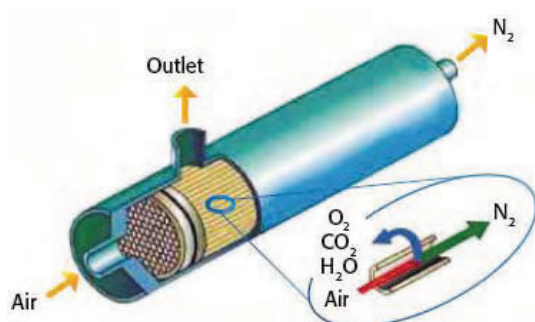


Nitrogen Generator

Whisper-N₂ Series

Membrane Technology



“

Compressed air is forced through a hollow fiber membrane, with selective permeation of the different components - nitrogen, oxygen, CO₂, water vapor and traces of rare gases - depending on the rate of diffusion. The rate of diffusion of nitrogen through the membrane is slower than the other components, which thus flow outside of the fiber membrane, leaving just nitrogen inside; this is then discharged subsequently, ready for use.

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Features

Superior Result from Analytical Instruments

- The constant purity of the nitrogen improves system stability and ensures reproducible results

Better Lab Efficiency

- The large nitrogen volumes used in analytical labs for LC-MS techniques to ensure good lab productivity
- Wall-mounted installation available to save space

Cost Saving

- The investment can normally be paid back in less than a year
- No pipeline is required to carry the gas from the storeroom to the lab

Improved Safety

- Nitrogen produced at low pressure at room temperature eliminates the risks relating to high pressure gasbottle use and handling of liquid nitrogen

Simple Installation

- No need of power connection (Built-in compressor models)

Silent Operation

- The exclusive “**Split System**” design (Compressor built-in models) allows the section containing the compressor to be installed separately from the nitrogen production assembly which means no interruption by noise from the compressor

Whisper-N₂ Series Specification

	Compressor Built-in		External Compressor	
	N ₂ -Whisper-2-60	N ₂ -Whisper-Hybrid	N ₂ -Mini-Whisper	N ₂ -Whisper-0 Series
Model				
Max flow	35L/min	5L/min (80psi)	8L/min	40, 80, 120L/min
Purity	> 98.5~99.5%	> 99%	> 98.5~99.5%	> 98~99.5%
Input pressure	Internal compressor	Source air gas : 20~26L/min (100psi)	5~8bar	8~10bar
Outlet pressure	7.5bar	Exhaust air gas: 6~10L/min (60psi)	7bar	7bar
Residual particulate	< 0.01microns	< 0.01microns	< 0.01microns	< 0.01microns
Dew point	-40℃	-40℃	-40℃	-40℃
Max. operating temp.	10~35℃	10~35℃	10~35℃	10~35℃
Air compressor supplied	270L/min Dual Compressor	270L/min Dual Compressor	No(option)	No(option)
Background noise	< 60dB or Split System	< 60dB or Split System	None	None
Electrical spec.	220V, 50~60Hz	220V, 50~60Hz	None	None
Connections	¼ G	¼ G	¼ G	¼ G
Weight(kg)	160	150	8	15~21
Dimension(cm)	130H x 48W x 98D	130H x 48W x 98D	74H x 35W x 35D	115H x 48W x 26D
Production type	Membrane	Membrane	Membrane	Membrane
Application	with LC-MS	N ₂ /Air Generation	with ELSD	Large N ₂ volumes