



# CHROMATOGRAPHIC SPECIALTIES INC.

## CHROMSPEC™ Compressed Gas Purifiers

CHROMSPEC™ moisture traps utilize polycarbonate bodies, more inert and resistant to infusion than the acrylic used by other manufacturers. These traps are refillable and available in three sizes with three different adsorbent combinations. The ends are provided with Swagelok™ tube fittings. Each end fitting includes a 40 micron sintered stainless steel frit. Maximum pressure is 125 psi.

### Specifications / Ordering Information:

#### Molecular Sieves 13X and Indicating 4A

The adsorbents most commonly employed for gas drying in gas chromatography. The indicating 4A changes from blue to tan at 20% relative humidity.

Size	End Fitting	Capacity	Efficiency	Product Number
120cc	1/8"	22gm	<25ppb	C36000
120cc	1/4"	22gm	<25ppb	C36005
200cc	1/8"	36gm	<20ppb	C36010
200cc	1/4"	36gm	<20ppb	C36015
400cc	1/8"	72gm	<15ppb	C36035
400cc	1/4"	72gm	<15ppb	C36040
Moisture Trap Refill - 1 pint				C36030
Moisture Trap Refill - 1 /2 gallon				C36034
Moisture Trap Refill - 1 gallon				C36129



#### Glass Bodied Indicating Moisture Trap

CHROMSPEC™ glass moisture traps are impervious to the infusion and outgassing of contaminants sometimes associated with plastic bodied traps.

These are the best moisture traps available for use on carrier gas lines in gas chromatography and GC/MS, as well as other applications where high integrity moisture removal is desired. The glass moisture trap is filled with molecular sieve 13X and incorporates a band of indicating molecular sieve 4A. Each nickel plated Swagelok™ end fitting includes a 40 micron stainless steel frit.

Glass Bodied Indicating Moisture Trap			Maximum Pressure	125psi
Size	End Fitting	Capacity	Efficiency	Product Number
100cc Glass Indicating Moisture Trap	1/8"	16gm	<10ppb	C36160
100cc Glass Indicating Moisture Trap	1/4"	16gm	<10ppb	C36165
250cc Glass Indicating Moisture Trap	1/8"	40gm	<10ppb	C36167
250cc Glass Indicating Moisture Trap	1/4"	40gm	<10ppb	C36168



### Indicating Oxygen Trap

These glass-bodied traps utilize a nonhazardous material that reduces oxygen levels to less than 1 ppb. This indicating adsorbent changes color from a light green to deep brown as it adsorbs oxygen. Either of these traps is ideal as an indicator installed downstream of the CHROMSPEC™ Oxygen/Moisture trap.

This allows high capacity removal of oxygen with the benefit of an indicator to alert the user of saturation of the primary trap. End fittings are nickel plated Swagelok™ with 40 micron stainless steel frits.

Indicating Oxygen Trap			Maximum Pressure	100psi
Size	End Fitting	Capacity	Efficiency	Product Number
Standard	1/8"	50gm	<1ppb	C36070
High Capacity	1/4"	150gm	<1ppb	C36071
High Capacity	1/4"	150gm	<1ppb	C36072



### High Capacity, Non-indicating Moisture Trap

This high capacity, refillable model contains 750cc of molecular sieve 13X. The trap body is one piece spun aluminum. Each Swagelok™ end fitting includes a 40 micron stainless steel frit.

High Capacity, Non-indicating Moisture Trap			Maximum Pressure	250psi
Size	End Fitting	Capacity	Efficiency	Product Number
High Capacity Moisture Trap, 750 cc	1/8"	130gm	<5ppb	C36086
High Capacity Moisture Trap, 750 cc	1/4"	130gm	<5ppb	C36088



### Hydrocarbon & Hydrocarbon Moisture Traps

CHROMSPEC™ hydrocarbon traps utilize a very high surface area activated carbon. These refillable traps are available in several configurations.

The standard model contains 200cc of filtering medium. For highly critical applications such as carrier gas lines in gas chromatography and GC/MS we offer 100cc and 750cc units that feature one piece spun aluminum bodies and are helium purged prior to shipment. Each Swagelok™ end fitting includes a 40 micron stainless steel frit.

Hydrocarbon/Moisture Traps are refillable, 200cc that contain a mixed bed of activated carbon and molecular sieve 13X for the simultaneous removal of hydrocarbons and moisture. Each Swagelok™ end fitting includes a 40 micron stainless steel frit.



Indicating Oxygen Trap			Maximum Pressure	100psi
Size	End Fitting	Capacity	Efficiency	Product Number
200cc Hydrocarbon Trap	1/8"	22gm	<20ppb	C36100
200cc Hydrocarbon Trap	1/4"	22gm	<20ppb	C36105
100cc Hydrocarbon Trap, GC Grade	1/8"	11gm	<20ppb	C36107
100cc Hydrocarbon Trap, GC Grade	1/4"	11gm	<20ppb	C36109
750cc Hydrocarbon Trap	1/8"	80gm	<20ppb	C36090
750cc Hydrocarbon Trap	1/4"	80gm	<20ppb	C36092
200cc Hydrocarbon/Moisture Trap	1/8"	11gm HC / 14gm H <sub>2</sub> O	<20ppb	C36120
200cc Hydrocarbon/Moisture Trap	1/4"	11gm HC / 14gm H <sub>2</sub> O	<20ppb	C36125

# CHROMSPEC™ Indicating Moisture Traps

## Molecular Sieves 5A and Indicating Drierite™

The mixture will remove oil and hydrogen sulfide as well as moisture. The indicating Drierite™ changes from blue to pink as relative humidity approaches 40%.

Size	End Fitting	Capacity	Efficiency	Product Number
400cc	1/8"	72gm	<17ppb	C36035D
Moisture Trap Refill - 1pint				C36127

## Mounting Clips for moisture traps

Description	Product Number
Mounting Clip for 120cc and 200cc Traps (2 Recommended)	C36079
Mounting Clip for 400cc Traps (2 Recommended)	C36080
Mounting Clip for High Capacity Moisture Trap (2 recommended)	C36194