

## 4.1. Inspection and maintenance instructions

Interval	Activity
Daily	Visual inspection of generator (error messages) Control of filtration for condensate Check the quality of compressed air
as required, but at the latest every 4,000 h or 1x per year (depending on which arrives first)	Change the filter inserts
Annually or every 4,000 h within the scope of maintenance by the IMT technician	<ol style="list-style-type: none"> <li>1. Control of inlet and outlet pressure</li> <li>2. Adjust the inlet pressure control</li> <li>3. Control pressure dew point and total pressure</li> <li>4. Gas purity measurement</li> <li>5. Reference measurement of gas analysis sensors (reference concentration)</li> <li>6. Replace the gas analysis sensor if required</li> <li>7. Check and adjust the gas adjustment valves</li> <li>8. Leak test of the entire system</li> <li>9. Check the flow rate</li> <li>10. Check the pneumatic switching elements</li> <li>11. Functional check of the entire electrical system</li> <li>12. Check the function of the floating arresters</li> <li>13. Check the condensate outlet for leaks</li> <li>14. Function test of the oxygen generator</li> </ol>
Every 4,000 h at the latest	Disassembly and visual inspection of the valves Replacement of valve cores if necessary
Every 24,000 h at the latest	Replace the valves

Tab. 2: Inspection and maintenance intervals



Maintenance intervals may be shorter in the event of heavy use or ambient conditions which differ from the specified conditions.

## 4.2. Replace the filter elements

The expected service life of the prefilter elements or microfilter elements (0.01 $\mu$ , Ak, 3 $\mu$  or 5 $\mu$ ) is approx. 12 months or 4,000 operating hours if the IMT POC oxygen generator is properly maintained.

The filter elements were selected by INMATEC on the basis of their suitability for operation under challenging conditions. Use of filters other than those supplied by the manufacturer may cause damage not covered by the manufacturer's warranty. Only original INMATEC spare parts may be used. Otherwise, the warranty will be void.