

ASYNT GASTRAP™ HYDROGEN (+leak detector)

Ideal for purifying hydrogen in gas chromatography, especially GC/MS

FEATURES

Max flow 300ml/min

Impurities <2ppm

Save disposable filters

Maintenance Free

Achieve ultra high purity Hydrogen.....99.9999%

Deliver faster stabilization times for increased GC productivity.
Remove oxygen, moisture, and hydrocarbons from the carrier gas for ECD applications and provide complete GC column protection.

The GT-H2L comprises a mini PSA unit to selectively trap oxygen, nitrogen, moisture, carbon dioxide and hydrocarbons from a hydrogen gas supply.

GT-H2 L **self-regenerates** every cycle and operates silently without service.

- GT-H2 increases hydrogen purity.
- Save replacing disposable filters.

ULTRA HIGH PURITY HYDROGEN



HYDROGEN LEAK DETECTOR - If outlet flow exceeds 300ml/min by >50% for more than 5 mins either hydrogen demand at GC/MS has been increased or a leak has occurred. An audible warning will sound and , if not reset in 10 mins (i.e. a temporary high flow demand) the hydrogen supply will be shut off.
If hydrogen flow exceeds 1l/min (i.e. a leak) the hydrogen flow is shut off immediately. The built in leak detector provides extra security to existing hydrogen detectors.

Gas Feed	Hydrogen
Max Pressure	12 barg, 175psig
Electrical Supply	90-260v, 50/60Hz, 10W
Connections	1/8" NPT/BSP female taper thread IN/OUT
Noise Level	52dBA at 1m (silent)
Flow Rates (set by user)	max 300ml/min
Contaminants Removed	O ₂ , H ₂ O, CO ₂ , N ₂ , HC
Contaminant removal ratio	50:1 at 20ml/min 10:1 at 300ml/min (less than 2ppm impurities)
Regenerating (waste) gas	10% of average flow
Dimensions unpacked	185 x 130 x 305mm high 4.5Kg 7 1/4" x 5 1/8" x 12" high 9.9lbs
Dimensions packed	230 x 170 x 370mm high 5kg 9" x 6 3/4" x 14 1/2" high 11lbs
Manufacturing Standards	ISO9001:2008 Certificate 68083/1/0001/UK/En EXPLOSION PROOF

Asynt

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