

TCH - 595 DEGASSING SYSTEM



The “TCH-595” degassing system automatically performs the following main functions:

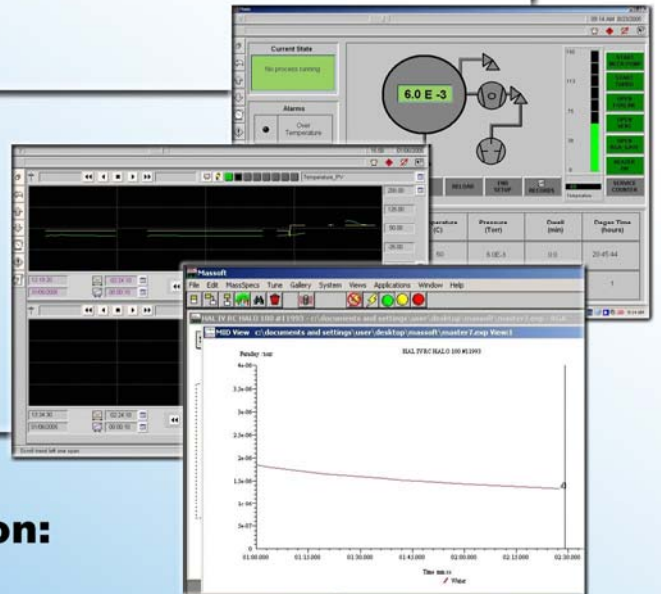
- **Heating the chamber**
- **Pumping down the chamber (reducing the pressure into the chamber below atmosphere pressure)**
- **Monitoring of the outgassing composition with the optional RGA**
- **Venting the chamber - raising the pressure into the vacuum chamber to Atmospheric Pressure**

FEATURES:

- Cylindrical stainless steel vacuum chamber, electropolished with external heaters, for easy cleaning of the internal surface
- The front door, floating mount design
- Four perforated horizontal shelves
- Uniform heating with high/low pressure cycling
- Normally closed roughing valve to save chamber pressure during power failure
- Vent valve used also for purging with Nitrogen or Argon
- Two convenient lateral adjustable arms for monitor and printer installation
- Rack back door is provided for service access
- Two accessories ports are provided for future use
- Three-signal lights tower for alarm conditions, normal functioning or end of process
- Fully PLC automated process, HMI/SCADA monitor and control all the system with graphic pages & database record RGA analyzer for outgases structure monitoring (optional)

Technical Data:

Ultimate pressure:	Less than 2×10^{-7} Torr
Pump Down Time:	6×10^{-6} Torr in 30 min
Frame:	Closed type, aluminum profile
Roughing Vacuum pump:	Two stage, oil sealed nominal pumping speed: 8 m ³ /hrs
Turbo-molecular Vacuum pump:	Nominal pumping speed, N ₂ : 550 l/min Ultimate pressure: 1.5×10^{-10} Torr
Chamber:	500 mm I.D. x 500mm Depth horizontal stainless steel cylinder, 100 liter volume
Number of used shelves:	4
Heating Range:	Up to 110°C and not less than ambient temperature
Dimensions:	1720 mm H (without signal tower) x 800 mm W (without monitor and printer) x 800mm D
Weight:	280 kg



Available configuration:

TCH-595 – Basic version

- Totally dry pumping system with scroll pump and turbomolecular pump
- RGA analyzer for outgases composition monitoring
- Economical model with PLC control
- Low vacuum system with only mechanical vacuum pump, ultimate pressure less than 1×10^{-2} Torr
- Higher temperature – on request
- Other configuration/modifications available on request



Contact



Vacuum Systems Technologies & Services Ltd.
19 Imber St. P.O.B 4137, Petach Tikva 49130
Israel
Tel: +972 (3) 9247712 Fax: +972 (3) 9247711
marketing@vacuumltd.com
www.vacuumltd.com