

# elco



## **VECTRON**

### **VGL5.1000 M**



## INNOVATION

Since its foundation in 1928, ELCO has always been a specialist in burners conception and manufacturing. By linking a strong innovative ability to a continued developing drive, ELCO has designed high performing and reliable burners as well as corresponding services throughout the years, and is today one of the leaders in the field of combustion technology.



## RESEARCH AND DEVELOPMENT

ELCO always looks for the best technologies and continues to develop new ones to improve the efficiency of its solutions.

Our R&D Laboratories are committed to develop innovative technological solutions allowing to:

- optimise the running of the installations lowering costs;
- offer service friendly products easy to maintain;
- preserve the environment lowering acoustic and pollutant emissions.



## OUR PRODUCT RANGE

Our experience at combustion technology available in a complete range of burners from 11 kW to 80 MW:



**VECTRON**  
11 - 2300 kW

**PROTRON**  
17 - 550 kW

**NEXTRON**  
250 - 11200 kW

**EK EVO**  
250 - 13500 kW

**N**  
1300 - 22000 kW

# CUTTING-EDGE BURNERS FOR HEATING AND INDUSTRIAL APPLICATIONS

## KNOW-HOW

Your contacts at ELCO and its partners are recognised experts with years of experience. Our worldwide support starts from concept creation to planning, design and project management up to commissioning and on-going operation of the plant throughout its life cycle. As an ELCO customer, you can rely on your installation to perform reliably. Our guarantee is backed up by a service that sets standards in our field.



## WORLDWIDE NETWORK

Capitalising on more than 90 years of work experience, ELCO has been capable to build up loyal partnerships and today can count on reliable Partners all over the World. Combining an instinctively global perspective with a genuinely multicultural approach ELCO today offers you skilled and experienced experts available in more than 70 Countries.

### In Europe

3 production plants

6 commercial branches

Strong commercial presence through a network of reliable dealers and partners

### Worldwide

2 Sales Offices in Russia and China

Distribution in over 70 Countries



**HO/GHO-TRON**  
68 - 17000 kW



**RPD**  
500 - 80000 kW



**EK-DUO**  
600 - 16000 kW



**D-TRON**  
230 - 34000 kW

# MONOBLOCK

# VECTRON

ErP 



## Monoblock burners from 11 kW to 2300 kW in gas, light oil, biofuel and dual fuel

- The characteristic cubic type architecture allows optimal accessibility and compactness to all models, simplifying all the installation and maintenance activities
- Low NOx emissions versions are available and capable not only to respect but also to exceed the requirements of the most stringent European directives



NATURAL



DUAL FUEL



LIGHT OIL



BIOFUEL

## All VECTRON burners feature:

- Complete electrical equipment in the body of the burner with MDE2 System and display giving real-time information during the commissioning, the operation and at each operation cycle
- Quiet ventilation and reduced electrical consumption
- Maintenance operation are simplified: the combustion parts can be quickly removed, easily cleaned and easily get back to their position after all the servicing work
- Products are in compliance with EN676 and EN267 European standards and with the following directives: 2016/426/EU Gas Appliances Directive, 2014/30/EU EMC Directive, 2014/35/EU Low Voltage Directive, 2006/42/EC Efficiency Directive, 2011/65/EU RoHS2 Directive

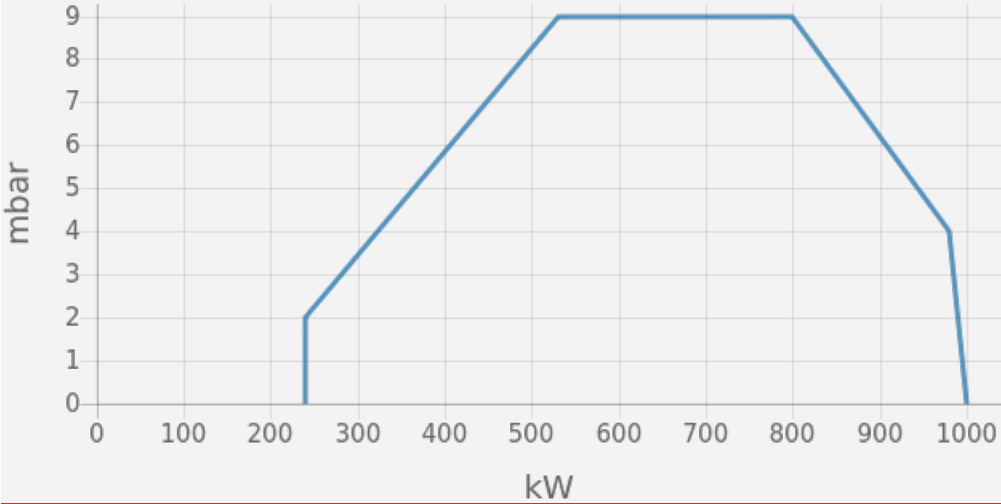
# VECTRON \_ VGL5.1000 M



- Operation: two stages progressive/modulating electronic in gas / three stages in oil;
- Emission class: Low NOx class 3 in gas (<80 mg/kWh) according to EN676, Low NOx class 2 in light oil (<185 mg/kWh) according to EN267



