Dezenno

Desiccant Dehumidifier

About Dezenno

Dezenno desiccant dehumidifiers line is a product manufactured according to the European standards. The research and development team with over 20 years of experience in the temperature - humidity treatments for domestic and foreign constructions. The device is assembled in Vietnam with high quality standards and appropriate cost.

Dezenno always commits to the most optimal and effective solutions to control both absolute humidity and relative humidity downto a very low dewpoint for industrial applications.

Control

Airflow rate is controlled steplessly by the inverter which saves energy consumption and provides accurate airflow amount. Besides, the PLC controls cooling capacity under high demand in the industrial applications.

Super Desiccant Rotor

Dezenno uses the best-quality desiccant rotor. Its design team applies professional software to thoroughly calculate the rotor capacity matching outdoor conditions whereby the unit expected to install ensures its rated capacity. This truly caters to customer satisfaction.
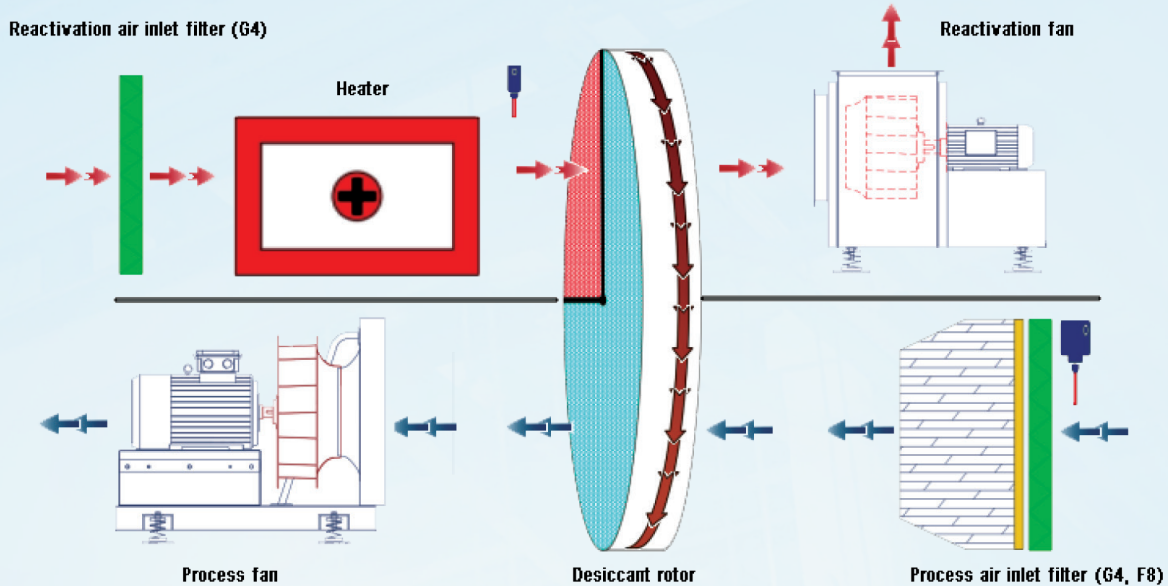
Key benefits

❯ Lower capital and installation cost comparing to the combination of air-conditioner and dehumidifier.

❯ Quick and simple installation.

❯ Low dewpoint application.

Product description

The **Dezenno** unit's body is formed from insulated double-skin to ensure minimum cross-heat transmission, lightweight and stands heavy operational conditions. The **Dezenno** standard units comprise of following components.

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

Dezenno well-trained engineers and representatives support you during the selection process to ensure that the design, specifications, and configuration perfectly fulfil main components of your unique requirements:

Dezenno 320-1200

Dezenno 1500-18000

DeAir Joint Stock Company
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Branch: No. 29, Nhu Quynh Street, Nhu Quynh Town, Van Lam District, Hung Yen Province

