

Indicating Moisture Trap



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- Reduces water to less than 10 ppb. Indicator changes from yellowish green to blue at 5% relative humidity (suitable for general use).
- Pre-purged for fast stabilization.
- Reduces noise from high-sensitivity detectors.
- Heavy-walled glass body prevents oxygen and water infusion.
- 10 µm frit prevents microparticulate damage to needle valves and flow controllers.
- Maximum operating pressure: 100 psi (689 kPa).

Instruction Sheets



Select a Product

Catalog #	Fittings	Dimensions	Units	
22014	1/8" Brass	13" x 2" (33 x 5.1 cm)	ea.	Select
22015	1/4" Brass	13" x 2" (33 x 5.1 cm)	ea.	Select
23806	1/8" Stainless Steel	13" x 1.5" (33 x 3.8 cm)	ea.	Select
23807	1/4" Stainless Steel	13" x 1.5" (33 x 3.8 cm)	ea.	Select

Showing 1 to 4 of 4

Description

Moisture capacity: 6 g of water

Maximum flow: 1 L/min

Specifications for In-Line Filters

Type of Filter	Maximum Pressure	Maximum Flow Rates	Use for:	Indicator Color Change	-----Capacity-----				Estimated Lifetime (years)
					H ₂ O (g)	O ₂ (mL)	Hydrocarbons (g) (as <i>n</i> -butane)	Carbon Dioxide (g)	
Oxygen cat.# 22010, 22011, 23804, 23805	6.9 bar/100 psi	2 SLPM	Inert carrier gas, He, N ₂ , H ₂ , Ar	Green to Grey	—	45	NA	NA	>1
Moisture cat.# 22014, 22015, 23806, 23807	6.9 bar/100 psi	2 SLPM	Inert carrier gas, He, N ₂ , H ₂ , Ar, Air	Yellowish Green to Blue	6	—	—	—	>1
Carrier Gas cat.# 23808, 23809, 23810, 23811	6.9 bar/100 psi	400 mL/min	Inert carrier gas, He, N ₂ , H ₂ , Ar	2 indicators: Blue to Brown (moisture); Green to Gray (oxygen)	1.4	80	1	—	>1
Detector Gas cat.# 23812, 23813, 23814, 23815	6.9 bar/100 psi	2 SLPM	Inert carrier gas, He, N ₂ , H ₂ , Ar, Air	Yellowish Green to Blue	3	—	2	—	>1
CO ₂ cat.# 23816, 23817, 23818, 23819	68.9 bar/1000 psi	1300 cc/min	He, N ₂ , H ₂ , Ar, Air	NA	—	—	—	19	>1

Indicating Moisture Trap

WARNINGS

Maximum pressure 6.9 bar/690 kPa (100 psig). Wear eye protection and use caution when working with pressurized systems.

Contains molecular sieve, which may become very hot in contact with liquid water.

Do not use with liquids.

Do not expose the protective outer plastic tube to solvents.

Do not use without the protective, outer plastic tube in place.

Special precautions might be required when using hydrogen or hazardous gases. Consult local regulations and your company's safety procedures.



Product Information

- Reduces water to less than 10 ppb. Indicator changes from yellowish green to blue at 5% relative humidity (suitable for general use).
- Pre-purged with helium for fast stabilization.
- Reduces noise from high-sensitivity detectors.
- Heavy-walled glass body prevents oxygen and water infusion.
- 10 µm frit prevents microparticulate damage to needle valves and flow controllers.
- Maximum operating pressure: 100 psi (689 kPa).
- Maximum flow rate: 2 SLPM

Installation

The Indicating Moisture Trap is delivered pre-purged with helium. Before operating any instruments, it should be purged with the gas you will be using. When connecting to a gas line, use two wrenches at each coupling. Tightening the fittings by holding the trap while torquing the nut or using the wrenches on opposite ends of the trap, can break the glass.

It is generally best practice to mount any gas filter in a vertical orientation to ensure optimal bed packing.

Warning: If you are using hydrogen or hazardous gas, additional special procedures may be needed. Consult your company's safety procedures.



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