

Dehumidification



Dehumidification PAC Unit Overview

The DHP series are packaged dehumidification units designed to provide an economical and practical solution for humidity control.

Reduction in moisture content is achieved by a combination of a plate heat exchanger and a packaged air conditioning system.

The solution is achieved through a 3-stage process where the air is cooled and dehumidified through the sensible heat exchanger; further cooled and dehumidified through the cooling coil; then passing back through the opposite airflow path of the sensible heat exchange media to be reheated to the required supply air setpoint temperature. The standard equipment configuration includes EC plug fans, sensible heat-exchange media, stainless steel drain tray, and associated controls.

With nominal capacities of 500 – 5,000 l/sec, DHP units are ideally suited to applications where humidity control is essential such as:

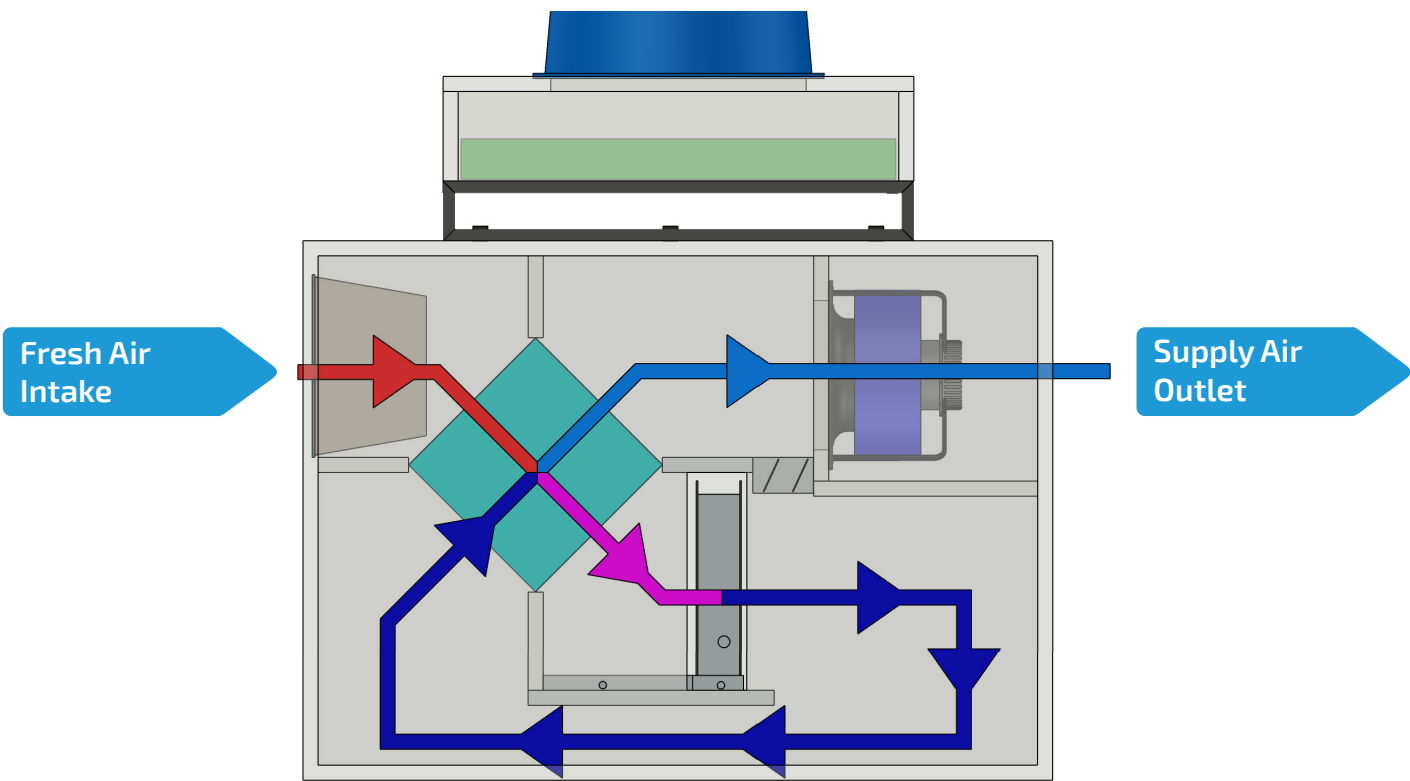
- Data Centre pressurisation
- Libraries, Archive Storage and Public Buildings, Surgery and Laboratories
- Apartment Lobby Ventilation
- Applications where tempered fresh air is required in hot and humid locations.



Performance Data

Model Number	Nominal Capacity (l/sec)	Cooling Capacity (Kw)	Heating Capacity (Kw)	Dimensions (mm) H x W x L
DHP500P3	300 – 500	20 – 40	20	2500 x 1400 x 2000
DHP900P3	600 – 900	20 – 50	20	2500 x 1800 x 2100
DHP1200P3	1000 – 1200	40 – 60	30	2600 x 1800 x 2300
DHP1700P3	1500 – 1700	50 – 80	30	2600 x 2200 x 2300
DHP2000P3	2000	60 – 100	40	2700 x 2600 x 2300
DHP2500P3	2500	80 – 120	60	2700 x 2600 x 2300
DHP3500P3	3500	100 – 140	80	2700 x 3800 x 2500
DHP4000P3	4500	120 – 180	100	2700 x 4200 x 2500
DHP5000P3	5000	140 – 240	120	2700 x 4600 x 2500

* Rated at Standard Conditions of Summer 38°db/40%RH. Winter 3°db/68%RH. Subject to change.





Fresh Air Indoors

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