



# DALCO ENGINEERING SYSTEMS LTD

*Dominick Hunter Nitrogen Gas Generators,*  
**Air & Liquid Filtration Equipment**

*SIMA Automotive & Industrial Spray Booths*

*Kogonei Pneumatics, CKD, Hoerbiger, Pneumatics,*  
*Becker Vacuum Pumps, Industrial Pumps.*

Dunshaughlin, Co. Meath, Ireland.

**T:** +353 1 825 0768 **F:** +353 1 825 0769

**E:** [info@dalcoengineering.ie](mailto:info@dalcoengineering.ie) **W:** [www.dalcoengineering.ie](http://www.dalcoengineering.ie)



Performance data based on 7barg (102psig) air inlet pressure, 20-25 degrees Celsius (68-77 degrees Fahrenheit ambient temperature. Please **contact us** for performance under other specific conditions.

Model	Nitrogen Outlet Flowrate - Nm <sup>3</sup> / Hr (ATP) Oxygen Concentration										
	10ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
DEG1068	0.55	1.2	1.5	1.9	2.4	3.4	4.3	5.8	7.2	8.4	9.4
DEG1070	1.20	2.40	3.20	3.9	4.7	6.9	8.5	11.6	14.3	16.7	18.8
DEG1072	1.5	3.2	4.2	5.3	6.5	9.5	11.5	15.2	18.7	21.7	24.5
DEG1170	1.97	3.20	6.7	8.1	9.0	14.1	17.8	22.0	25.8	29.0	32.2
DEG1172	3.00	4.80	10.0	12.1	13.4	21.2	26.6	32.8	38.7	43.5	48.3
DEG1174	4.00	6.40	13.4	16.2	18.0	28.3	35.5	43.8	51.6	58.0	64.4
DEG1176	5.00	8.00	16.8	20.2	22.4	35.3	44.4	54.7	64.5	72.5	80.4
DEG1178	6.00	9.60	20.1	24.2	26.8	42.4	53.3	65.7	77.4	87.1	96.5
DEG1182	7.90	12.80	25.5	30.7	34.0	53.7	67.5	83.2	98.1	110.3	122.3
DEG1186	9.80	16.00	30.9	37.2	41.2	65.0	81.7	100.7	118.7	133.5	148.0

Greater flows and pressures are available by multibank systems and increased inlet air pressures.

Weights and dimensions vary for each system supplied.

**Technical Specifications:**

**Ambient temperature range:** 5-50 degrees Celsius 120 degrees Celsius

**Nitrogen outlet pressure:** up to 16.5 barg

**Inlet air quality:**

**Dewpoint:** -40degrees Celsius

**Particulate:** <0.1 micron

**Oil:** <0.01 mg/m3

**Electrical supply:** 220V/1ph/50Hz or 110V/1ph/60Hz

**Inlet / Outlet connections:** Air G 1 / Nitrogen G1/2

**Standard equipment includes:**

- Oxygen analyser for continuous monitoring of nitrogen purity
- Analogue outputs of remote monitoring
- Alarm connections

**Optional extras:**

- T Mass flow meters
- External tank analysers
- Containerised systems



**Ireland: Dunshaughlin, Co. Meath**

T: +353 (0)18250768

F: +353 (0)18250769

Email: [info@dalcoengineering.ie](mailto:info@dalcoengineering.ie)

[www.dalcoengineering.ie](http://www.dalcoengineering.ie)

**UK:**

T: +353 (0)18250768

F: +353 (0)18250769

Email: [info@dalcoengineering.ie](mailto:info@dalcoengineering.ie)

[www.dalcoengineering.ie](http://www.dalcoengineering.ie)

**Australia: 153 Burnside Rd., Bannockburn,**

Victoria 3331

T: +61 (0) 352812951

Email: [info@dalconitrogensystems.com](mailto:info@dalconitrogensystems.com)

[www.dalconitrogensystems.com.au](http://www.dalconitrogensystems.com.au)