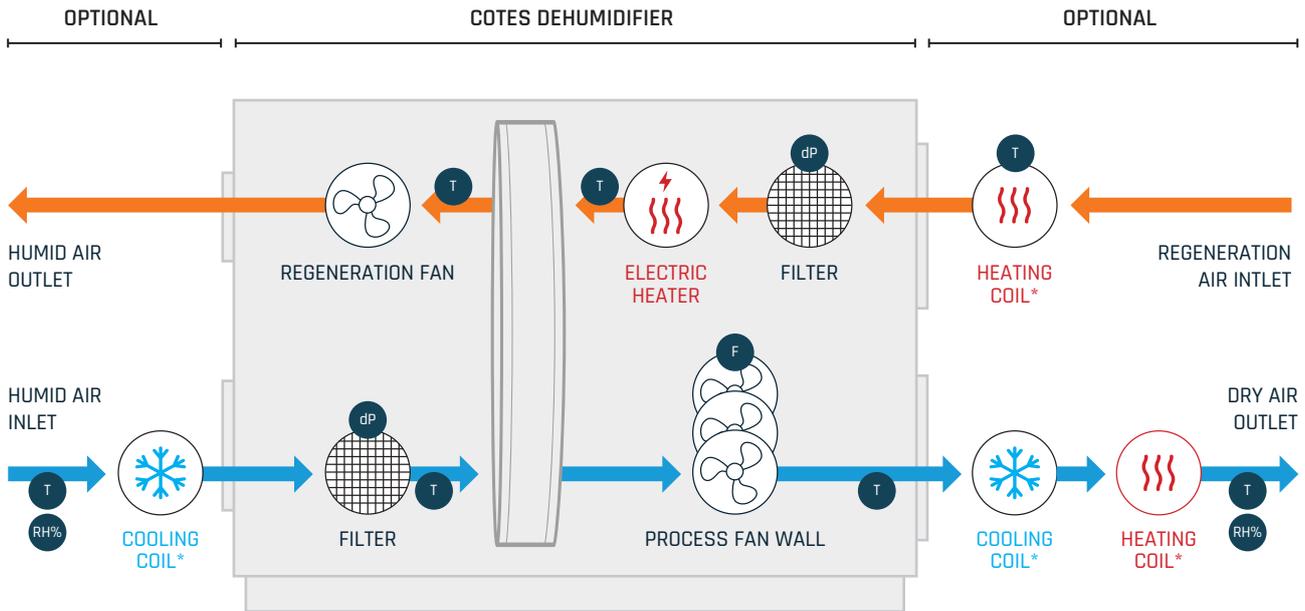


# DATASHEET

The Cotes Standard Flexible is a broad range of high-capacity dehumidifiers engineered for precise, stable humidity control in large-scale industrial environments. Due to their build-in features, they can be tailored to individual customer requirements.



Points of measurement: **T** Temperature **RH%** Relative Humidity **dP** Differential Pressure **F** Air flow \*Optional - not delivered by Cotes

## MAIN FEATURES

### GENERAL

- Stainless AISI304 outer cabinet
- Nominal airflow range from 12000 to 35000 m<sup>3</sup>/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

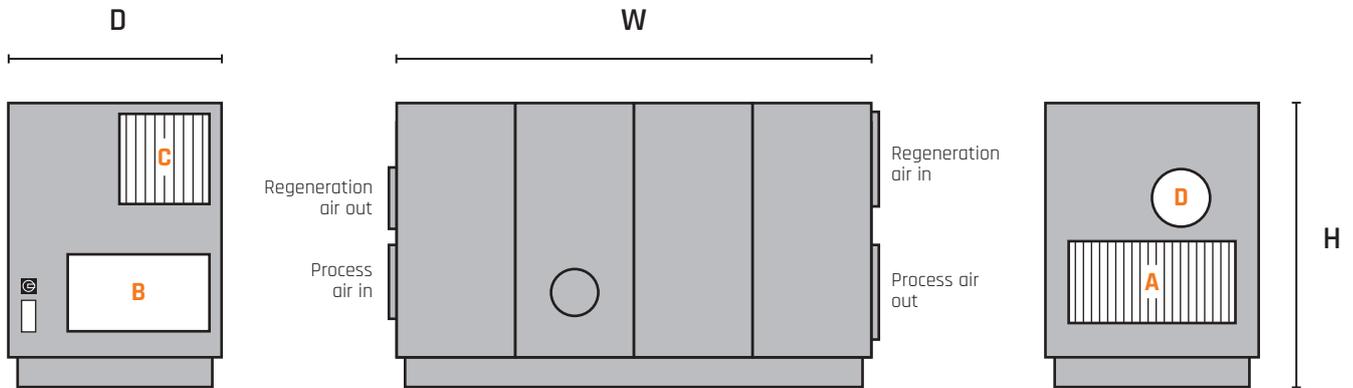
### CONTROL

- 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

## COTES STANDARD FLEXIBLE

# TECHNICAL DATA

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



COTES STANDARD FLEXIBLE						
		C125	C150	C180	C194	
<b>TECHNICAL DATA</b>						
DRY AIR	m³/h	12000	18000	25000	35000	
REGENERATION AIR	m³/h	2600	4000	5400	6800	
SUPPLY/CONNECTIONS	V/Ph	400V-50Hz / 3xPH+PE	400V-50Hz / 3xPH+PE	400V-50Hz / 3xPH+PE	400V-50Hz / 3xPH+PE	
REGENERATION AIR HEATER	kW	84	135	180	225	
CONNECTED LOAD	kW	93	147	199	249	
EXT. PRESSURE PROCESS AIR	Pa	400	400	400	400	
EXT. PRESSURE REGENERATION AIR	Pa	400	400	400	400	
MOISTURE LEVEL CAPACITY	kg/h	65	103	138	173	
<b>DIMENSIONS AND WEIGHT</b>						
W	WIDTH	mm	2433	3044	3044	3655
D	DEPTH	mm	1710	1910	2410	2410
H	HEIGHT	mm	2052	2252	2552	2852
	WEIGHT	kg	1400	1900	2500	3200
<b>DUCT CONNECTIONS</b>						
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.