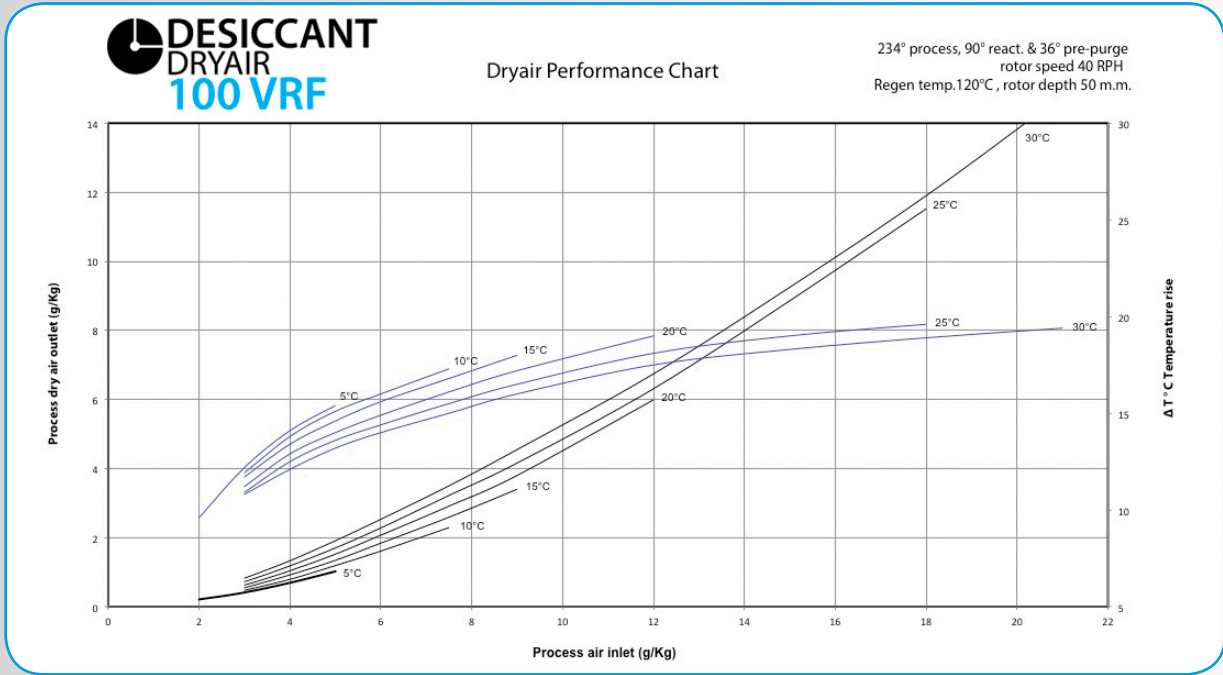
✓ DRYING ✓ SILOS ✓ MILITARY STORAGE ✓ ARCHIVE STORAGE ✓ FREEZER STORAGE

SPECIFICATIONS

Process Airflow Nominal	100	m ³ / hr
Process Pre filter	1 x 185 x 200	No / Size / Grade
High Perf Silica Gel Rotor	220 x 50	mm
Desiccant Wheel Rotation Speed	40	RPH
Process Fan Model	DDAS-AA120	
Motor Power	0.058	kW
Moisture Removal		
20°C @ 40% RH	0.4716	kg / hr
20°C @ 60% RH	0.624	kg / hr
25°C @ 60% RH	0.6828	kg / hr
30°C @ 80% RH	0.744	kg / hr
Total Pressure / External Pressure	250 / 190	Pa
Regeneration Airflow Nominal	36.3	m ³ / hr
Regeneration Filter	1 x 115 x 200	No / Size / Grade
Heater Option	Electric PTC	Electric PTC
Heater Power (on startup)	1.331	kW
Heater Power (after initial start)	0.7986	kW
Fan Model	DDAS-AA108	
Motor Power	0.04	kW
Total Pressure / External Pressure	200 / 120	Pa
Electrical Supply	1p/N/E	1p/N/E
Voltage	230	V / Ac
Electrical Input Power (on start up)	1.429	kW
ΔPa Process / Regeneration / Pre-purge	20 / 27 / 19	Pa
Dimensions	320 x 310 x 320	L x W x H mm
Process Inlet	190 x 180	mm
Process Outlet	100	mm
Regeneration Inlet	80	mm
Regeneration Outlet	80	mm
Weight	20	kg

* pressure readings at dirty filter condition

PERFORMANCE TECHNICAL DRAWINGS AVAILABLE UPON REQUEST



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