

donaldson® torit®

EXPERTS IN FUME AND DUST COLLECTION



PT1001 BIA

Fume and dust collector



Compact unit with automatic cleaning

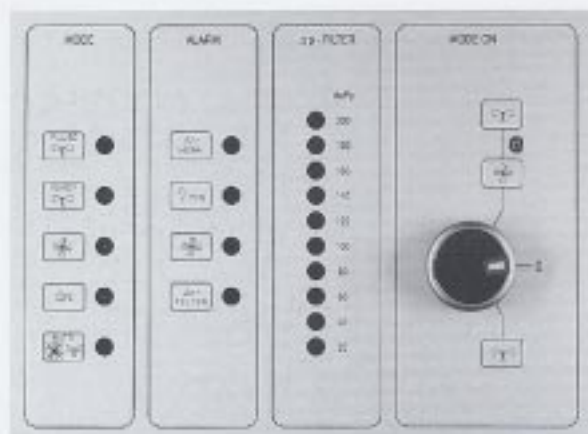
The PT1001 mobile fume and dust collector has been designed specifically for workshops, laboratories and factories which generate continuous emission of fume and dust. Using the exclusive Torit® cartridge technology, the PT1001 has many features making it particularly well suited for a wide range of heavy duty applications.

Complies with the stringest European health & safety regulations

The PT1001 is fitted with 2 Ultra-Web® flame retardant filter cartridges which feature a filtration efficiency of 99.97% at 0.3 µm. The unit has been tested and qualified by the independent German health and safety organisation BIA for welding fumes applications and meets also the legislations VBG15, VBG113, TRGS560. The BIA has also tested the filter media efficiency and qualified it class U, S, G, C. This means that in many applications, the filtered air can be recirculated whilst contributing to energy savings.

Automatic cleaning of the cartridges

The cartridges are automatically cleaned by compressed air (reverse pulse jet). Because the elements are cleaned, the PT1001 is particularly well suited for heavy dust loading and filter life time can be extended up to 4000 hours operation. Cleaning can be done either while unit is operating or while unit is shut down.



Safety first with the electronic control panel

This panel helps to make sure the unit is operating properly. It monitors the following parameters:

- filter pressure drop (20 ... 200 daPa led display)
- after filter pressure drop if any
- minimum air flow
- status of fan and cleaning system

Whenever airflow is insufficient a buzzer alarm is activated.



Filter Media
qualified

BIA

cat. U,S,G,C
ZH1/487 §2



PT1001 unit
qualified

BIA

Test certificate
9403179/1110



– easy to move – roll it where needed

Safe dust discharge system

Dust discharge with a scraper allows maintenance without any contact with the dust.

Basic model

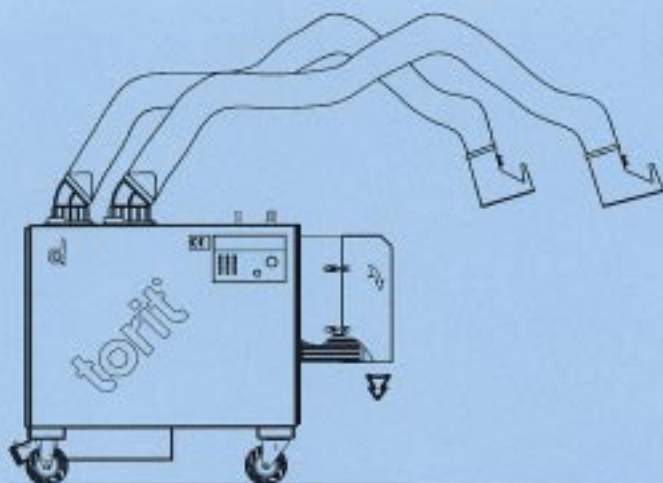
For customers who do not need the BIA certification, a basic model of the PT1001 is also available. It uses a dust drawer instead of the scraper and has no electronic control panel.



Options

- Hepa absolute after filter
- 2 arms mounting kit
- Other cartridges

Unit can be supplied with a full line of various cartridges to meet the application needs like e.g. Fibra-Web™ or Ultra-Tek™ for the fibrous dusts. For applications generating sparks, it is recommended to use Ultra-Web flame retardant cartridges.



Applications



Initially designed for welding fume, the unit has been proven to work in many other applications like:

- Mixing
- Manual thermal cutting
- Grinding
- Stone chiselling
- Toner refilling
- Etc ...



