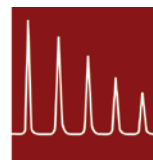


# Helium & Argon Carrier Gas Purifier



## About the Model 75-804 Carrier Gas Purifier

The AGC Model 75-804 Carrier Gas Purifier ensures a stable supply of purified gas for efficiency and cost-effectiveness in gas chromatography systems. The latest revision of this refined instrument is the automated 19" Rack Purifier from AGC Instruments which is easily integrated into new or existing set-ups to work in tandem with numerous applications. The new rack configuration links seamlessly with the AGC family of Gas Chromatographs and TrendVision PLUS Chromatography Software units for a comprehensive gas analysis rack system.

By having a low ppb impurity level in carrier and detector gases, longer instrument life spans and better sensitivities are achieved, thus saving companies both time and money. This high quality gas is also essential for the operation of sensitive Ionisation Detectors such as the AGC Discharge Ionisation Detector (DID) and the AGC Argon Discharge Detector (ADD). These two detectors require pure Helium and pure Argon respectively.

## Features

- On-Line Use
- Easily Integrated into Rack Set-up
- Links Seamlessly with all Gas Chromatographs
- Purification to Grade 6.5 or better
- Long Term Use

## Impurities Removed:

H<sub>2</sub>O , H<sub>2</sub> , O<sub>2</sub> , N<sub>2</sub> , THC , CO , CO<sub>2</sub>  
(to <1 ppb each)



AGC NovaCHROM 2000 GC with ADD

## 19" Rack Specifications

Operating Temperature:	350°C
Max. Operating Pressure:	10 bar
Max. Flow Rate:	500 ml
Standard Fittings:	1/8" VCR
Power requirements:	110/220/240 V 50/60 Hz , 500 VA
Nett Weight:	6 kg
Dimensions:	44 x 41 x 13 cms (WxDxH)

# Helium & Argon Carrier Gas Purifier

## Principle of Operation

The Model 75-804 is based on the heating of purifying pellets which have been coated with a thin oxide layer. When these pellets are heated, impurities in the gas stream passed over them are trapped. By continuously diffusing the impurities into the purifying material, a fresh reactive surface is maintained. This reaction will ensure that the output gas is produced at least 2 grades better than the input gas.

## Applications

1. Purifying Grade 5.5 Helium or Argon to Grade 6.5 or better

2. Purifying GC carrier and detector gases for:

- Discharge Ionisation Detector (DID)
- Argon Discharge Detector (ADD)

3. Zero Gas Purity:

- Analysers for Trace N<sub>2</sub> in Argon
- Analysers for Trace N<sub>2</sub> in Helium



Also Available:

Model 75-802  
Bench Mount Version



AGC Instruments Ltd.

Unit 2, Shannon Free Zone West,  
Shannon, Co. Clare, V14 PX03, Ireland.  
T: +353 61 471632 F: +353 61 471042  
E: sales@agc-instruments.com