## WORKING DIAGRAM



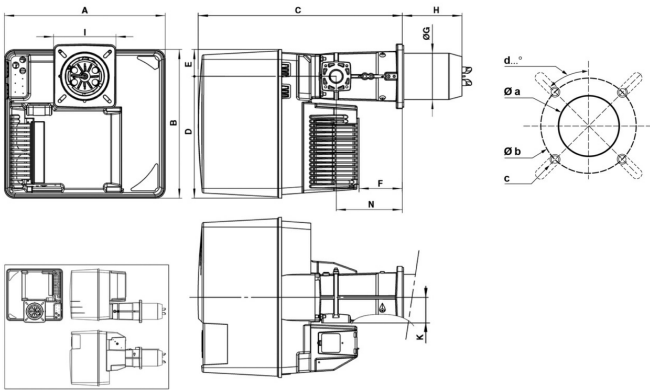
## TECHNICAL DATA

|                             |      |
|-----------------------------|------|
| Minimum power output (kW)   | 240  |
| Maximum power output (kW)   | 1000 |
| Minimum gas pressure (mbar) | 20   |
| Maximum gas pressure (mbar) | 300  |
| Fan motor (kW)              | 1.5  |
| Protection level            | IP41 |

## OTHER AVAILABLE CONFIGURATIONS

- Versions for continuous ventilation and post-ventilation

## OVERALL DIMENSIONS



| A   | B   | C   | D   | E  | F   | G   | H                           | I       | K  | N   | Øa  | b       | c   | d   |
|-----|-----|-----|-----|----|-----|-----|-----------------------------|---------|----|-----|-----|---------|-----|-----|
| 581 | 549 | 752 | 450 | 99 | 164 | 170 | KN: 215 / KM: 325 / KL: 435 | 230X238 | 89 | 244 | 195 | 220-260 | M10 | 45° |

## Subsidiaries ELCO

### GERMANY

ELCO GmbH  
Dreieichstraße 10  
Mörfelden-Walldorf  
Tel.: +49 (0) 6105 287-287  
Fax: +49 (0) 6105 287-199

### NETHERLANDS

Elco Burners B.V.  
Meerpaalweg, 1  
1332 BB Almere  
P.O. box 30048  
1303 AA Almere  
Tel. +31 088 69 573 11  
Fax +31 088 69 573 90

### FRANCE

14, rue du Saule Trapu  
Parc d'activité du Moulin  
91882 Massy  
Tel. +33 01 60 13 64 64  
Fax +33 01 60 13 64 65

### SWITZERLAND

Elcotherm AG  
Sarganserstrasse 100  
7324 Vilters  
Tel. +41 (0)81 725 25 25  
Fax +41 (0)81 723 13 59

### AUSTRIA

ELCO Austria GmbH  
Aredstraße 16 - 18  
2544 Leobersdorf  
Tel. +43 (0)2256 639 99 32  
Fax +43 (0)2256 644 11

### ITALY

Via Roma, 64  
31023 Resana (TV)  
Tel. +39 0423 719500  
Fax +39 0423 719580

### UK & IRELAND

Ariston Thermo UK Ltd  
Suite 3, The Crown House  
Blackpole East, Blackpole Road,  
Worcester WR3 8SG  
Tel. +44 01905 788010  
Fax +44 01905 788011

### RUSSIA

Ariston Thermo RUS  
Eniseyskaya str. 1, bld 1,  
Office Center "LIRA" #438  
129344 Moscow  
Tel. +7 495 213 0300 #5700  
Fax +7 495 213 0302

### CHINA

Ariston Thermo (China) Co., Ltd.  
F/15, V-Capital Bldg  
No. 333 Xian Xia Road  
200336 Shanghai  
Tel. +86 21 6039 8691  
Fax +86 21 6039 8620

Contact us to know more  
about our products and solutions

**[www.elco-burners.com](http://www.elco-burners.com)**  
**[contact@elco-burners.com](mailto:contact@elco-burners.com)**