

A temperature control unit for solder paste printing.

The TCU has been designed specifically for solder paste printing. Using cooling and heating elements, it maintains the temperature within the printing environment for optimum paste performance.

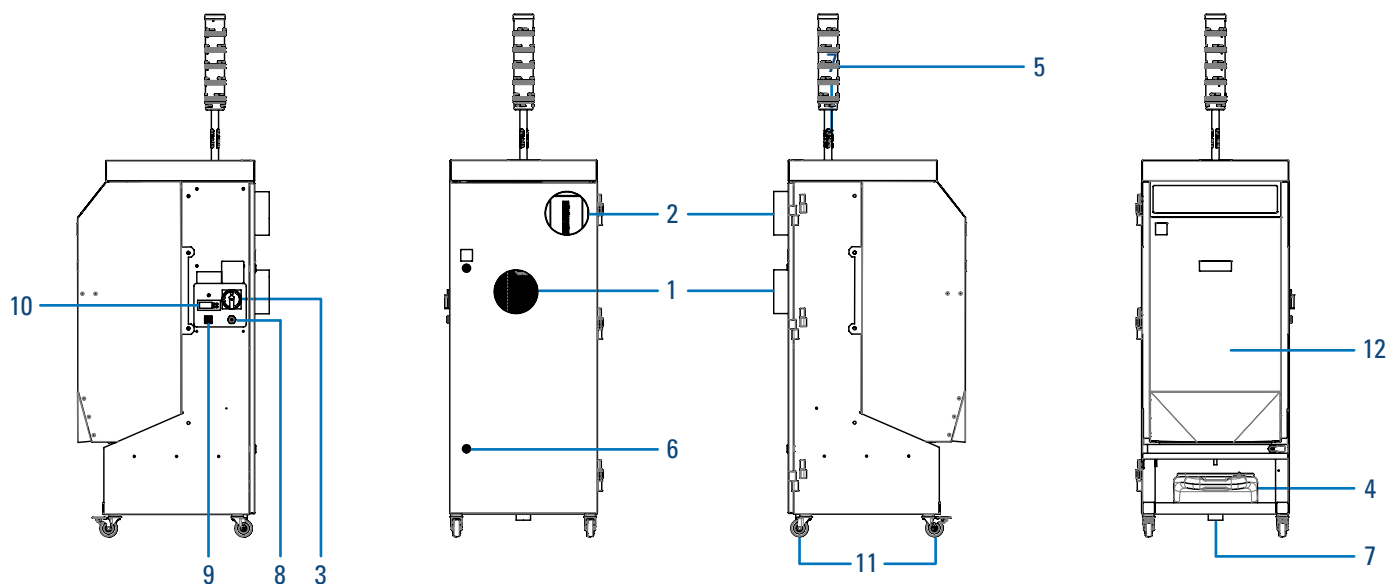
FEATURES

- Small footprint
- Programmable temperature range
- Condensate collection container

Approvals: UKCA and CE



TECHNICAL SPECIFICATION



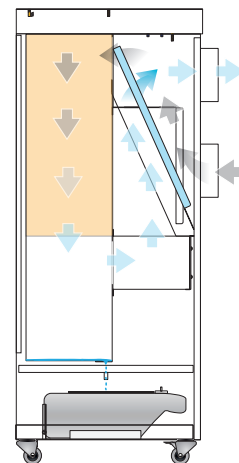
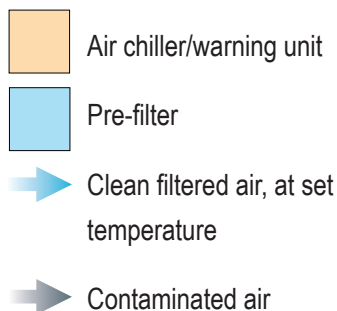
1. Air inlet
2. Air outlet
3. On/off switch
4. Condensate collection container
5. Beacon
6. Service door lock

7. Fail style condensate sensor
8. Mains cable inlet
9. Signal cable inlet
10. PID controller
11. Castors
12. Chiller module

TECHNICAL DATA

Process temperature range	+/- 46 °F (8°C) of ambient within a programmable range of 66 °F (19°C) to 86 °F (30°C)
Process temperature control	+/- 34 °F (1°C)
Air delivery system	Recirculating
Cooling capacity	2000 W
Temperature sensor	0-10 VDC 32-122 °F (0-50°C) shared output from printer sensor
Refrigerant gas	R134a/0.75 kg
Electrical supply	230 V +/- 10%
Full load current	12.6 A
Start-up current	20 A
Frequency	50/60 Hz
Power supply cables	L= Brown, N= Blue, E= Green/Yellow
Noise level*	< 75 dB(A)
Weight	220 lbs (100 kg)
Condensate	Collected in a 1.1 gallon (5 litre) container for disposal or diverted directly to a drainage system where available

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)	
	ft²	m²
Pre-filter	8.93	0.83

PART NUMBERS - FILTERS

Pre-filter
1UA1030305

* Noise level: At typical operating speed.

** Height including beacon

PART NUMBERS - SYSTEM

Description	Part number
Temperature Control Unit (TCU) 230 V	1U2310-100

Datasheet correct at time of publishing. Where applicable, the carbon used in Donaldson BOFA systems is capable of removing a wide range of VOCs, however it is the responsibility of the user to ensure the carbon is suitable for their application. For specific applications, please contact us for details.

Important Notice

Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, product specifications, availability and data are subject to change without notice, and may vary by region or country.



Approvals: REACH and RoHS. See individual product technical data for specific accreditations.

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BOFA™

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