

## Maintenance Procedures - 87 & 87plus (VN115, 116 and 215)



**CAUTION!** Maintenance work has to be done when engine is stopped.

Step	Description	Interval (whatever comes first)								See Section	Required Parts / Tools
	Hours,	2.000	4.000	6.000	8.000	10.000	12.000	14.000	16.000		
	or Months	3	6	9	12	15	18	21	24		
1	Check negative pressure in Measuring Head: - under 55 mmWC -> adjust pressure - between 55 mmWC and 65 mmWC -> o. k. - between 65 mmWC and 85 mmWC -> adjust pressure - over 85 mmWC -> check pressure regulator unit	X	X	X	X	X	X	X	X	3.1, Page 31	270532 U-Tube Gauge Kit or 151800 Digital Pressure Gauge compl.  270443 Service Kit Pressure Regulator
2	Clean infrared filters in Measuring Head	X	X	X	X	X	X	X	X	5.2, Page 42	151482 Cleaning Kit
3	Clean fresh air bores in Measuring Head	X	X	X	X	X	X	X	X	5.1, Page 42	
4	Exchange air filters in Measuring Head	X	X	X	X	X	X	X	X	5.3, Page 43	151481 Maintenance Kit
5	Perform functional test with test glass	X	X	X	X	X	X	X	X	7.1, Page 53	270453 Test Plate Kit
6	Exchange air filters in Pressure Regulator Unit		X		X		X		X	5.4, Page 43	151481 Maintenance Kit
7	Exchange filter cartridge (VN115/116/215/87plus)		O		O		O		O	8.4, Page 77	273119 Cartridge for Water separator
8	Clean suction system with compressed air				X				X	3, Pages 31/32	Compressed air
9	Check bellows for cracks and suspensions between Measuring Head and Baseplate				X						
10	check Scavenging air outlet manually (feel free airflow)				X				X		
11	Inspection of entire OMD system								S		<b>Schaller Service</b>
12	Perform functional test of entire OMD system with smoke								S		<b>Schaller Service</b> 151067 Smoke Generator (110V) resp. 150740 (230V)
13	Overhaul complete OMD, incl. exchange bellows and suspension								S		<b>Schaller Service</b> 151482 Cleaning Kit, as per model: VN115 – 151483 VN116 – 151484 VN215 – 151485