

BEL-AIR: Ventilation Device for Electrical Panels

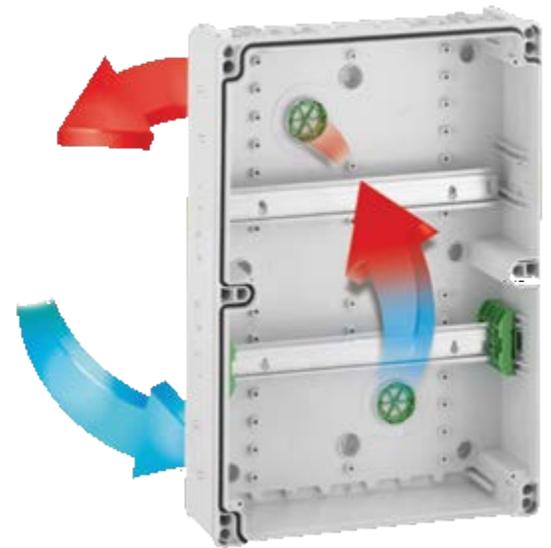
BEL-AIR is a new accessory, designed to provide air circulation inside electrical panels and cabinets, without power, without diminishing the overall IP factor and preventing building of internal pressure.



Today's continuous miniaturization of components, leads to increasing densities within enclosures and contributes to higher temperatures within the enclosures. These elevated temperatures need to be addressed to avoid problems caused by the accumulation of moisture. There are several ways to reduce the effect of moisture inside an enclosure. One is to provide appropriate heating elements (see ITC's catalog on Thermal Management). The other is ensuring air circulation inside the enclosure.

The patented BEL-AIR device manufactured by Spelsberg provides continuous air exchange within the enclosure; installing two of these devices (one for entry, one for exit of the air) allows the air from the enclosure to mix constantly with the air from the outside environment, and to transport humidity outside. This device is comprised of a circular frame with an external cover, containing a filter and a labyrinth designed to separate any droplets of humidity.

BEL-AIR is sold in packages of 2 sets, including filters, washers and locknuts. For the installation of each unit, a round hole M40 must be provided. The recommended positions of the 2 holes are on the back of the enclosure, one near the top, one near the bottom of the same, possibly not on the same vertical alignment (see image). They must NOT be installed on the top or bottom walls of the enclosure; the side walls too, should be avoided. Each device must be installed with the removable tab directed upwards (The brand mark "ELS" appears straight, at the bottom of the device).



Features and Specifications:

- Installation requirements: a round M40 hole for each filter
- Power requirements: none
- Maintenance: occasional internal filter replacement
- Ratings: IP65, IK08 and NEMA 3R
- Material: polycarbonate
- Approvals: cULus, VDE

BEL-AIR Ventilation (Order by Part No.)

Part Number	Description
SP263-440	BEL-AIR ventilation device with filters, washer and locknuts (2 pack)

