

## Super-Clean™ Gas Trapping System for LC/MS

### Quick-change cartridge system for removing hydrocarbon impurities from nitrogen

- Changing filters is quick and easy.
- Up to 20L of hydrocarbon-free nitrogen per minute.

The Super-Clean™ Gas Trapping System is the latest technology in cartridge-style gas filtration for purifying nitrogen, and is ideal for use in LC/MS systems. The two-position base plate (installed in the gas line) allows cartridges to be exchanged without introducing oxygen into the system. Spring-loaded check valves seal when a cartridge is removed and open only when a new cartridge has been locked in place. There is no need for loosening and tightening fittings every time you change cartridges, and your system cannot become contaminated during the changing process.

To meet the high flow needs of the LC/MS system, the activated charcoal-filled cartridges are positioned and connected in parallel. The incoming gas stream is split equally between the cartridges, and the two streams are rejoined after purification but before the gas exits the base plate. This approach allows longer contact between the nitrogen and the adsorbent, ensuring higher gas purity and eliminating a potential source of contaminants to your analyses.

A handy date wheel, included with the system, indicates the cartridge installation date and the recommended replacement date. A special particle filter is included with the high flow base plate to be installed at the gas outlet. This exchangeable particle cup filter has a nominal pore size of 0.5µm and is recommended to be used to help remove potential dust from the charcoal, which could enter into the nebulizer gas stream and possibly damage the LC/MS system.

**Table I** Super-Clean™ Gas Filters provide high-purity outlet gas

Type of filter	Max. Flow	Outlet Gas Quality %	Maximum Pressure	Estimated Lifetime
Hydrocarbon (charcoal)	20L/min.	99.9999%	11 bar/159psi	3 to 6 months

## Super-Clean™ Gas Trapping System for LC/MS

Description	qty.	cat.#
Super-Clean™ Gas-Trapping System (2-position base plate, 2 charcoal filters)	ea.	22062
2-Position Base Plate (1/4" Fittings) for use with hydrocarbon filters (cat.# 22061)	ea.	22060
Replacement Hydrocarbon (Charcoal) Filters	2-pk.	22061



20L of purified nitrogen per minute!



Stephanie Sunner & Tim Herring

### a plus 1 story

"West Coast companies often have to deal with East Coast companies closing by 2:00 pm Pacific time and grumpy people itching to leave. Not so with Restek! When I called at 2:55 pm (Pacific) on a Friday, Stephanie was kind enough to not only answer my questions, but forward me immediately to Tim at technical service so that I could catch him before he left - and then stayed late to help me set up an account. Tim deserves kudos, too, for not only being extremely friendly, but also being able to identify a part with no serial number and a label from a different company! Awesome service!"

**Tim S.**, Research Scientist, a West Coast pharmaceutical company

### also available

#### Looking for a nitrogen generator for your LC/MS?

Restek offers a full line of Parker LC/MS generators. See [page 245](#).

