



MODULAR POINT-OF-USE FILTER PANELS

FP250
SERIES

Description

The FP250 point-of-use 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.

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

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

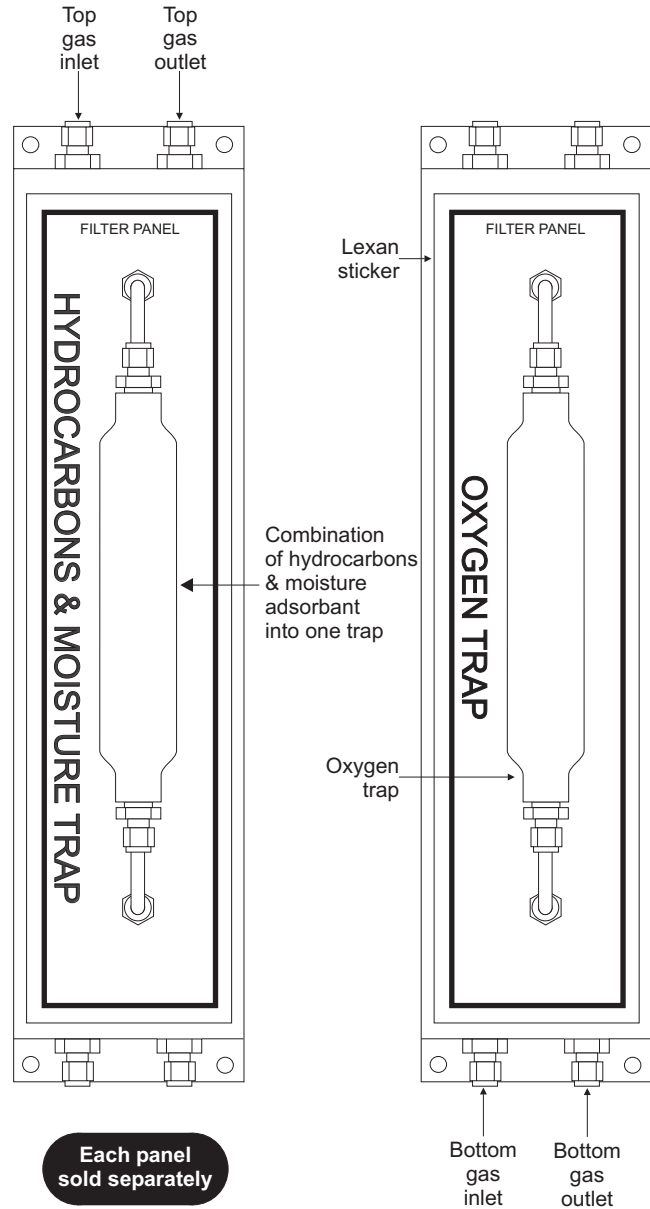
Key Features

- **Rust-free aluminum mounting panel**
- Each trap is pre-purged and pressurized with UHP helium to insure leak 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 these panels one after the other for complete gas filtration. The FP250 modular Series Filter Panels can also be combined with end-of-the-line regulator panels.

Please consult WESTERN for details



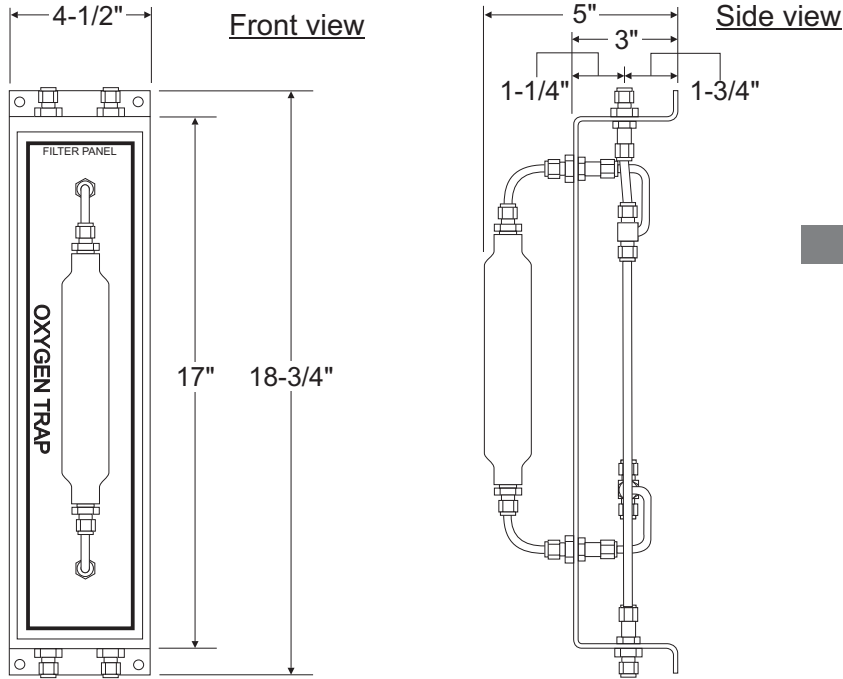
How to order - part number matrix

FP250			
Series	Fluid	Filter type	Options
	<ul style="list-style-type: none"> ■ Air = 2 ■ Nitrogen = 7 ■ Helium = 5 ■ Hydrogen = 6 	<ul style="list-style-type: none"> ■ Hydrocarbons & moisture trap = HMT ■ Oxygen trap = O2T ■ Combo trap = CT 	<ul style="list-style-type: none"> ■ Stainless steel fittings & tubing = SSFT ■ 1/8" compression outlet & inlet = 1/8
	Other please specify		



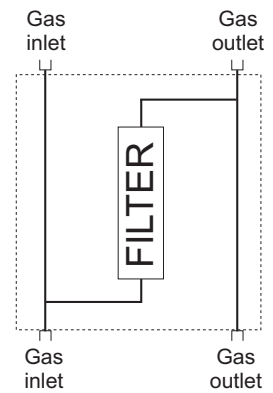
POINT-OF-USE FILTER PANELS FOR HIGH PURITY GASES FP250 SERIES TECHNICAL SPECIFICATIONS

Dimensional drawing



Approximate dimensions

Flow schematic



Specifications

Description	Oxygen trap	Hydrocarbon moisture trap
Maximum operating pressure	250 psig	250 psig
Efficiency	5 ppb when inlet levels are 10 ppm or less	-
Capacity	260 cm ³	-
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

Fittings	Inlet & outlet: stainless steel 316 - Internal & filter: brass
Tubing	Copper
Enclosure mounting panel	Aluminum
Particle filter	Stainless steel 316