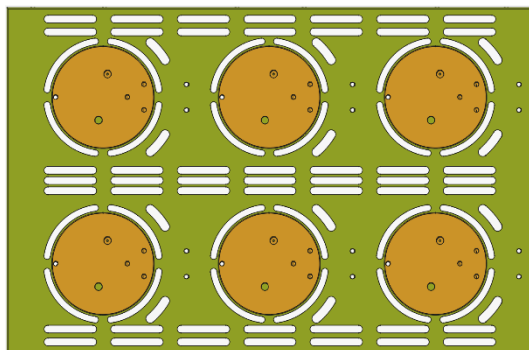




Specification Sheet

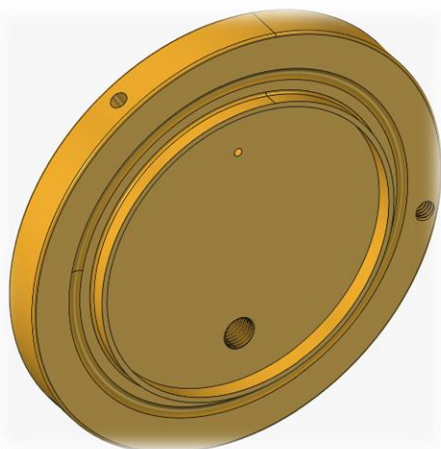


Chamber Volume

The Chromingo VOC6 is equipped with 6 individual extraction chambers, each with an approximate internal volume of 150 mL and internal dimensions of approximately 58 mm diameter × 58 mm height. The compact design supports efficient headspace formation, rapid thermal response, and effective VOC transfer.

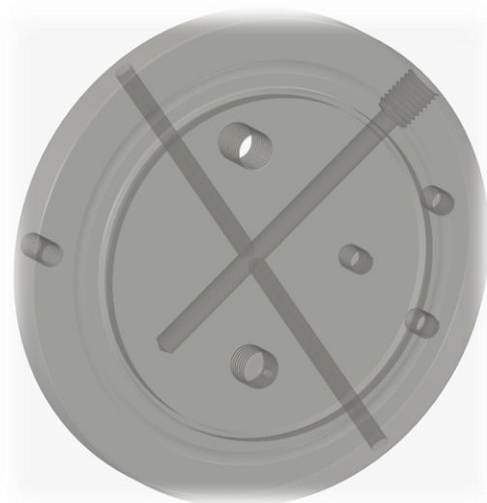
Carrier Gas Flow Path

Carrier gas is introduced individually into each chamber to transport released VOCs from the headspace toward the thermal desorption (TD) tube. The chamber door is manufactured from high-quality inert stainless steel and designed with a short, direct flow path to minimize dead volume and reduce the risk of carryover or residual contamination. Gas pressure is adjustable through the internal regulator up to 0.7 MPa (700 kPa), allowing controlled and consistent VOC transfer during extraction.



Temperature Control

Each of the 6 chambers is independently temperature-monitored, with an adjustable common setpoint up to 250°C. Real-time chamber temperatures are shown simultaneously on the LCD for quick comparison and process monitoring. Temperature is adjusted using the rotary control, while dedicated START and STOP keys provide simple operation. The controller continuously manages each chamber individually to maintain stable heating and protect against abnormal operating conditions.



TD Tube Cooling

The chamber cover incorporates a dedicated internal groove pathway that directs cooling air through the cover body itself. Cooling air is supplied by the internal compressed-air generator, helping reduce heat transfer from the heated chamber toward the TD tube connection. This design helps maintain the TD tube at a lower temperature during extraction, supporting efficient VOC adsorption and minimizing premature desorption.

Over-Temperature Protection	Internal thermal cut-off provides an additional safety layer against abnormal overheating
Thermal Management	Insulated heaters and integrated thermal-isolation grooves around the heated elements help minimize heat transfer to the machine body
Gas Flow Fittings	High-temperature PEEK fittings are used in the gas-flow path to provide chemical inertness, thermal resistance, and low interaction with VOCs
Electrical Protection	Built-in RCBO for enhanced electrical safety and system protection
Electrical Supply	230 VAC, with a maximum electrical load of approximately 11 A
Machine Dimensions	Benchtop design, 284 mm (W) × 462 mm (D) × 297 mm (H)