Dezenno serie (specifications) – Small: 320-1200

	Dezenno-320	Dezenno-450	Dezenno-600	Dezenno-800
Process airflow rate (CMH)	320	450	600	800
Dehumidification capacity (kg/h) @20°C/60%	1.4	2.4	2.74	4.6
Filter return air	F5			
Filter outdoor air	F5			
Process fan (kW)	0.2	0.25		
Process fan type	Plug fan			
Process available external static pressure (Pa)	300			
Desiccant wheel (mm)	300x100	350x100		450x100
Reactivation airflow rate (CMH)	110	150	200	267
Reactivation available external static pressure (Pa)	200			
Power source (V/Ph/Hz)	220/1/50			
Reactivation fan (kW)	0.056	0.2		
Electric heater capacity (kW)	2.4	3.6	4.8	6.0
IP	44			
Max power consumption (kW)	2.676	4.07	5.27	6.47
Dimension (WxDxH) (mm)	450x370x440	600x520x642		980x780x900
Weight (kg)	20	40		100
Noise (dBA)	59			

	Dezenno-900	Dezenno-1000	Dezenno-1200
Process airflow rate (CMH)	900	1,000	1,200
Dehumidification capacity (kg/h) @20°C/60%	5.0	5.8	8.34
Filter return air	F5		
Filter outdoor air	F5		
Process fan (kW)	0.27		
Process fan type	Plug fan		
Process available external static pressure (Pa)	300		
Desiccant wheel (mm)	450x100	450x200	
Reactivation airflow rate (CMH)	300	333	400
Reactivation available external static pressure (Pa)	200		
Power source (V/Ph/Hz)	380/3/50		
Reactivation fan (kW)	0.2		0.75
Electric heater capacity (kW)	7.2	10.8	
IP	44		
Max power consumption (kW)	7.69	11.29	11.84
Dimension (WxDxH) (mm)	980x780x900	1,200x800x1,200	
Weight (kg)	120	160	300
Noise (dBA)	65		

Dezenno serie (specifications) – Standard: 1500 – 18000

	Dezenno-1500	Dezenno-3000	Dezenno-4500	Dezenno-6000	Dezenno-7500
Process airflow rate (CMH)	1,500	3,000	4,500	6,000	7,500
Dehumidification capacity (kg/h) @20°C/60%	10.5	20.4	32.2	43.3	53.5
Filter return air	G4				
Filter outdoor air	G4				
Process fan (kW)	2.2	3.0	4.0	5.5	
Process fan type	Plug fan, Inverter control				
Process available external static pressure (Pa)	500				
Desiccant wheel (mm)	450x200	770x200	870x200	965x200	1,050x200
Reactivation airflow rate (CMH)	500	1,000	1,500	2,000	2,500
Reactivation available external static pressure (Pa)	300				
Power source (V/Ph/Hz)	380/3/50				
Reactivation fan (kW)	0.75	1.1	1.5	2.2	
Electric heater capacity (kW)	15.0	30.0	45.0	60.0	75.0
IP	44				
Max power consumption (kW)	18.07	34.22	50.62	67.82	82.82
Dimension (WxDxH) (mm)	1,850x1,000x1,550	2,100x1,100x1,650	2,500x1,250x1,800	2,600x1,500x2,000	
Weight (kg)	550	790	870	900	1,000
Noise (dBA)	72				

	Dezenno-9000	Dezenno-10000	Dezenno-12000	Dezenno-15000	Dezenno-18000
Process airflow rate (CMH)	9,000	10,000	12,000	15,000	18,000
Dehumidification capacity (kg/h) @20°C/60%	64.3	71.5	89.0	102.6	134.0
Filter return air	G4				
Filter outdoor air	G4				
Process fan (kW)	7.5			11.0	
Process fan type	Plug fan, Inverter control				
Process available external static pressure (Pa)	500				
Desiccant wheel (mm)	1,220x200		1,370x200		1,730x200
Reactivation airflow rate (CMH)	3,000	3,333	4,000	5,000	6,000
Reactivation available external static pressure (Pa)	300				
Power source (V/Ph/Hz)	380/3/50				
Reactivation fan (kW)	2.2		3.0		4.0
Electric heater capacity (kW)	90.0	100.0	120.0	150.0	180.0
IP	44				
Max power consumption (kW)	99.82	109.82	130.62	164.12	195.12
Dimension (WxDxH) (mm)	3,000x1,600x2,170		3,200x1,700x2,520		3,500x2,300x2,820
Weight (kg)	1,150	1,200	1,300	1,400	1,600
Noise (dBA)	72				