

WHC – WALL HOT CATALYSIS

High-purity THC-free gas to fit almost any application



DESCRIPTION:

LEMAN Instruments designed the WHC product of high-purity THC-free gas to fit almost any application within the specifications. Simple and close to the consumer, it is mostly designed for special integrations or wall-mounted installation. Compressed air, supplied from central distribution or from an external air compressor, is processed through a hot catalysis process, which removes THC. After the purification process, Air is filtered of remaining particulates down to $0.01\mu\text{m}$, and pressure is regulated to the set value, between 0.5 and 9 bar.

One model is available with the purities based on this table:

This system has been developed to be integrated into variable installation under the OEM concept or directly on a gas line.

This system is generally used on an AIR line, but it can remove THC from N₂, O₂, or any other gases within the manufacturer's recommendation.

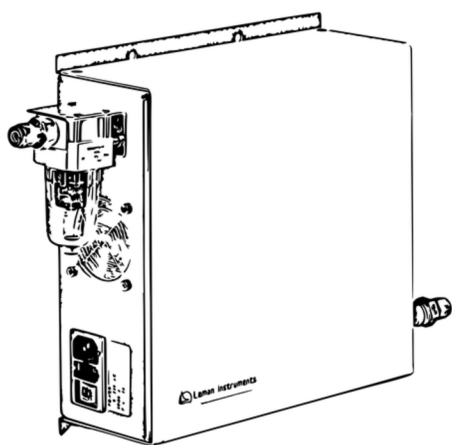


APPLICATION TYPES:

- Any gas line that requires THC removal
- Any application
- Any Condition

FEATURES:

- No maintenance
- Extremely affordable
- Flexible use of different gases
- Improves resolution and detection limit. Provides high-pressure stability
- Gas without THC is available 24/7
- Independent source of gas THC free. It needs only dry and oil-free gas and electricity
- It can be easily moved around the laboratory or placed differently on a line
- No handling, No storage, No cylinder rental fee
- Vertical and extra compact integration or space-saving



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MODELS	WHC
LPM O2 Outflow @ 1013/20°C	3L/min
GAS Purity	<ul style="list-style-type: none">• 50 ppb THC• 50 ppb CO• 50 ppb CH4• particulates <0.01µm
Dew point	-50°C
Outlet Pressure	From 0.5 to 9 bar (7 to 130 psig)

Dimensions cm / in	L:8.7cm / I: 31cm / H: 25.5cm L: 3.4in / I: 12.2in / H: 10in
Net weight (kg/lbs)	5kg/11lbs

Gas Quality	Oil-free and dried gas (min -20°C)
Gas Pressure	Maximum 10 bar (145 psig)
Manual control	Manual pressure regulation
Input & Output fittings	Quick Connect 6mm Input Swagelok 4mm Output
Power supply	Automatic switching from 90 to 260 VAC, 47 to 63 Hz
Power consumption (max at full flow)	Maximum 100W
Ambient temperature	+5 to +35°C

