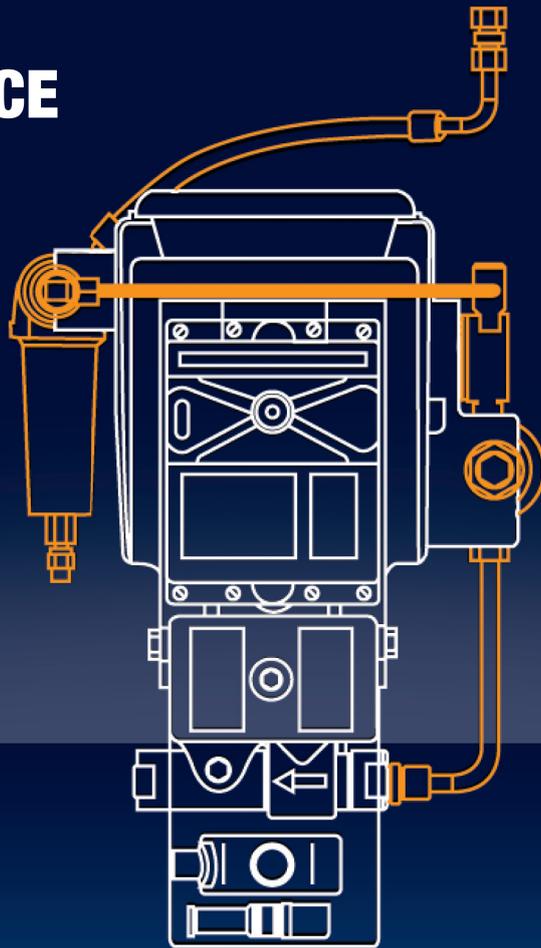
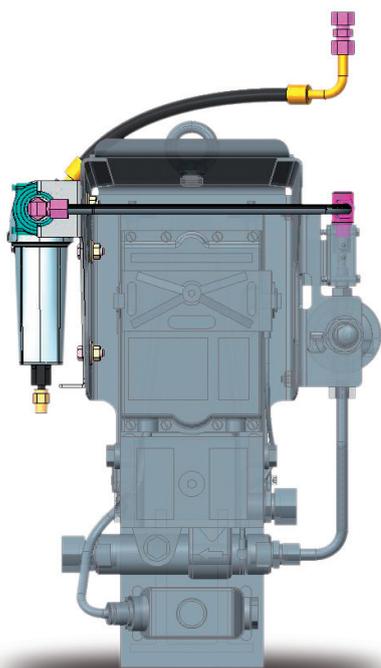


# UPGRADE KITS FOR MAINTENANCE MINIMIZATION

VISATRON®  
VN/87<sup>plus</sup>, /87, /93  
SERIES



## Oil Mist Detection Systems



### FEATURES:

- Longer lasting air filter
- Longer Time before Overhaul (TBO)
- Not dependent on on board air quality
- Easy to retrofit
- Optional automatic de-oiling/-watering

