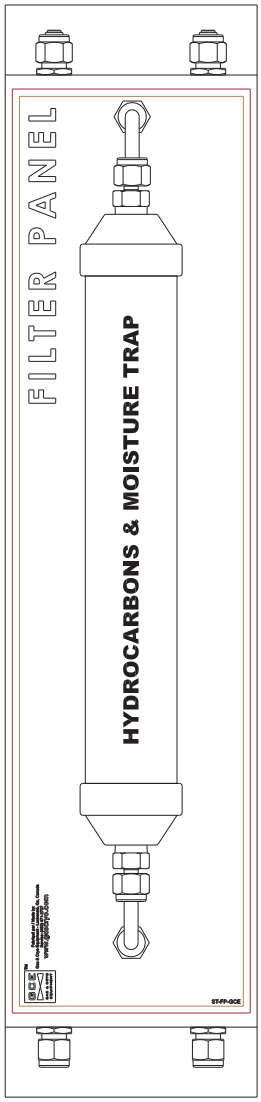
EQUIPMENT CATALOG

Filter Panels

Modular Point-of-use



Helping our customers
to become more effective

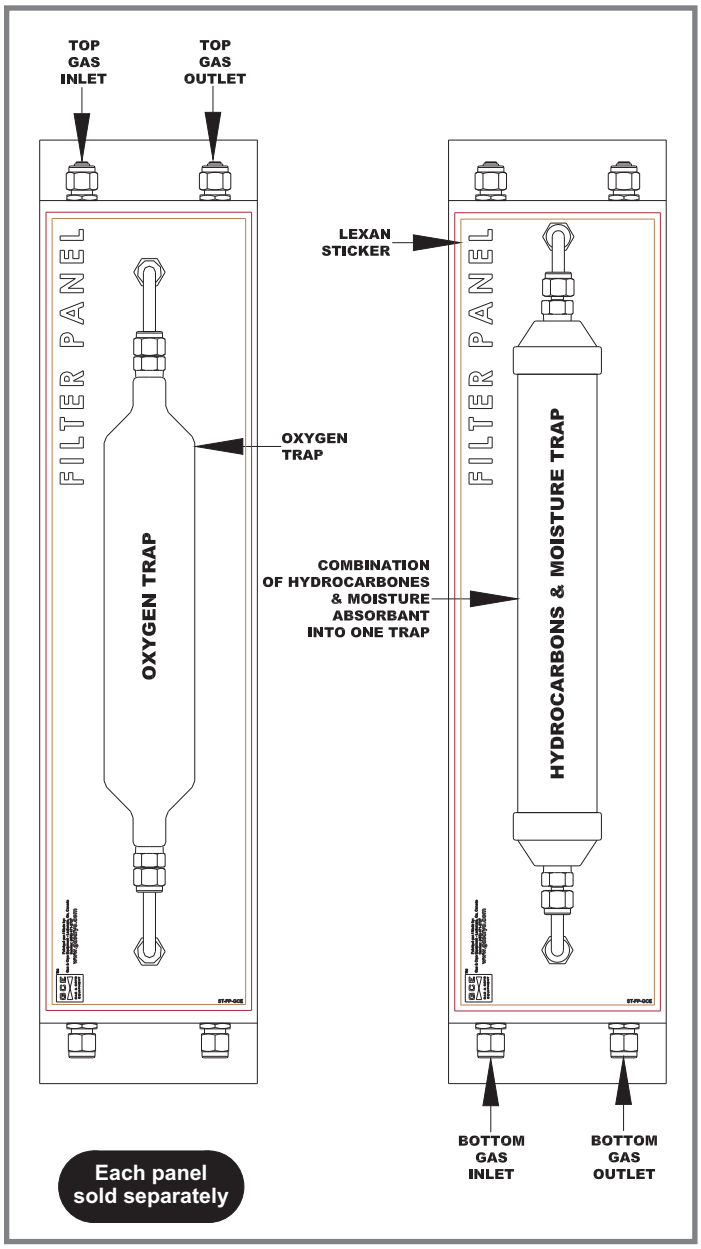
GCE™
GAS & CRYO EQUIPMENT

DESCRIPTION

The FP250 end-of-the-line oxygen traps are designed to remove trace levels of oxygen from carrier gases such as argon, carbon dioxide, carbon monoxide, helium, hydrogen, methane or nitrogen. These are commonly used with gas chromatographs. These panels can be used as a stand-alone panel or can be combined with other regulators all on the same panel.

