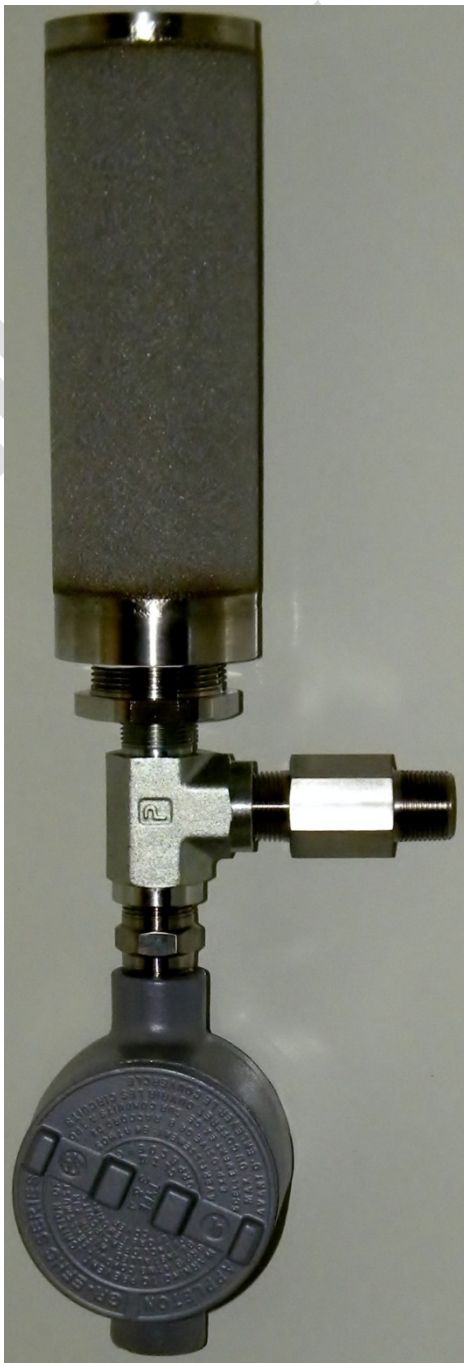
MTI

Fugitive Emissions Eliminator

TRACErase™

P/N 1211-021TCJ-120



Applications

Chemical Processing & Manufacturing Facilities

Gas Processing Facilities

Refineries

Transportation Pipelines

Specifications

Dimensions:
13” high
3” diameter
(19” h with junction box; junction box 3.75” diameter)

Weight:
10 pounds
(4.5 kilograms)

Flow Rate:
1 liter / minute
(0.035 scfm)
(750 btu / hour maximum)

Back Pressure:
nil

Power Consumption:
100 watts (max)
(110/120 vac, 50/60 hz)

End Products:
Water Vapor, CO_2

Most chemical and gas processing plants and transportation pipelines require the use of chemical analysis instrumentation. These instruments require a stable outlet vent pressure referenced to atmospheric pressure for proper operation. This reference may be achieved by venting the sample to atmosphere. These vented samples, called fugitive emissions, are air pollutants and contribute to worldwide pollution problems.

The focus of *TRACErase™* technology is the use of a catalytic combustion process to oxidize vented samples while maintaining an atmospheric pressure reference. The TRACErase™ Hydrocarbon Emission Eliminator utilizes a continuous heat source to allow effective oxidation of intermittent fugitive emission streams as well as continuous source streams.

In hazardous locations, the *TRACErase™* unit is approved by the Canadian Standards Association for Class 1, Division 1, Group B, C, and D, TB3 classification.

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Analytical Instrumentation

MTI Analytical Technology

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TRACErase™ Hydrocarbon Emission Eliminator Specifications *(ver 1706)*

PART NUMBER: 1211-021TCJ-120 (Patent #5,846,504)

BACKPRESSURE: Nil @ 1 liter/minute (<0.1" H_2O @ 3 liters/minute)

HYDROCARBON EMISSION PRODUCTS: Water Vapor, CO_2, (Nil NO_x formation due to low temperature operation)

SURFACE TEMPERATURE CLASSIFICATION: T6 – 185° F (T3B – 329° F maximum operation)

CATALYST LIFE: >2 years (Recommend preventative maintenance catalyst replacement each year of operation to ensure efficiency of operation)

MAXIMUM CONCENTRATION: 750 BTU/HR and/or 1 liter per minute

ELECTRICAL CLASSIFICATION: Canadian Standards Association (CSA) Approved for Class 1, Division 1, Groups B, C, and D, T3B (Suitable for Class 1, Zone 1, Ex Group IIB + H^2)

MATERIALS of CONSTRUCTION: Stainless steel, Aluminum, Platinum Catalyst (Monel available as option)

SAMPLE INLET CONNECTION: ¾" FNPT (with ¾" MNPT Flame Arrestor)

SUPPLIED WITH: Optional Type J Internal Thermocouple Temperature Sensing Element

MTI Analytical Technology is available to assist with **Analyzers**, **Electrochemical Sensors**, **Emission Eliminators**, **Gas Detectors & Systems**, **Sample Handling and Conditioning Devices**, and **Packaged Analytical Systems** requirements. Should there be questions or additional information required, please advise.

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