Traps

Moisture

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	316L Stainless steel
Max Operating Pressure	125 PSIG (8 BAR)

Hydrocarbon

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 the removal of the following: Acetone, any Acetate dissolved in oil, Isopropyl Alcohol, Mercaptans and organic acids, as some examples.

Materials and Specifications

Tube	Polycarbonate
Seals	Buna-N
Filters	316L Stainless steel
Max Operating Pressure	125 PSIG (8 BAR)

Oxygen

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 can remove up to 2 grams of moisture with no affect 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	316L Stainless steel
Max Operating Pressure	125 PSIG (8 BAR)

Indicating O_2

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	Glass
Seals	Buna-N
Filters	316L Stainless steel
Max Operating Pressure	100 PSIG (7 BAR)

Ordering Information

Moisture Traps	End Fittings	Removal Capacity (H_2O)	Catalyst
580 1805	1/8" Brass tube fitting	36.0 grams (H_2O < 18 ppb)	13X mole sieve
580 1806	1/4" Brass tube fitting	36.0 grams (H_2O < 18 ppb)	13X mole sieve
580 1807	1/8" Brass tube fitting	72.0 grams (H_2O < 14 ppb)	13X mole sieve
580 1808	1/4" Brass tube fitting	72.0 grams (H_2O < 14 ppb)	13X mole sieve
580 1800	Refill (1) 580 1807/1808	N/A	13X mole sieve
Hydrocarbon Traps	**End Fittings**	**Removal Capacity (C_4)**	**Catalyst**
580 1903	1/8" Brass tube fitting	30 grams (C_4 Hydrocarbons < 15 ppb)	Activated carbon
580 1904	1/4" Brass tube fitting	30 grams (C_4 Hydrocarbons < 15 ppb)	Activated carbon

Oxygen Traps	End Fittings	Removal Capacity (O_2)	Catalyst
580 1602	1/8" Brass tube fitting	600 mg (O_2 < 15 ppb)	Activated metal
580 1604	1/4" Brass tube fitting	600 mg (O_2 < 15 ppb)	Activated metal
Indicating Oxygen Traps	**End Fittings**	**Removal Capacity (O_2)**	**Catalyst**
580 1608	1/8" Brass tube fitting	30 mg (O_2 < 2 ppb)	Activated metal
580 1609	1/4" Brass tube fitting	30 mg (O_2 < 2 ppb)	Activated metal