The FP250 end-of-the-line hydrocarbons and moisture traps are capable of removing oil and moisture to trace levels from air, helium, argon, nitrogen and hydrogen.

The system will accomodate any number of panel sections while allowing for futur expansion. Our systems are designed, cleaned and built to maintain high purity levels.



STANDARD FEATURES

- ❑ Rust-free aluminum mounting panel
- ❑ Each trap is pre-purged and pressure with UHP helium to insure integrity
- ❑ The all-metal construction eliminates potential contamination from outgassing or diffusion
- ❑ Each trap is equipped with sintered type 316 stainless steel inlet and outlet filters to protect against adsorbent migration into the downstream system

INSTALLATION TIP

You can combine several of this regulator panels all together on the same panel . The RP3000 Series regulator panels can also be combined with end-of-the-line purifiers and filters.

Please consult GCE for details

HOW TO ORDER - PART NUMBER MATRIX

FP250	–		–		–	

Basic Series

Typical Fluid

- ❑ Air = Air
- ❑ Nitrogen = N2
- ❑ Helium = He
- ❑ Hydrogen = H2

Other Please Specify

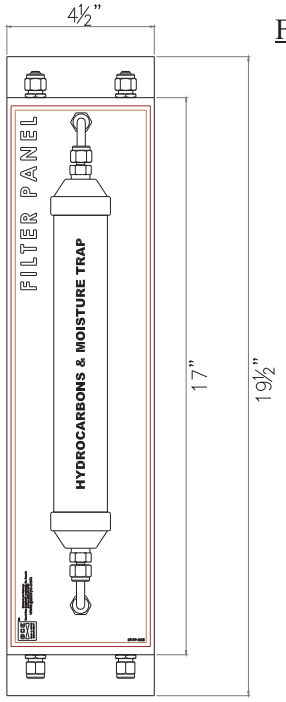
Filter Type

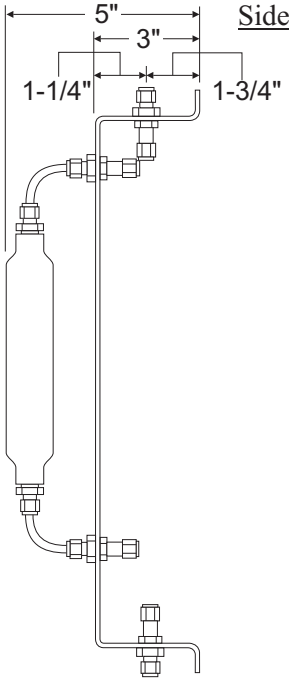
- ❑ Hydrocarbons & moisture trap = HMT
- ❑ Oxygen trap = O2T

Options

- ❑ 1/8" Compression Outlet = 1/8

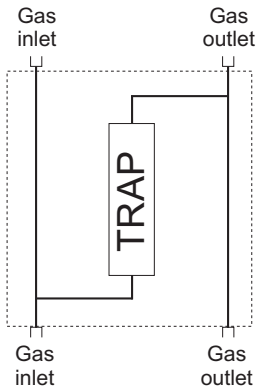
DIMENSIONAL DRAWING





Approximate Dimensions

FLOW SCHEMATIC



STANDARD SPECIFICATIONS

Description	Oxygen trap	Hydrocarbons & moisture trap
Maximum operating pressure	250 psig	250 psig
Efficiency	5 ppb when inlet levels are 10 ppm or less	-
Capacity	300 cc	200 cc
Maximum flow	5 slpm	35 slpm
Inlet & outlet connection	1/4" compression (stainless steel)	1/4" compression (stainless steel)
Molecular sieve type		13X

STANDARD MATERIALS OF CONSTRUCTION

Part Description	Materials of Construction (Wetted Parts Only)
Fittings	Inlet & outlet: stainless steel 316 - Internal & filter: Brass
Tubing	Copper
Enclosure	Aluminum
Particle filter	Stainless steel 316