

Technical Reference Sheet 08: Off Heat Duct

Components



1. Off heat flange
2. Off heat bow
3. Off heat hose
4. External face plate

Functionality

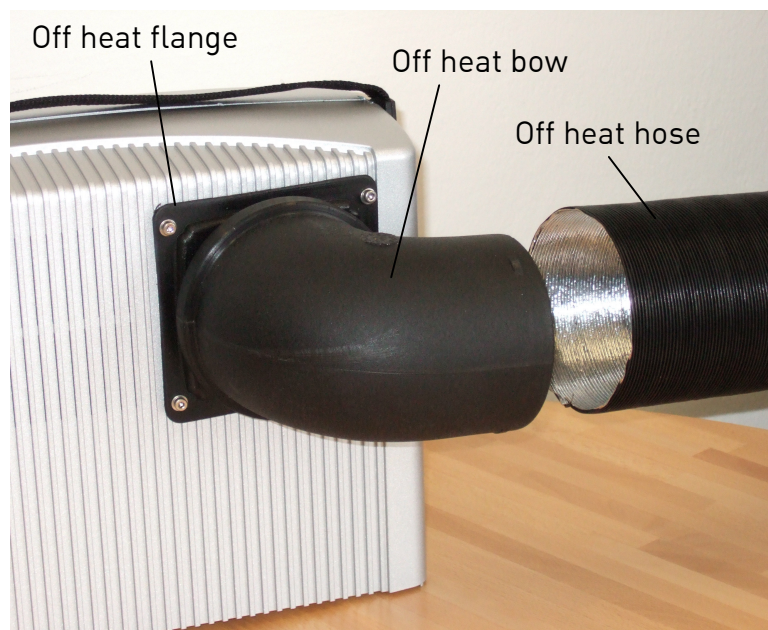
The EFOY-device cools itself by drawing in cool ambient air and blowing it through the built-in heat exchanger. The off heat duct channels the warm air away from the device and outside of the installation space. A sufficient amount of fresh air has to enter the installation space through a second opening (or several openings) in the enclosure. This type of air management ensures that the entire installation space is well ventilated and therefore cooled.

In some special cases, it may be desired to heat the installation space with the device's waste heat, for example to avoid freezing inside the installation space. If this is desired, the off heat duct should be mounted on the cool air side. The device can then draw in cool air from outside the installation space and will blow the warm air into the installation space. The venting opening(s) allow excess air (and cold air) to flow out of the installation space.

Technical Data

Waste Heat output EFOY 600 / 1200 / 1600 (nominal operation, max.)	100 W / 200 W / 260 W
Process air (all operating conditions)	8.5 NL/min
Cooling air flow rate (electronically regulated)	1000 NL/min (max.)
Diameter of off heat duct	10 cm (4 in)
Length of off heat hose	ca. 75 cm (29.5 in)
Length of off heat flange	ca. 38 cm (15 in), nozzle 2.5 cm (9.8 in)
Outer dimensions of off heat bow (B x T)	ca. 15 x 13 cm (5.9 x 5.1 in)

Installation



Notes

- The off heat duct can be mounted in any direction.
- The off heat hose can be attached to the off heat flange directly to build a straight duct (for example through a side wall).
- The off heat bow and hose can be omitted if the device is positioned very close to the wall of the installation space. The off heat flange must cut through the wall directly in this case.
- Use the external face plate to avoid penetration of dirt or debris.

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