



A Donaldson Company

A WORLD LEADER IN FUME  
EXTRACTION TECHNOLOGY

# T 1

Last Updated on 02.02.2022



Single tip extraction for all solder applications.

The T 1 high vacuum unit is designed to extract and filter fumes and debris through small bore hoses and attachments. Ideally suited for soldering iron tip extraction, vac pens and any application requiring close proximity, micro extraction.

## Technology



HEPA filter



Advanced carbon  
filter (ACF)  
technology



ProTECT service  
plan



SureCHECK  
quality standard

## Key features of the T 1

**Compact design**  
Standard

**Low noise level**  
Standard

**Tip extraction iron kit**  
Optional

**High vacuum pumps**  
Standard

**3 stage filtration**  
Standard

Contact BOFA at <https://bofainternational.com/en/contact/>

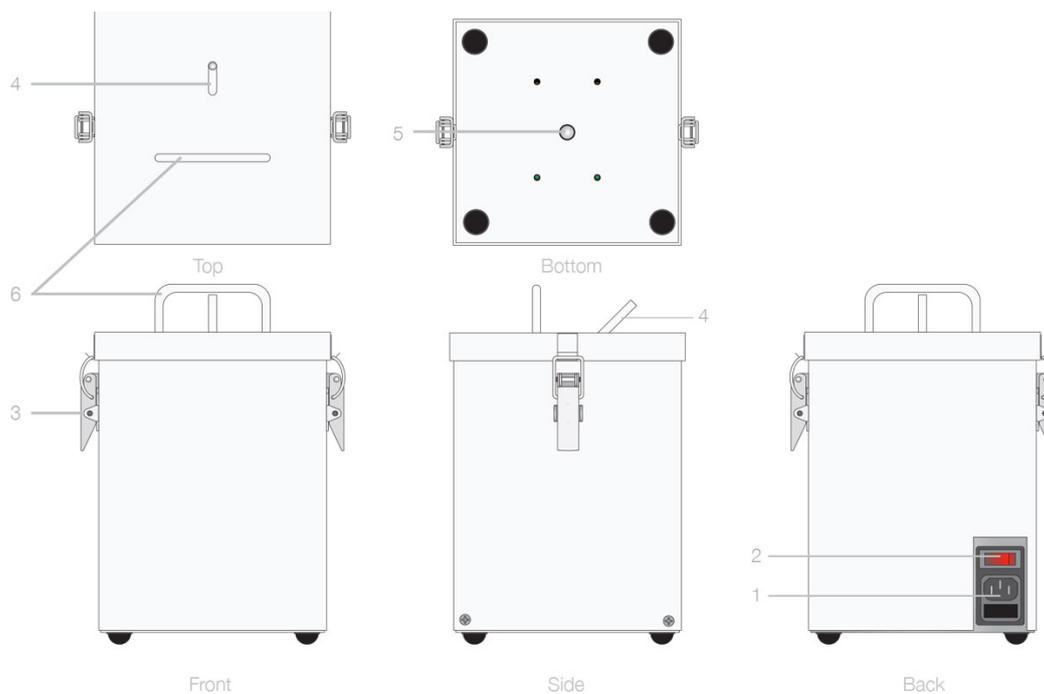
<https://bofainternational.com/en/portal/datasheets/t-1/>



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

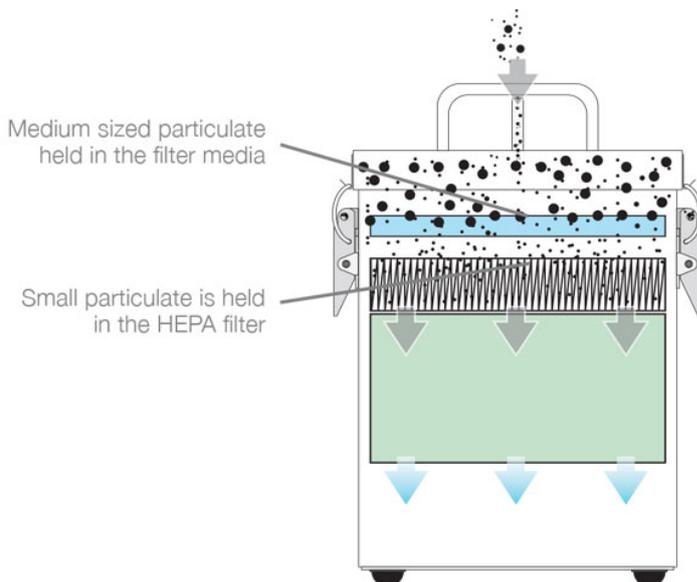
## Technical specification

- 1. Power inlet
- 2. On / off switch
- 3. Filter latch
- 4. Hose inlet connection - 6mm
- 5. Exhaust outlet
- 6. Handle



