











## Table of preventive maintenance intervals

FREQUENCY*	MAINTENANCE OPERATIONS TO BE PERFORMED	SEE CHAPTER
<b>4 000 H<sup>(1)</sup> or 6 months<sup>(2)</sup></b>	Clean the vacuum lines, the valves and the gauges with alcohol - Dust the electronic boards and the fans - Clean filters (inlet filters, air inlet filter)	 <b>E 60 and E 85</b>
	Partial maintenance of the analyzer cell: Replace analyzer cell filaments and collector. Clean the analyzer cell with alcohol (this cleaning may be necessary in case of general internal contamination creating insulating deposits).	 <b>E 60</b>
<b>8 000 H<sup>(1)</sup> or 1 year<sup>(2)</sup></b>	Sniffer probe filter replacement if used.	 <b>E 80</b>
	Pirani gauge adjustment.	<b>Contact customer service</b>
<b>12 000 H<sup>(1)</sup></b>	Regrease the molecular pump MDP 5011/5006 HDS.	 <b>E 40</b>
	Regrease the turbomolecular pump TMP 5154.	 <b>E 30</b>
	Regrease the ATP 100 pump.	 <b>E 45</b>
<b>16 000 H<sup>(1)</sup> or 2 years<sup>(2)</sup></b>	Recalibration/exchange of the internal calibrated leak.	 <b>E 70</b>
<b>22 000 H<sup>(1)</sup> or 1 year<sup>(3)</sup></b>	Replace the ball bearings and the seals of the molecular pump and turbomolecular pump.	 <b>E 30 and E 40</b>
	Replace the ball bearings and the seal of the ATP 100 pump.	 <b>E 45</b>
	Complete maintenance Dry pump (ACP 20/28)	<b>Contact customer service</b>
<b>500 000 cycles</b>	Clean the valves.	 <b>E 85</b>

- (1) running time  
(2) running time or storage  
(3) storage

\*Service intervals: The service intervals given are for applications and work rates which conform to the normal operating conditions. If the machine is operating under more difficult conditions they can be shortened.