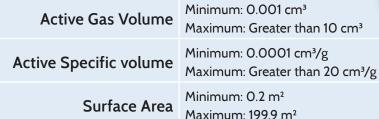
SPECIFICATIONS

ChemiSorb 2720

SAMPLE PARAMETERS



Specific Surface Area

Minimum: 0.02 m²/g

Maximum: Limited only by weighing of sufficiently small sample

Pore Volume Minimum: 0.0001cm³ Maximum: 0.15cm³

Sample Size Up to 1 cm³ diameter x 3 cm³ length

Sample Ports One dedicated sample port and one dedicated analysis port

Active Volume: Depends on injection steps; typically 1 to 2 hours per sample

Throughput Surface Area: Typically 12 minutes per sample

Total Pore Volume: Typically 45 minutes per sample

Preparation Temperature 35 to 400 °C with heating mantle

ACCURACY/ REPRODUCIBILITY

Active Volume	Low and Moderately Low: Typically better than \pm 2% with \pm 0.5% reproducibility High: Typically better than \pm 1.5% with \pm 0.5% reproducibility
Surface Area	Low and Moderately Low: Typically better than \pm 3% with \pm 0.5% reproducibility High: Typically better than \pm 2% with \pm 0.5% reproducibility











SPECIFICATIONS

ChemiSorb 2720

SUPPLIES

Gas	Ammonia, carbon monoxide, hydrogen, nitrous oxide, and oxygen. Mixtures, with helium, of nitrogen, argon, krypton, ethane, n-butane, and other non-corrosive gases. A mixture of 30% N ₂ and 70% He is recommended for single-point analyses. Mixtures of He and approximately 5, 12, 18, and 24% N ₂ are suggested for multi-point use.
Coolant	Liquid nitrogen or argon, solvent slush baths, ice water as appropriate for adsorbate

EXPOSED MATERIALS

Sample Tube	Quartz (Chemisorption); Borosilicate (Physisorption)
Exposed Materials	Stainless steel, borosilicate glass, Buna-N, rhenium passivated tungsten filament, PEEK, teflon, nickel, silicone (septum). Brass and copper for the inert gas paths

ENVIRONMENT

Temperature	15 to 35 °C (59 to 95 °F) operating; O to 50 °C (32 to 122 °F) storing or shipping
Humidity	20 to 80% relative, non-condensing

ELECTRICAL

Voltage	100, 120, 220 or 240 VAC ± 10%
Frequency	50/60 Hz
Power	1.25 A (100/120 VAC) 0.75 A (220/240 VAC)

PHYSICAL

Height	53 cm (20.9 in.)
Width	46.5 cm (18.3 in.)
Depth	30.5 cm (12 in.)
Weight	18 kg (40 lbs)

^{*}Due to continuous improvements, specifications are subject to change without notice.









