

VENTILATION UNIT SBL 480

Measuring solar radiation under certain circumstances like rain, dew, snow or frost can be quite challenging, because debris falsifies the results. Reliability and accurateness of solar measurements is being enhanced by the use of the SBL 480 van, since the debris can be reduced or even completely avoided. A continuously and equally heated dome additionally allows reducing the cooling effects throughout the night as well as the glass dome heating up through direct sun radiation - This allows maintaining the ambient temperature level.

This particular ventilation-unit SBL 480 was designed also to withstand the harsh conditions of the alps – and therefore can be operated on the most climate conditions throughout the world. Details, like captive screws for fastening the dome allow removing the housing-dome also under adverse conditions without any concerns of losing screws.



FEATURES

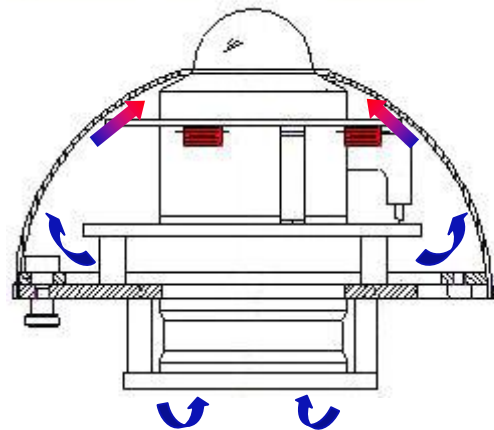
- ✓ High quality material applied (e.g. Stainless steel, industry standard fan especially modified for outdoor use)
- ✓ Easy mounting possible to horizontal / vertical rods with optional mounting kits (square-type tube or circular tube).
- ✓ 2 heating steps built in. Low power heating for regular applications and high power for challenging locations like the high mountains
- ✓ User-friendly and easy to maintain (leveling with the housing dome mounted is possible → detail solutions making the difference)
- ✓ Minimal heating-up of radiation sensor through advantageous design of the heating elements.

THE SBL 480 IS CONSISTING OF:

- electronic controlled van,
- main housing with a special advantageous shape of the dome,
- heating elements aligned almost at the height of the glass dome,
- base plate for the lots of commercially available radiation sensors,
- industrial industry standard fan especially modified for outdoor use,
- tacho signal, open collector 2 pulses each rotation

TECHNICAL SPECIFICATIONS

External power	24 AC/DC, 1,2A at 25W heating
Ventilator	1,6W
Heating:	10W / 25W
Tacho signal	open collector, 2 pulses per revolution
Ambient conditions	-40...+70°C
Height:	135mm,
Diameter:	203mm
Weight	1,7kg



INSTALLATION

- horizontal plate with 68 x 68 mm thread holes M6 – Standard
- Vertical rod (square-type tube 26-27mm, 20-22mm, 31-33mm or circular tube diameter 20-52mm) - Optional
- Horizontal rod (square-type tube 26-27mm, 20-22mm, 31-33mm or circular tube diameter 20-52mm) - Optional

OPTIONS

- Horizontal mounting SBL 480
- Vertical mounting SBL 480
- Power supply 24 V
- Power supply 100-230V AC to 24 VAC
- Connector for external power supply and signal cable, including plug.
- Adapter kit for Eigenbrodt sensors type 1
- Adapter kit for Eigenbrodt sensors type 2 and 3
- Bubble level, mounted onto base plate
- Cable
- Inlet-filter, set of 5 pieces
- Connector (IP67) instead of open wire connection for external signal/power-line for easy disconnection