# DRIVING AIR CONDITIONING (PART NO. 272213) VISATRON® VN/87<sup>plus</sup>, /87, /93 SERIES

## FUNCTION DESCRIPTION

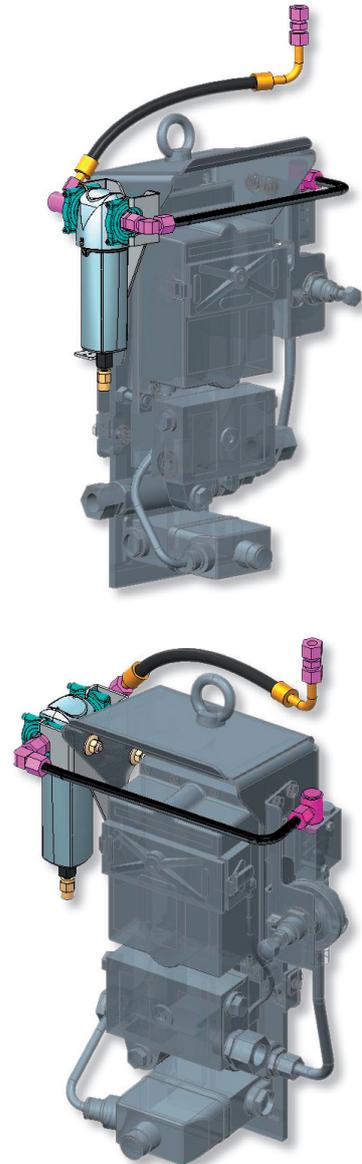
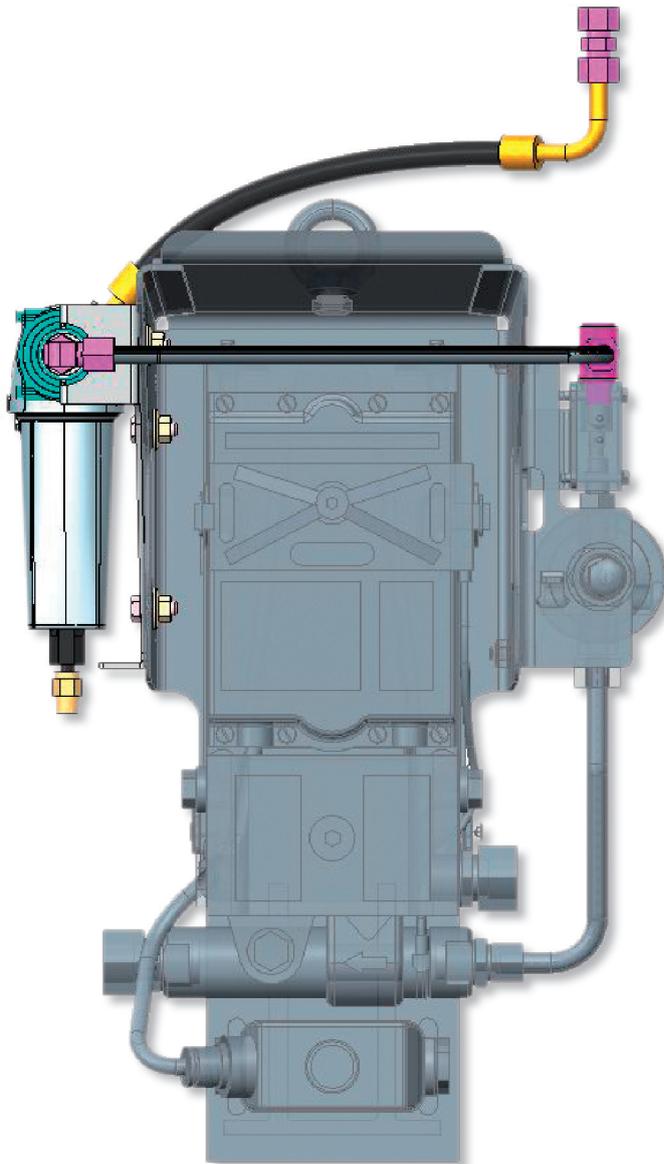
VISATRON® Oil Mist Detection systems, no matter whether of VN/87<sup>plus</sup>, /87 or /93 series, are known as being reliable and trustworthy safety systems to protect your engine from consequential damage after e.g. a bearing failure. Nevertheless, in order to reduce maintenance costs and to ensure a maximum availability time, some upgrade kits are available.

In case of less than optimal air quality to the oil mist detector, the kit may help you limit failing OMD measuring heads, indicated by failure LED No. 14 - negative pressure/airflow too low. It helps you avoid problems with air filters in the measuring head and pressure regulator.

- For longer lasting air filter lifetimes
- Longer Time before Overhaul (TBO)
- Not dependent on on board air quality
- Easy to retrofit

As an option:

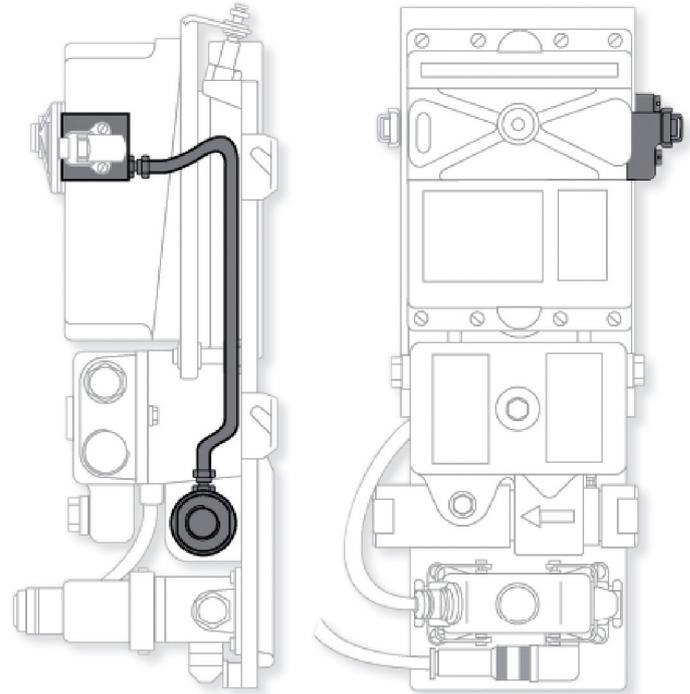
- Automatic de-oiling/-watering



## PRESSURISED AIR SCAVENGING (PART NO. 270412) FOR VISATRON® VN/87 SERIES

By means of an air scavenging system, it is possible to provide air to the scavenging air chambers independent of the ambient air. This option is recommended if ambient air around the engine is/is can be polluted by dust or smoke. The pressurised air scavenging receives the air through the nozzle of the draft pump which is connected with a hose to the special inspection cover on the measuring head. The air flow is regulated by special jets located in the nozzle and inspection cover.

Systems VN/87<sup>plus</sup> and VN/93 are equipped with pressurised air scavenging as a standard, no retrofit necessary.



## MEASURING HEAD HEATING SYSTEM FOR VISATRON® VN/87 SERIES

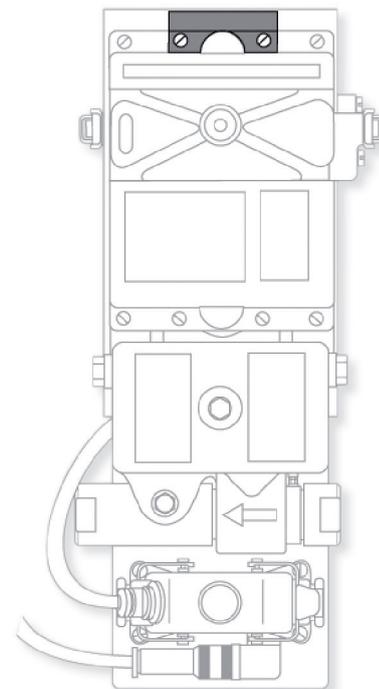
A standard heating element is installed in all the VN/87 series, in the base plate. This heating unit might not be sufficient to cover all cases (cases of extreme humidity in the crankcase, higher water content in the lubricating oil or lower than normal ambient temperatures). The measuring head heating system serves to warm up the top of the measuring head and the crankcase gas flowing through the device, heating the device internally in order to avoid condensation of water, especially in climate zones with high humidity or low temperatures.

Condensation of water may trigger a false high oil mist alarm when small droplets of water are detected by the optical measuring sensors and could cause a shutdown of the engine.

The measuring head heating system will be mounted on top of the measuring head and replaces the heating system in the base plate.

The power supply is connected in the same way as the heating system of the base plate, by means of a plug underneath the main Harting plug on the base plate.

Systems VN/87<sup>plus</sup> and VN/93 are equipped with measuring head heating systems integrated into their housings as standard, no retrofit necessary.





■ **SERVICE PARTNER: CONTACT DETAILS SEE [www.schaller.de](http://www.schaller.de)**



**HEADQUARTER**

**SCHALLER AUTOMATION**

Industrielle Automationstechnik GmbH & Co. KG  
 Industriering 14 · 66440 Blieskastel · Germany

Tel. +49 (0) 68 42 / 5 08 - 0

Fax +49 (0) 68 42 / 5 08 - 260

[info@schaller.de](mailto:info@schaller.de)

**For all Asia:**

Key Account Management Center  
 Schaller Automation Singapore Pte. Ltd.  
 114 Lavender Street  
 #09-93 CT Hub 2  
 Singapore 338729  
 Phone +65 6643 5151 *24/7 Service*  
 Fax +65 6643 5150  
[info@schallersingapore.com](mailto:info@schallersingapore.com)

**For all Americas:**

Key Account Management Center  
 Schaller Automation LP  
 811 Shotgun Road  
 Sunrise, FL 33326  
 United States of America  
 Phone: +1 954 794 1950 ext. 115  
 Mobile: +1 561 289 1495  
 Fax: +1 954 794 1951

**For all Europe, Africa and Middle East:**

Service  
 Schaller Automation, Office Hamburg  
 Admiralitätsstraße 60  
 20459 Hamburg / Germany  
 Phone: +49 (0) 40 / 253 2985 10  
 Fax: +49 (0) 40 / 253 2985 29  
[service.hamburg@schaller.de](mailto:service.hamburg@schaller.de)

for all Key Account Management Centers and Service Partners see: [www.schaller.de](http://www.schaller.de)