

Gas Purifiers

Gas In-Line Traps



061P-7011



061P-7031



061P-7051



061P-7081



061P-7101



061P-7121

Moisture Traps

Moisture trap in acrylic tube removes moisture, oil, and dust from gas. It consists of a clear acrylic tube containing molecular sieve 5A and indicating Drierite® which changes color from blue to pink. The trap's o-ring design allows hand-removal of the cartridge without disconnecting the fittings from the line. Available in 400cc total volume. Maximum pressure is 100 psig. It measures 2¼"x17". A refill kit also available.

Safe-Glass Moisture trap contains molecular sieve 5A and indicating Drierite® packed in glass which is enclosed in a safety plastic tube in the event the glass breaks. Designed for use with ELCD and ECD that require high-purity gases in which moisture and contamination are a problem. Maximum pressure is 100 psig. It measures 1½"x10¼".

CoFree™ Moisture trap contains molecular sieve 5A and cobalt free CoFree™ indicator in a clear acrylic tube. The CoFree changes from yellow to green at low relative humidity. It can also be used to purify hydrogen in flame ionization detectors. Available in 400cc total volume. Maximum pressure is 100 psig. It measures 2¼"x17".

Hydrocarbon Traps

Hydrocarbon trap removes gaseous hydrocarbons from carrier gas supply or fuel gas to FID to minimize noise and extraneous peaks in the signal. It consists of high-pressure metal cylinder filled with 500cc of activated charcoal. Highest efficiency is obtained using flow rates below 500 cc/min. Frits at the end prevent any particles from entering the gas stream. The trap is delivered filled with helium; it should be purged before use. Maximum pressure is 1000 psig. It measures 2"x14".

Oxygen Traps

Oxygen trap has a capacity of 2.5 liters of oxygen at room temperature. It consists of high-pressure metal cylinder filled with 500 cc of active oxygen adsorbent. It is also effective for removing sulphur compounds such as hydrogen sulfide and mercaptans. This oxygen trap is for use with non-oxidizing gases such as; He, Ar, N₂, and CH₄ containing less than 1% oxygen. Oxygen removal to below 70 ppb using normal GC flow rates. The catalyst is a copper-based material that forms copper oxide in the presence of oxygen; no gas is produced from this reaction. The trap is delivered active purged with helium. Maximum pressure 1000 psig. It measures 2"x14".

Indicating Oxygen trap has a capacity of 40 cc of pure oxygen. It is recommended that the trap be used downstream of the high capacity oxygen trap. It turns from green to gray when adsorption capacity is depleted. The trap is shipped in the active state purged with hydrogen. Maximum pressure is 100 psig. It measures 1½"x10¼".

Ordering Information

Description	QTY	Part No.
Moisture trap		
Moisture trap, 400cc, 1/8" Fitting	1	061P-7011
Moisture trap, 400cc, 1/4" Fitting	1	061P-7021
Safe-Glass Moisture trap, 1/8" Fitting	1	061P-7031
Safe-Glass Moisture trap, 1/4" Fitting	1	061P-7041
CoFree™ Moisture trap, 1/8" Fitting	1	061P-7051
CoFree™ Moisture trap, 1/4" Fitting	1	061P-7061
Refill Kit, 800cc	1	061P-7071
Hydrocarbon trap		
Hydrocarbon trap, 1/8" Fitting	1	061P-7081
Hydrocarbon trap, 1/4" Fitting	1	061P-7091
Oxygen trap		
Oxygen trap, 1/8" Fitting	1	061P-7101
Oxygen trap, 1/4" Fitting	1	061P-7111
Indicating Oxygen trap, 1/8" Fitting	1	061P-7121
Indicating Oxygen trap, 1/4" Fitting	1	061P-7131