

Moisture Traps

The 580-1800 Series traps are designed for use in high purity gas systems to prevent the possible introduction of moisture into the instrumentation carrier gases. The trap has a maximum flow rate of 70 lpm air at 100 psig.



Materials and Specifications

Tube

Polycarbonate

Seals

Buna-N

Filters

316 stainless steel

Maximum Operating Pressure

125 psig (8.62 bar)

Stock Number	End Fittings	Removal Capacity (H ₂ O)	Catalyst
580-1805	1/8" Brass Tube	36.0 grams (H ₂ O < 18 ppb)	13X Mole Sieve
580-1806	1/4" Brass Tube	36.0 grams (H ₂ O < 18 ppb)	13X Mole Sieve
580-1807	1/8" Brass Tube	72.0 grams (H ₂ O < 14 ppb)	13X Mole Sieve
580-1808	1/4" Brass Tube	72.0 grams (H ₂ O < 14 ppb)	13X Mole Sieve
580-1800	Refill (1) 580-1807/1808	N/A	13X Mole Sieve

Hydrocarbon Traps

The 580-1900 Series hydrocarbon traps are designed to remove organic compounds from carrier gases, air, and hydrogen. These high capacity traps contain 200cc of carbon impregnated filter media. Excellent efficiencies are achieved for the removal of the following; acetone, any acetate dissolved in oil, isopropyl alcohol, mercaptans and organic acids, as some examples.



Materials and Specifications

Tube

Aluminum

Seals

Buna-N

Filters

316 stainless steel

Maximum Operating Pressure

125 psig (8.62 bar)

Stock Number	End Fittings	Removal Capacity (H ₂ O)	Catalyst
580-1903	1/8" Brass Tube	30 grams (C4 Hydrocarbons < 15 ppb)	Activated Carbon
580-1904	1/4" Brass Tube	30 grams (C4 Hydrocarbons < 15 ppb)	Activated Carbon
580-1900	Refill (1) 580-1903/1904	N/A	Activated Carbon

Oxygen Traps

The 580-1600 Series oxygen traps contain highly active, metal-containing inert reagents capable of reducing the oxygen content in a gas stream to less than 15 ppb. These traps have the added advantage of being able to remove up to 2 grams of moisture with no effect on oxygen capacity. Typical applications involve but are not exclusive to; nitrogen, helium, argon, carbon dioxide and low boiling point aromatics such as benzene, toluene and alkyl benzene's for oxygen cleaner gases.



Materials and Specifications

Tube

Aluminum

Seals

Buna-N

Filters

316 stainless steel

Maximum Operating Pressure

125 psig (8.62 bar)

Stock Number	End Fittings	Removal Capacity (O ₂)	Catalyst
580-1602	1/8" Brass Tube	600 mg (O ₂ < 15 ppb)	Activated Metal
580-1604	1/4" Brass Tube	600 mg (O ₂ < 15 ppb)	Activated Metal

Indicating Oxygen Traps

The 580-1600 Series indicating oxygen traps contain highly active, metal-containing inert reagents capable of reducing the oxygen content in a gas stream to less than 2 ppb. As the metal is oxidized, it changes color, indicating the presence of oxygen. Typical applications involve but are not exclusive to; nitrogen, helium, argon, carbon dioxide and low boiling point aromatics such as benzene, toluene and alkyl benzene's for oxygen cleaner gases.



Materials and Specifications

Tube

Aluminum

Seals

Buna-N

Filters

316 stainless steel

Maximum Operating Pressure

125 psig (8.62 bar)

Stock Number	End Fittings	Removal Capacity (O ₂)	Catalyst
580-1608	1/8" Brass Tube	30 mg (O ₂ < 2 ppb)	Activated Metal
580-1609	1/4" Brass Tube	30 mg (O ₂ < 2 ppb)	Activated Metal