

Turbomolecular pump (ATP 100)

SYMPTOM

ORIGIN / DIAGNOSTIC CONFIRMATION

REMEDY

 **Critical failure**  **Chap. C**
"Error/information indicator and display"

Turbomolecular pump failure

**Turbomolecular pump
overheating**

Check the connections:
unplug and plug the cables
on the P0326 board and
the pump.

NO

Turbomolecular pump
Mechanical hard spot
(does not spin freely by hand)

Contact customer service.

Turbomolecular pump speed

P0326

Switch is in running-in

NO

**The exhaust pressure of
the turbomolecular pump
is not correct (≤ 5 mbar)**

Check the dry pump.


NO

Leaks
on lines, valves, pump or cell

Check the tightness of the
canalisations, valves, pumps
and cell. (alcohol test or use
of another detector).

NO

**Greasing of the ball
bearings turbomolecular
pump to be performed**

Regrease the ball bearings
molecular pump according to
 **E 45.**

Turbomolecular pump (ATP 100)

SYMPTOM	ORIGIN / DIAGNOSTIC CONFIRMATION	REMEDY
<div>Major fault</div> <div>Chap. C</div> <div>Error/information indicator and display</div>		
Turbomolecular pump speed (continued)	<div>Turbomolecular pump</div> <div>Mechanical hard spot (does not spin freely by hand)</div>	Contact customer service.
Check the turbomolecular pump connector	<div>Turbomolecular pump is not connected with molecular pump controller board P0326</div>	Contact customer service.