# Model SG6130

Hydrocarbon Trap

The Model SG6130 Refillable Hydrocarbon Trap is designed to remove trace levels of organics from carrier gases such as Helium, Argon, Nitrogen, Hydrogen and Air. The Model SG6130 is packed with a baked coconut shell based activated carbon to effectively remove alcohols, aromatics, chlorinated hydrocarbons, ethers, hydrocarbons, ketones, mercaptans, and organic acids.

Service life of these traps will vary depending on the incoming hydrocarbon level in the carrier gas. However it is estimated that 1000 ft^3 (3–4 cylinders) of carrier gas can be purified before the absorbent needs replacing.

Each trap is pre-purged and pressure tested with ultra high purity helium to insure integrity. The all metal construction eliminates potential contamination from outgassing or diffusion (a phenomena commonly associated with plastic body traps).
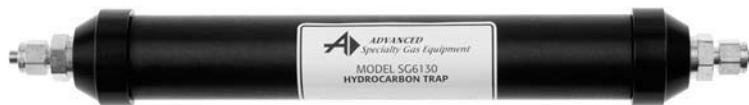
SG6130 Trap

Standard Features

- Sintered Type 316 Stainless Steel Inlet and Outlet Filters protect against adsorbent migration into the down-stream system.
- Pre-purged and Pressure Tested with Ultra-High Purity Helium to insure integrity.

Specifications

Maximum Operating Pressure: 250 psig

Maximum Operating Temperature: 212°F

Efficiency: <20 ppb hydrocarbon reduction

Hydrocarbon Capacity: 22 grams

Trap Volume: 200 cc

Max. Flow Capacity: 35 slpm at 120 psi

Inlet and Outlet Connections: See Table I

Dimensions: 1½" OD x 14" long

Approximate Weight: 1 lb.

Materials of Construction

Body and Caps: Aluminum

Seals: Viton®

Fittings: Brass

Filters (40 micron): Type 316 Stainless Steel

Absorbent Material: Baked Coconut Shell Based Activated Carbon

Table I

Part No.	Inlet and Outlet Connections
SG6130-8	⅛" compression
SG6130-4	¼" compression

Optional Equipment

Equipment	Part No.
Absorbent Refill Kit*	SG6135
Mounting Clip**	MC-3

* Kit contains enough absorbent to refill two traps.

** For secure installation it is recommended that two mounting clips be used for each trap.