

# Analytical Gas Systems

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Waters  
THE SCIENCE OF WHAT'S POSSIBLE.™

# NitroFlow Lab

for Waters LC/MS



## Nitrogen on demand, up to 32 lpm

The Parker Balston NitroFlow Lab is a self contained generator that produces up to 32 lpm of pure LC/MS grade nitrogen at pressures up to 8 bar. Nitrogen is produced by utilising a combination of compressor and membrane separation technologies. High and low pressure compressors are carefully matched to the hollow fibre membranes to ensure quiet and reliable operation. Oil free compressed air is passed through the unique proprietary hollow fibre membranes which separate the air into a concentrated nitrogen stream.

Typical applications include LC/MS, LC/MS/MS, nebuliser gases for APCI and ESI, ELSD, Turbo Vaps and chemical solvent evaporation. The NitroFlow Lab has been tested and approved by Waters.



### Contact Information:

**For Europe, Middle East and Africa**  
**Parker Hannifin Manufacturing Limited**  
Dukesway, Team Valley Trading Estate  
Gateshead, Tyne and Wear  
England NE11 0PZ  
**Tel: +44 (0)191 402 9000**  
**Fax: +44 (0)191 482 6296**  
[www.parker.com/dhfn](http://www.parker.com/dhfn)

**For North America, South America & Canada**  
**Parker Hannifin Corporation**  
242 Neck Road  
Haverhill, MA 01835  
**Tel: 0800 343 4048**  
**Fax: 978 556 7652**  
[www.labgasgenerators.com](http://www.labgasgenerators.com)

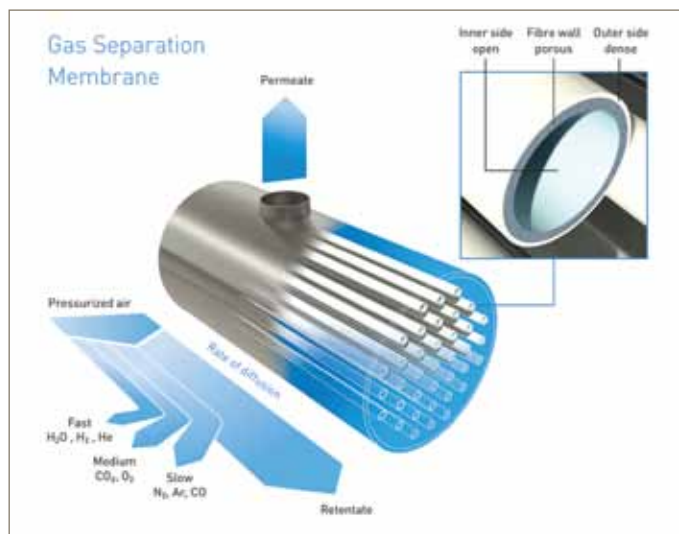
**For Asia**  
**Parker Hannifin Singapore Pte Ltd**  
11, Fourth Chin Bee Road  
Singapore 6109702  
**Tel: +65 6887 6300**  
**Fax: +65 6265 5125**

### Product Features:

- Complete 'plug and play' system approved and recommended by Waters
- Produces a continuous supply of nitrogen for all LC/MS applications
- Phthalate-free, no organic vapours
- Eliminate dangerous nitrogen cylinders from the laboratory
- 8,000 hours compressor warranty
- Internal acoustic dampening ensures quiet operation

The unique combination of the dual compressor technology ensures that the NitroFlow® Lab has several unique technical advantages over all other existing LC/MS Nitrogen Generators.

Nitrogen is produced at low pressure and then compressed to 8 bar. This ensures minimal maintenance of the system with no compressed air filter replacements or waste condensate. The compressor life is guaranteed under the Parker Balston warranty for 8,000 continuous running hours, the longest currently available on the market.



### Principal Specification

Model	NitroFlow Lab
Purity	99.5%
Phthalate-free	Yes
Hydrocarbon-free	Yes
Flow Rates	Up to 32 lpm
Delivery Pressure	up to 8 bar - 116 PSI
Outlet Connection	1/4" G (optional 6 and 8mm push fit connectors included.)
Ambient Temperature	10 to 35°C - 50 to 95°F
Electrical Requirements	230VAC - 50Hz 230VAC - 60Hz 120VAC - 60Hz
Power Consumption	1400 Watts
Noise Level	<58 dB (A)
Dimensions (H x W x D)	700 x 310 x 900 mm - 27.5" x 12.2" x 35.4"
Weight (Shipping)	93 Kg (110) - 205lbs (242)

### Ordering Information

Description	Parker Part Number	Waters Part Number
NitroFlow Lab N2 230v-50Hz EU	159.003848	186006317
NitroFlow Lab N2 230v-50Hz UK	159.004627	186006318
NitroFlow Lab N2 120v-60Hz US	NitroFlowLab	186006319
NitroFlow Lab N2 120v-60Hz ASIA	159.003868	186006320
NitroFlow Lab N2 230v-50Hz ASIA	159.003848	186006321

Maintenance Items	Model Number	Change Frequency
Maintenance Kit	159.003754	12 Months

