

RH CONTROL UNIT



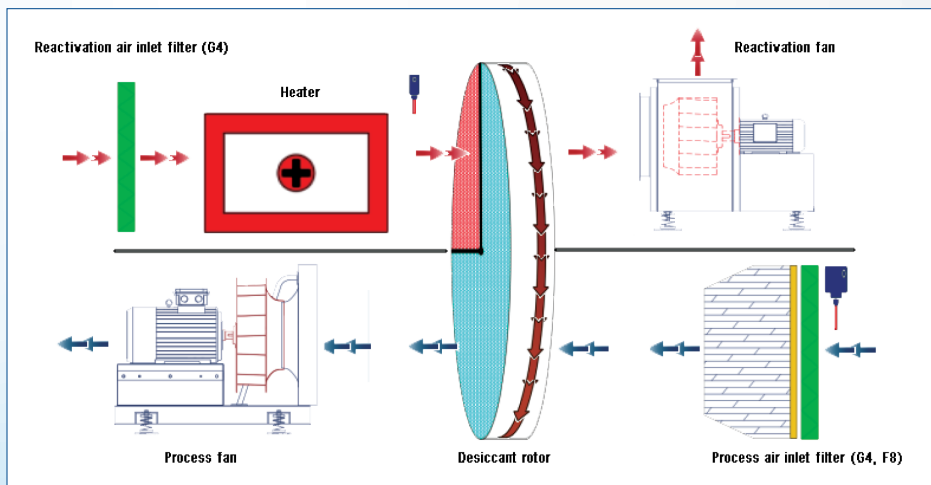
DEAIR.DE RH control units, DEAIR.DE series are specifically designed to control absolute humidity, relative humidity to a very low dewpoint applications.

KEY BENEFIT

- Lower capital and installation cost comparing to combined air-conditioner and dehumidifier.
- Quick and simple installation.
- Low dewpoint application.

PRODUCT DESCRIPTION

DEAIR.DE unit's body is made of insulated double-skin to ensure minimum cross-heat transmission, lightweight and stand heavy operation conditions. The DEAIR.DE standard unit comprise following Product selection



Note: depending on specific requirement, electric heater can be replaced fully or partially by condenser coil for better COP

DEAIR JOINT STOCK COMPANY

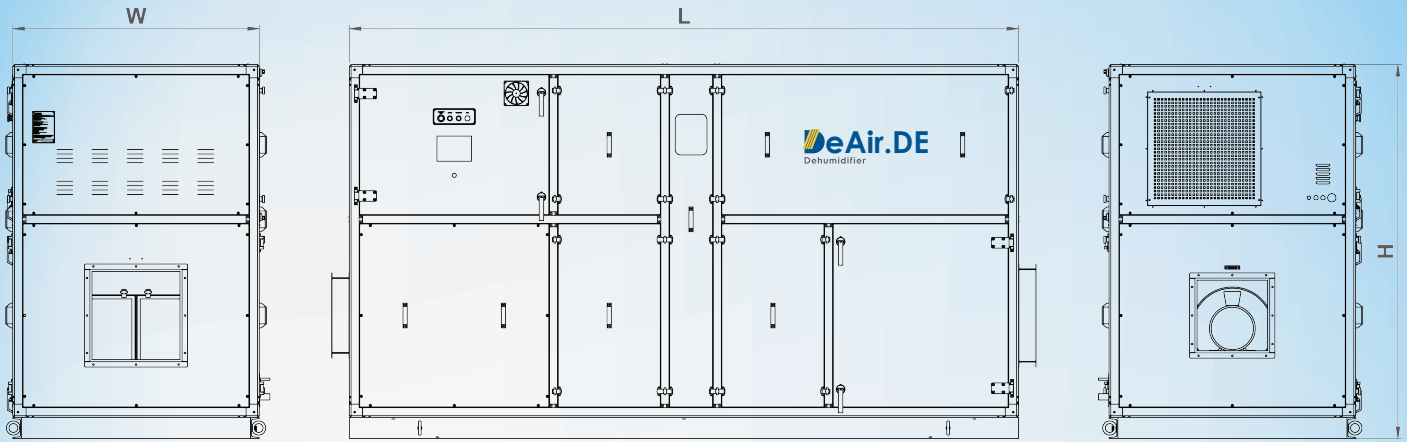
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DEAIR.DE trained engineer and representative work with you during selection process to ensure that the design, specification and configuration perfectly met with your unique requirements main components:



CONTROL

Airflow rate is controlled steplessly by inverter which saves energy consumption and provides accurate airflow amount. Cooling capacity is controlled by PLC under high demand in industrial application.

SUPER DESICCANT ROTOR

DEAIR.DE use best quality desiccant rotor. Its design team always calculate rotor capacity by professional software with correct outdoor condition where the unit is expected to install to ensure its rated capacity is what customer can really receive.

ABOUT DEAIR.DE

DEAIR.DE desiccant dehumidifier is a product manufactured according to European standards. Research and development team with over 20 years of experience in heat-moisture treatment for domestic and foreign constructions. The machine is assembled in Vietnam with high quality standards and appropriate cost. DEAIR.DE always provides the most optimal and effective solutions.

	DE-1500	DE-3000	DE-4500	DE-6000	DE-7500	DE-9000	DE-10000	DE-12000	DE-15000	DE-18000	
Process airflow rate (CMH)	1,500	3,000	4,500	6,000	7,500	9,000	10,000	12,000	15,000	18,000	
Dehumidification capacity (kg/h) @20oC/60%	10.5	20.4	32.2	43.3	53.5	64.3	71.5	89.0	102.6	134.0	
Filter return air	G4										
Filter outdoor air	G4										
Process fan (kW)	2.2	3.0	4.0	5.5		7.5		7.5	11.0	11.0	
Process fan type	Plug fan, Inverter control										
Process available external static pressure (Pa)	500										
Desiccant wheel (mm)	450x200	770x200	870x200	965x200	1050x200	1220x200		1370x200		1730x200	
Reactivation airflow rate (CMH)	500	1,000	1,500	2,000	2,500	3,000	3,333	4,000	5,000	6,000	
Reactivation available external static pressure (Pa)	300										
Power supply (V/Ph/Hz)	380/3/50										
Reactivation fan (kW)	0.75	1.1	1.5	2.2				3.0		4.0	
Electric heater capacity (kW)	15.0	30.0	45.0	60.0	75.0	90.0	100.0	120.0	150.0	180.0	
IP	44										
Max power consumption (kW)	18.07	34.22	50.62	67.82	82.82	99.82	109.82	130.62	164.12	195.12	
Dimension (LxWxH) (mm)	1,850x1,000 x1,550	2,100x1,100 x1,650	2,500x1,250 x1,800	2,600x1,500x2,000			3,000x1,600x2,170		3,200x1,700x2,520		3,500x2,300 x2,820
Weight (kg)	550	790	870	900	1,000	1,150	1,200	1,300	1,400	1,600	
Noise (dB)	<72										

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