

SG6180 Series

Indicating Moisture Traps

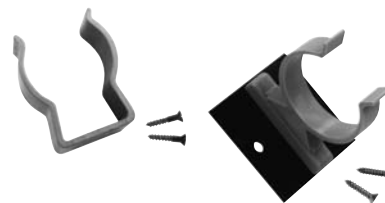
These traps consist of a transparent polycarbonate body filled with adsorbent material. They are designed to remove oil, moisture and other contaminants from gas streams while providing a visual indication of the adsorbent's condition.

These traps are available in two refillable sizes and a choice of two adsorbents:

- **Type 5A Molecular Sieve with Indicating Drierite** for removing moisture, oil and hydrogen sulfide. When the Drierite changes from blue to pink, the material requires replacement.
- **Type 13X Molecular Sieve Mixed with Type 4A Indicating Molecular Sieve** for removing moisture and oil. When the adsorbent changes from blue to buff, the material requires replacement.

In addition, the housings may be ordered empty and filled with other types of molecular sieves. For more information on Molecular Sieves, see pages 170–177.

Warning: Do not use these traps with Oxygen, hydrocarbons or solvents which attack polycarbonate.



MC-1 & MC-4 Optional Mounting Clips



SG6181 Trap

Standard Features

- Transparent Polycarbonate Tube more inert and resistant to infusion than acrylic, permits quick observation of the adsorbent's condition.
- Sintered Type 316 Stainless Steel Inlet and Outlet Filters retain the adsorbent within the column.
- All units are pressure tested with Helium.

Fittings: Brass
 Filters, 40 micron:
 Type 316 Stainless Steel
 Adsorbent Material: See Table I

Specifications

Maximum Operating Pressure:
 125 psig at 70°F

Maximum Operating Temperature: 110°F

Efficiency:
 SG6180 & SG6182: <20 ppb
 SG6181 & SG6183: <15 ppb
 (with inlet levels of 30 ppm or less)

Water Capacity:
 SG6180 & SG6182: 36 grams
 SG6181 & SG6183: 72 grams

Trap Volume:
 SG6180, SG6182 & SG6183: 200 cc
 SG6181, SG6183 & SG6185: 400 cc

Maximum Flow Capacity:
 90 slpm at 125 psi inlet

Inlet and Outlet Connections:
 1/4" compression (standard)
 1/8" compression fittings available on special order

Approximate Weight: 2 lbs

Table I

Size	Part Number Type 5A Molecular Sieve with Indicating Drierite	Part Number Type 13X with 4A Indicating Molecular Sieve	Part Number No Adsorbent
1 1/2" OD x 13" long	SG6180	SG6182	SG6184
1 3/4" OD x 17" long	SG6181	SG6183	SG6185

Optional Equipment

Equipment	Part No.
Adsorbent Refill Kit Type 5A with Drierite	SG6186*
Type 13X with 4A Indicating	SG6187**
Mounting Clip with Screws For Models SG6180, SG6182, SG6184 (2 required)	MC-1
For Models SG6181, SG6183, SG6185 (2 required)	MC-4
Replacement O-Rings (2 required) For Models SG6180, SG6182 and SG6184	0202-3207
For Models SG6181, SG6183 and SG6185	0202-3208
Tube Reducer (2 required) brass*** 1/8" compression x 1/4" OD tube for inlet/outlet	0202-5100

* Kit contains enough adsorbent to refill either two SG6180 traps or one SG6181 traps.

** Kit contains enough adsorbent to refill either two SG6182 traps or one SG6183 traps.

*** If selected these items are not installed on the trap. They are shipped as separate items.

Materials of Construction

Tube: Lexan® Polycarbonate Plastic
 End Caps: Aluminum
 Seals: Viton®