# Parker Worldwide

## Europe, Middle East, Africa

**AE – United Arab Emirates,** Dubai

Tel: +971 4 8127100  
parker.me@parker.com

**AT – Austria,** Wiener Neustadt

Tel: +43 (0)2622 23501-0  
parker.austria@parker.com

**AT – Eastern Europe,** Wiener Neustadt

Tel: +43 (0)2622 23501 900  
parker.easteurope@parker.com

**AZ – Azerbaijan,** Baku

Tel: +994 50 2233 458  
parker.azerbaijan@parker.com

**BE/LU – Belgium,** Nivelles

Tel: +32 (0)67 280 900  
parker.belgium@parker.com

**BY – Belarus,** Minsk

Tel: +375 17 209 9399  
parker.belarus@parker.com

**CH – Switzerland,** Etoy

Tel: +41 (0)21 821 87 00  
parker.switzerland@parker.com

**CZ – Czech Republic,** Klecany

Tel: +420 284 083 111  
parker.czechrepublic@parker.com

**DE – Germany,** Kaarst

Tel: +49 (0)2131 4016 0  
parker.germany@parker.com

**DK – Denmark,** Ballerup

Tel: +45 43 56 04 00  
parker.denmark@parker.com

**ES – Spain,** Madrid

Tel: +34 902 330 001  
parker.spain@parker.com

**FI – Finland,** Vantaa

Tel: +358 (0)20 753 2500  
parker.finland@parker.com

**FR – France,** Contamine s/Arve

Tel: +33 (0)4 50 25 80 25  
parker.france@parker.com

**GR – Greece,** Athens

Tel: +30 210 933 6450  
parker.greece@parker.com

**HU – Hungary,** Budapest

Tel: +36 1 220 4155  
parker.hungary@parker.com

**IE – Ireland,** Dublin

Tel: +353 (0)1 466 6370  
parker.ireland@parker.com

**IT – Italy,** Corsico (MI)

Tel: +39 02 45 19 21  
parker.italy@parker.com

**KZ – Kazakhstan,** Almaty

Tel: +7 7272 505 800  
parker.easteurope@parker.com

**NL – The Netherlands,** Oldenzaal

Tel: +31 (0)541 585 000  
parker.nl@parker.com

**NO – Norway,** Asker

Tel: +47 66 75 34 00  
parker.norway@parker.com

**PL – Poland,** Warsaw

Tel: +48 (0)22 573 24 00  
parker.poland@parker.com

**PT – Portugal,** Leca da Palmeira

Tel: +351 22 999 7360  
parker.portugal@parker.com

**RO – Romania,** Bucharest

Tel: +40 21 252 1382  
parker.romania@parker.com

**RU – Russia,** Moscow

Tel: +7 495 645-2156  
parker.russia@parker.com

**SE – Sweden,** Spånga

Tel: +46 (0)8 59 79 50 00  
parker.sweden@parker.com

**SK – Slovakia,** Banská Bystrica

Tel: +421 484 162 252  
parker.slovakia@parker.com

**SL – Slovenia,** Novo Mesto

Tel: +386 7 337 6650  
parker.slovenia@parker.com

**TR – Turkey,** Istanbul

Tel: +90 216 4997081  
parker.turkey@parker.com

**UA – Ukraine,** Kiev

Tel: +380 44 494 2731  
parker.ukraine@parker.com

**UK – United Kingdom,** Warwick

Tel: +44 (0)1926 317 878  
parker.uk@parker.com

**ZA – South Africa,** Kempton Park

Tel: +27 (0)11 961 0700  
parker.southafrica@parker.com

## North America

**CA – Canada,** Milton, Ontario

Tel: +1 905 693 3000

**US – USA,** Cleveland

Tel: +1 216 896 3000

## Asia Pacific

**AU – Australia,** Castle Hill

Tel: +61 (0)2-9634 7777

**CN – China,** Shanghai

Tel: +86 21 2899 5000

**HK – Hong Kong**

Tel: +852 2428 8008

**IN – India,** Mumbai

Tel: +91 22 6513 7081-85

**JP – Japan,** Tokyo

Tel: +81 (0)3 6408 3901

**KR – South Korea,** Seoul

Tel: +82 2 559 0400

**MY – Malaysia,** Shah Alam

Tel: +60 3 7849 0800

**NZ – New Zealand,** Mt Wellington

Tel: +64 9 574 1744

**SG – Singapore**

Tel: +65 6887 6300

**TH – Thailand,** Bangkok

Tel: +662 186 7000-99

**TW – Taiwan,** Taipei

Tel: +886 2 2298 8987

## South America

**AR – Argentina,** Buenos Aires

Tel: +54 3327 44 4129

**BR – Brazil,** Sao Jose dos Campos

Tel: +55 800 727 5374

**CL – Chile,** Santiago

Tel: +56 2 623 1216

**MX – Mexico,** Apodaca

Tel: +52 81 8156 6000

European Product Information Centre

Free phone: 00 800 27 27 5374

(from AT, BE, CH, CZ, DE, DK, EE, ES, FI, FR, IE, IL, IS, IT, LU, MT, NL, NO, PL, PT, RU, SE, SK, UK, ZA)