

GC Supplies

Oxygen Traps/Hydrocarbon Traps

Indicating Oxygen Trap

- Reduces oxygen to less than 1 ppb
- Environmentally safe



This trap actually removes the oxygen rather than converting it to another form of contamination.

Oxygen and a wide range of oxides react with the activated bed material to

form a manganese oxide. This reaction results in a progressive and dramatic color change, from light green in the adsorbent's active state to deep brown as oxygen saturation occurs. The indicating oxygen trap is designed to be used in conjunction with any of our high capacity, non-indicating oxygen traps. When properly installed downstream from the non-indicating trap, the indicating oxygen trap provides a visual indication of oxygen breakthrough BEFORE contamination reaches sensitive system components.

Unlike adsorbent materials utilized in competitive products, our indicating media can be exposed to air and water in virtually any quantity without resulting in an exothermic reaction. The spent product is nontoxic, nonhazardous, nonflammable, and nonreactive. The high impact Lexan shield prevents "lab catastrophes" if the trap is exposed to pressure beyond its stated pressure limit. Safe for land-fill refuse.

Indicating Oxygen Traps (IOT and LIOT Series)

| Cat. No. | Size (cc) | Fitting (in.) | Removal Capacity (mg) | Performance (ppb) |
|----------|-----------|---------------|-----------------------|-------------------|
| IOT-2-HP | 30 | 1/8 | 30.0 | 2 |
| IOT-4-HP | 30 | 1/4 | 30.0 | 2 |
| LIOT-2 | 150 | 1/8 | 100.0 | 1 |
| LIOT-4 | 150 | 1/4 | 100.0 | 1 |

Economy Non-Indicating Oxygen Traps (OT1 Series)

| Cat. No. | Size (cc) | Fitting (in.) | Removal Capacity (mg) | Performance (ppb) |
|----------|-----------|---------------|-----------------------|-------------------|
| OT1-2 | 70 | 1/8 | - | - |
| OT1-4 | 70 | 1/4 | - | - |

Mounting Brackets for Oxygen Traps

| Cat. No. | Description |
|----------|------------------------------|
| UMC-2 | Mounting clip for IOT traps |
| UMC-3 | Mounting clip for LIOT traps |
| MC-1 | Mounting clip for OT1 traps |



Big Oxygen Traps

- Ideal when several instruments are plumbed from a single gas source
- One piece of heavy-walled aluminum tube design eliminates potential leaks
- Equipped with sintered SS frits to prevent particulate contamination
- Up to 250 psi

Big Oxygen Traps (BOT Series)

| Cat. No. | Size (cc) | Fitting (in.) | Removal Capacity (mg) | Performance (ppb) |
|----------|-----------|---------------|-----------------------|-------------------|
| BOT-2 | 750 | 1/8 | 3400 | 1 |
| BOT-4 | 750 | 1/4 | 3400 | 1 |

Mounting Bracket for Big Traps

| Cat. No. | Description |
|----------|-------------------------|
| UMC-5-2 | Big mounting clip, 2/pk |

Big Trap Dimensions:

Length: 17"
Diameter: 2 3/8"

Hydrocarbon Traps

- Remove organics from carrier gases, air and hydrogen
- Impregnated carbon filter media
- Refillable

Hydrocarbon Traps (HT200 Series)

| Cat. No. | Description | Fitting |
|----------|-------------------------|---------|
| HT200-2 | Hydrocarbon trap, 200cc | 1/8" |
| HT200-4 | Hydrocarbon trap, 200cc | 1/4" |

Capillary Grade Hydrocarbon Traps (HT3 Series)

Purged with ultra high purity helium

| Cat. No. | Description | Fitting |
|----------|-------------------------|---------|
| HT3-2 | Hydrocarbon trap, 100cc | 1/8" |
| HT3-4 | Hydrocarbon trap, 100cc | 1/4" |

High Pressure SS Hydrocarbon Traps

Constructed from seamless 316 stainless steel, rated to 4000 psi.

| Cat. No. | Description | Fitting |
|----------|----------------------------|---------|
| HT-2-SS | SS Hydrocarbon trap, 200cc | 1/8" |
| HT-4-SS | SS Hydrocarbon trap, 200cc | 1/4" |

Adsorbent Refill and Mounting Bracket for Hydrocarbon Traps

| Cat. No. | Description |
|----------|-------------------------------------|
| ACR | Adsorbent refill, 1 pint |
| MC-1 | Mounting clip for hydrocarbon traps |

