LC-MS Nitrogen - Generators

FEATURES & BENEFITS

- · Eliminates costly dangerous gas cylinders
- · Significant savings over cylinders
- Simple installation, no special requirements
- Constant purity with no fall off in performance
- · Control and safety system with automatic changeover switch
- · Meets all standards and regulations

N_2 -Generating with the membrane separation technologies

The nitrogen generators of the NGM series produce nitrogen continuosly up to a max. purity of 99,5 % A high-efficiency prefiltration system pretreats the compressed air to remove particles. The following membrane module separates the air into nitrogen and oxygen. The benefit of the membrane method is that there are no mobile parts and therefore it is nearly wear-free. The operating of the generator is very easy and maintenance-free. All systems work without any electrical requirements and therefore they are prefered for use in hazardeous areas.



 \Rightarrow LC-MS

Nitrogen supply (I/min) at inlet pressures from p = 8 bar abs.

Technical specification:

Dewpoint -50 °C Particles > 0,01 µm none Electrical Requirements not needed Max. Oil-content < 0,003 mg/m³ Min/ Max. inlet pressure 6 - 12 bar Max. pressure drop ca. 0,7 bar 20 °C Recommended inlet temperature 5 - 45 °C Ambient-temperature Ambient-pressure 1013 mbar Dimensions (H*W*D) 60x60x112cm

Set of spare filter elements for internal filtration system:

E 361 X25

In/Outlet ports

E 361 X1

E 361 XA E 381 AC



| Type | purity of nitrogen (%) |
|------|------------------------|
| | |

| | 99,5 | 99 | 98 | 97 | 96 | 95 | Max |
|---------|------|-----|-----|-----|-----|-----|-----|
| NGM-11 | 11 | 12 | 17 | 23 | 28 | 33 | 44 |
| NGM-22 | 22 | 30 | 42 | 52 | 67 | 73 | 100 |
| NGM-68 | 68 | 88 | 125 | 158 | 187 | 225 | 300 |
| NGM-136 | 136 | 176 | 250 | 316 | 374 | 450 | 600 |

(compressed air-temperature 20 °C, 1013 mbar)

*Max = max. N_2 -flow at p = 10 bar abs.



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