Specifications

Dimensions (without flexible arm):

1475 x 650 x 1365 mm
(length x width x height)

Weight: 265 kg

Power: 1.1 kW, 230 V, 50 Hz

Single phase IP54

Nominal air flow:

1 arm: 1100 m³/h

2 arms: 1650 m³/h

2 Ultra-Web[®] flame retardant cartridges

Filtration area: 42 m²; BIA categories U, S, G, C according to ZH1/487 §2

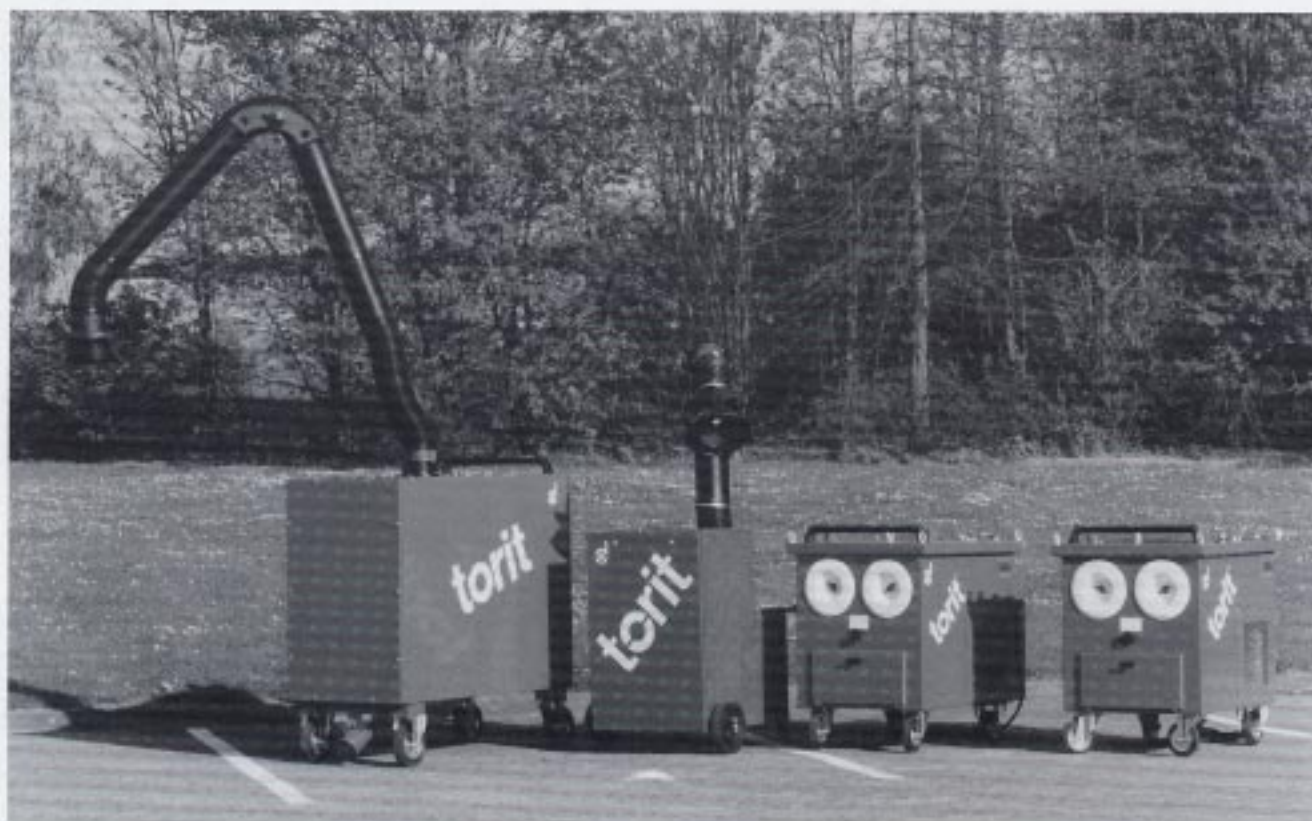
Quick release coupling for dry and oil free compressed air

Pressure 4 bar (max. 6 bar)

Sound Pressure level: < 72 dB(A) at 1m free field conditions

Standard paint finish: blue RAL 5015

A full range of mobile units ...



Call your local torit[®] service centre for technical support

Information given in this leaflet is subject to change and does not represent a commitment on the part of Donaldson Torit.

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