

# BROOKS® CTI Compressors



Maintaining Cryopumps and Compressors is a necessary step to extending machine uptime and reduce **unscheduled downtime**.

A lack of maintenance may generate unforecasted failures with serious financial consequences.

In order to **optimize performance of your machines** and **avoid these accidents**, Global Technologies is now providing a unique service: **A preventive revision** for all **functional BROOKS®** compressors over 10 years ( > 90 000 hours of usage).

MOST COMMON BROOKS® PRODUCT REFERENCE	
<b>IS 1000 compressors</b>	PN : 8135921G002 PN : 8135926G002
<b>8200 compressors</b>	PN: 8032549G001 PN: 8032549G002 PN: 8032550G001 PN: 8032550G002
<b>9600 compressors</b>	PN: 8135900G001 PN: 8135901G001

**BROOKS® CTI compressors are fully inspected, refurbished and tested to OEM specifications**

**I** ncoming Inspection

- General condition
- Compressor's history checklist: static charge pressure, hours and last date of service
- Technical reviews:
  - current phase of motor consumption
  - Inlet/Outlet water temperature and flow
- Electrical and connectors Tests
- Helium and water leak Test
- Inspection report

**R** ebuilt Process

- Full disassembly
- Parts cleaning with High Pressure washer
- Refurbishment of :
  - Valves (By-pass and Dump)
  - Oil Sections (Mist and Injection)
  - Pressure Gauge and Relief Valve
  - Water connectors
  - Electrical chassis
- Replacement of all O-rings, Helium Absorber

**P** erformance test

- Helium and water leak check
- Test on load:
  - Electrical consumption
  - Cryo cooldown time
  - Compressor cryo capacity
- Performance data record
- Test report
- Special packing / crating

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*Special motor oil for cryogenic usage*  
*Ultrapure Helium 99,999% usage*  
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