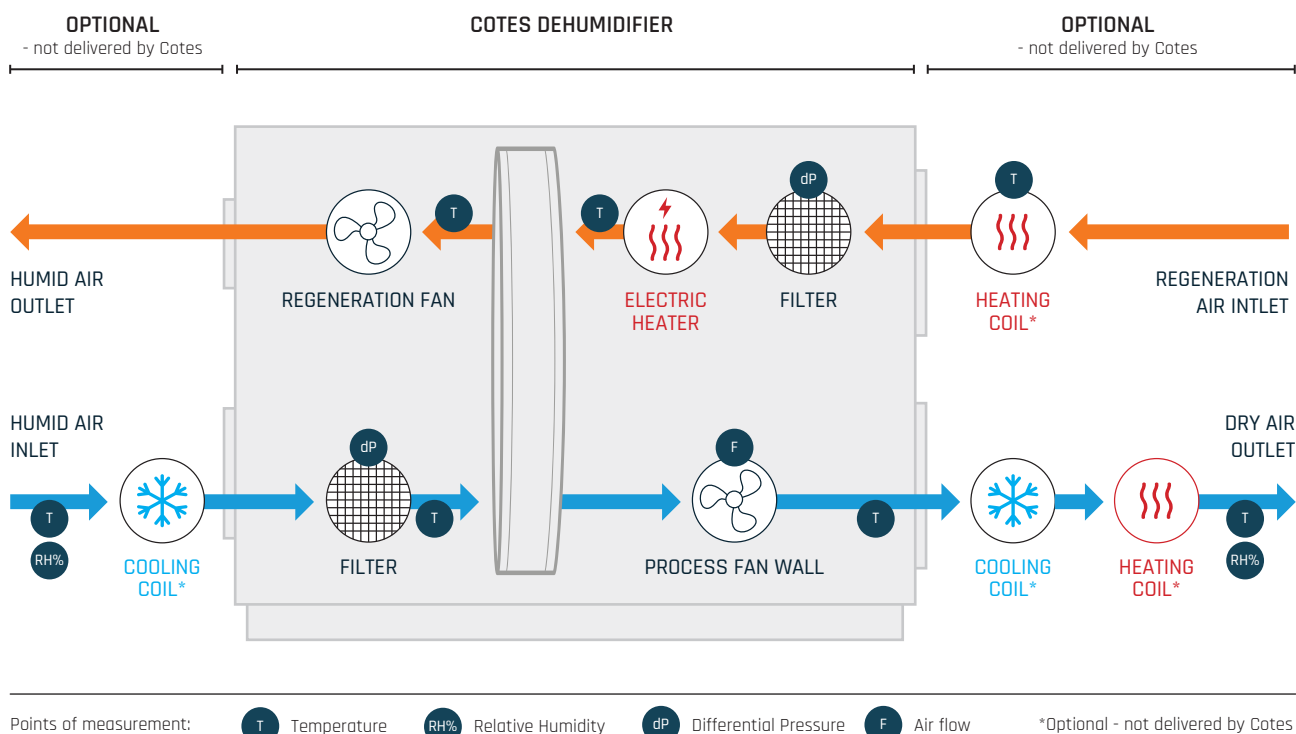


DATASHEET

The Cotes Standard Flexible are versatile dehumidifiers designed to handle large amounts of humidity. Even though standardised as a single configuration, they can by the build-in features be tailored to individual customer requirements. This includes full temperature control of the process air and support of alternative heating sources for the regeneration.



MAIN FEATURES

GENERAL

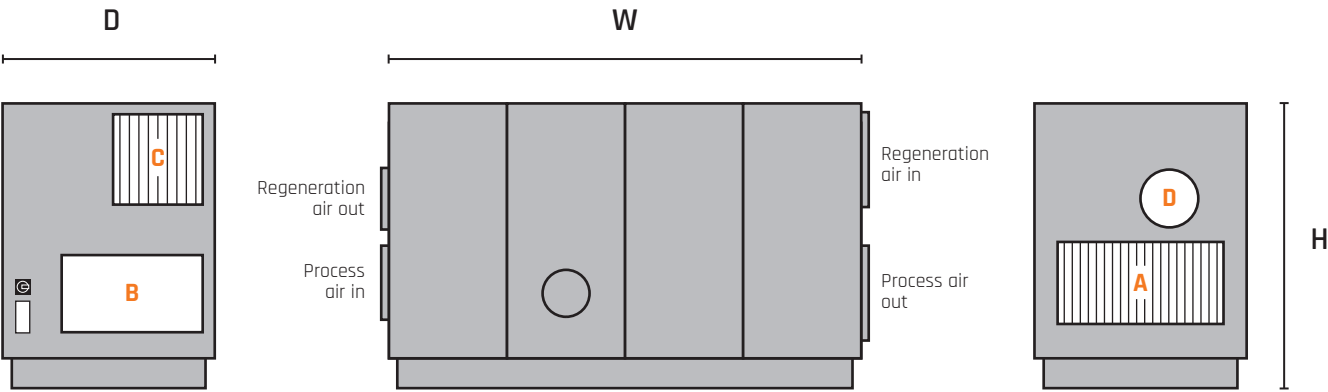
- Stainless AISI304 outer cabinet
- Airflow range from 3300 to 35000m³/h
- Insulated cabinet reducing thermal and noise emissions
- Fan-wall for redundancy and easy maintenance
- Rectangular duct connections for easy installation of additional coils or filters

CONTROL

- Flexible control system enabling easy integration of additional cooling and heating coils
- Power and control signals for up to 3 external coil valves
- Power and control signals for external steam coil valve or other alternative heating sources
- Based on Siemens S7-1200 PLC configuration
- 10" HMI panel with Option to enable Remote Access (Embedded Secomea)
- Modbus TCP & Profinet communication protocols are available for DCS and SCADA systems
- Option for Direct control of heaters and fans by external communication
- Easy process setpoint changes using recipes
- Humidity control by Relative and/or DewPoint
- Easy selection of sensor input as reference for Humidity regulation
- Datalogging process parameters

TECHNICAL DATA

Performance data is based on nominal conditions 20°C, 60%RH.



COTES STANDARD FLEXIBLE RANGE					
		C125	C150	C180	C194

TECHNICAL DATA

DRY AIR	m³/h	12000	18000	25000	35000
REGENERATION AIR	m³/h	2600	4000	5400	6800
VOLTAGE/PHASES	V/Ph	400/3PH+PE	400/3PH+PE	400/3PH+PE	400/3PH+PE
REGENERATION AIR HEATER	kW	84	135	180	225
CONNECTED LOAD	kW	93	147	199	249
MOISTURE LEVEL CAPACTIY	kg/h	65	103	138	173

DIMENSIONS AND WEIGHT

W	WIDTH	mm	2435	3045	3045	3655
D	DEPTH	mm	1710	1910	2410	2410
H	HEIGHT	mm	2050	2250	2550	2950
	WEIGHT	kg	1400	1900	2500	3200

DUCT CONNECTIONS

A	PROCESS AIR INLET	mm	1500 x 800	1500 x 900	2000 x 1000	2000 x 1200
B	PROCESS AIR OUTLET	mm	1000 x 600	1100 x 800	1300 x 1000	1400 x 1200
C	REGENERATION AIR INLET	mm	600 x 600	800 x 800	800 x 800	800 x 800
D	REGENERATION AIR OUTLET	mm	Ø300	Ø400	Ø500	Ø500

All information is provisional, depending on exact specification and equipment ordered, and is subject to change without further notice.