## Airflow through filters

-  Chemical filter
-  HEPA filter
-  Pre-filter
-  Clean air
-  Contaminated air
-  Particulate



## Technical data

|   | EU   | US   |
|---|--|--|
| Dimensions (HxWxD)                                  | 270 x 200 x 185mm  | 10.63 x 7.87 x 7.28"                           |
| Cabinet construction                                | Powder coated mild steel                                       | Powder coated mild steel                       |
| Recommended flow rate with filters fitted (per tip) | 22 L/M   | 22 L/M   |
| Electrical data                                     | 230v Single-phase 1~ 50/60Hz Full load current: 0.25amps / 40w | 115v 60/50Hz Full load current: 0.46amps / 32w |
| Noise level   | < 48dba (at typical operating speed)                           | < 48dba (at typical operating speed)           |
| Weight  | 5kg  | 11lbs  |
| Pre-filter efficiency                               | F7 (85% @ 0.8 microns)   | F7 (85% @ 0.8 microns)                         |
| HEPA filter efficiency                              | (99.997% @ 0.3 microns   | (99.997% @ 0.3 microns                         |
| Gas filter  | Treated activated carbon                                       | Treated activated carbon                       |
| Approvals   | UKCA and CE  | UKCA and CE                                    |

## Unit part numbers

| Model                | Voltage | Part no.   |
|----------------------|---------|------------|
| T 1<br>Powder coated | 230V    | E0142A0000 |
| T 1<br>Powder coated | 115V    | E0141A0000 |

## Filter part numbers

| Model | Pre-filter part number | Combined filter part number |
|-------|------------------------|-----------------------------|
| T 1   | A1030087               | A1030086                    |

## Universal adjustable iron kit part numbers

| Model   | Part no. |
|---------|----------|
| Non ESD | A1090025 |
| ESD     | A1090026 |



## Universal iron kit components (Maximum number of soldering irons: 1)

1. 6mm stainless steel tube  
220mm long

2. 6mm stainless steel tube  
110mm long

3. 5mm stainless steel tube  
200mm long

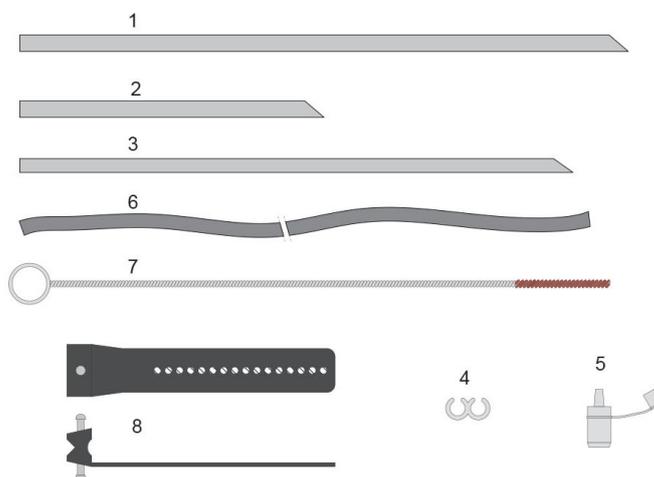
4. 4 x E clips

5. 1 x clear plug

6. 2.5meters of 6.5mm x  
4.5mm silicone hose

7. Small brass brush

8. Rubber tube to iron strap



## Other languages

T 1 datasheet  
[Spanish](#)

T 1 datasheet  
[German](#)

T 1 datasheet  
[French](#)

T 1 datasheet  
[Italian](#)

*Datasheet correct at time of publishing.*

*Where applicable, the carbon used in BOFA units 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.*

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