





Application

LC/MS that need Nitrogen & Air

Technical data

COMBINED S

NITROGEN FLOW RATE	up to 25 I/min at 99,0% purity	up to 60 I/min at 99,0% purity
DRY AIR FLOW RATE	up to 50 I/min	up to 100 l/min
AIR INLET PRESSURE REQUIRED	8 bar	8 bar
NO INTERNAL COMPRESSOR	Need to be connected to an existing clean and dry compressed air network	Need to be connected to an existing clean and dry compressed air network
EASY AND QUICK MAINTENANCE	Only change filter element once per year	Only change filter element once per year
	Absent.	Alternati
NOISE	No moving mechanical parts on the generator	Absent. No moving mechanical parts on the generator
NOISE	7.10001111	71.0001111
	No moving mechanical parts on the generator	No moving mechanical parts on the generator
POWER	No moving mechanical parts on the generator Not required N2: G 1/4 + quick connection for 1/4" pipe	No moving mechanical parts on the generator Not required N2: G 1/4 + quick connection for 1/4" pipe

DESIGN AND PRODUCTION OF LABORATORY **GAS GENERATORS**



"Design and production of laboratory gas generators"









ZEFIRO zero series **NITROGEN GENERATORS**

ZEFIRO LC-MS

The constant and completely autonomous supply of nitrogen flux (*)



















ZEFIRO para zero LC-MS









The nitrogen generator ZEFIRO ZERO uses membranes technology. The system produces laboratory pure nitrogen from an existing in house oil free compressed air supply (*). Compressed air is forced to pass through a hollow fibers membrane, with selective permeation of the different components, nitrogen, oxygen, CO2, water vapor and traces of rare gases (Ar, Co), 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 nitrogen inside only.



LC/MS



Technical data

FLOW RATE	20, 40, 60, 80, 120 l/min	
PURITY	99,0% @ 7 bar	
AIR INLET PRESSURE REQUIRED	8 bar	
NO INTERNAL COMPRESSOR	Need to be connected to an existing clean and dry compressed air network	
EASY AND QUICK MAINTENANCE	Only change filter element once per year	
NOISE	Absent. No moving mechanical parts on the generator	
POWER	Not required	
CONNECTIONS	G 1/4 + quick connection for 10 mm pipe	
WEIGTH	35-40 kg	
DIMENSIONS	40x40x95 cm (WxDxH)	

Technical data

DUAL PURITY	DUAL PURITY S	
LC/MS N2: up to 35 or 65 l/min at STP Collision Cell N2: 200 ml/min at STP	LC/MS N2: up to 35 l/min at STP Collision Cell N2: 1100 ml/min at STP	FLOW RATE
99,0% @ 7 bar LC/MS - 99,999% @ 2 bar Collision Cell	99,0% @ 7 bar LC/MS - 99,999% @ 2 bar Collision Cell	PURITY
8 bar	8 bar	AIR INLET PRESSURE REQUIRED
Need to be connected to an existing clean and dry compressed air network	Need to be connected to an existing clean and dry compressed air network	NO INTERNAL COMPRESSOR
Only change filter element once per year	Only change filter element once per year	EASY AND QUICK MAINTENANCE
Absent. No moving mechanical parts on the generator	Absent. No moving mechanical parts on the generator	NOISE
G 1/4 + quick connection for 1/4" LC/MS G 1/4 + 1/8" swagelock for Collision Cell	G 1/4 + quick connection for 1/4" LC/MS G 1/4 + 1/8" swagelock for Collision Cell	POWER
Not required	Not required	CONNECTIONS
40 kg	45 kg	WEIGTH
40x40x95 cm (WxDxH)	40x40x95 cm (WxDxH)	DIMENSIONS