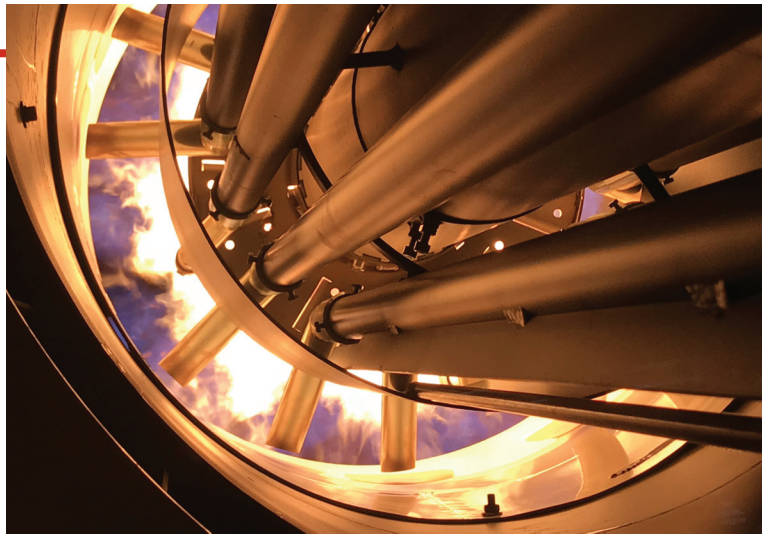



# PROTRON

## P1.70 G-U/TCG

## INNOVATION

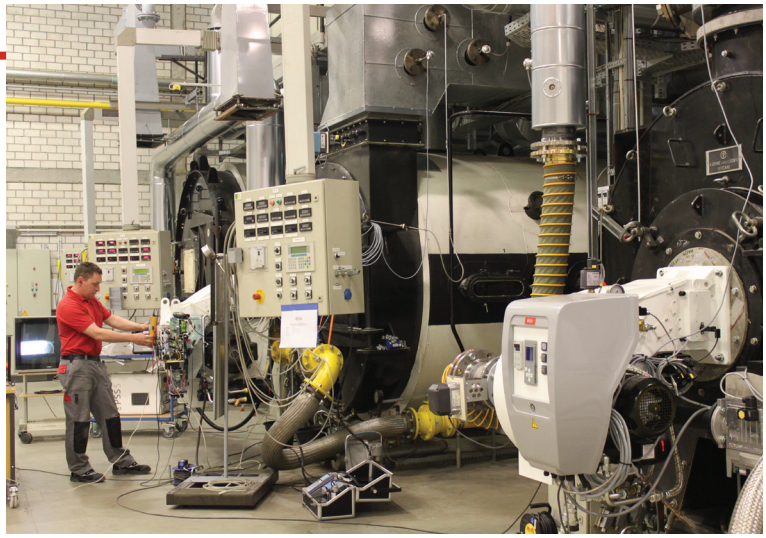
Since its foundation in 1928, ELCO has always been a specialist in burners conception and manufacturing. By linking a strong innovative ability to a continued developing drive, ELCO has designed high performing and reliable burners as well as corresponding services throughout the years, and is today 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 | PROTRON | NEXTRON | EK EVO | N |
|---|---|---|---|---|
| 11 - 2300 kW | 17 - 550 kW | 250 - 11200 kW | 250 - 13500 kW | 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.



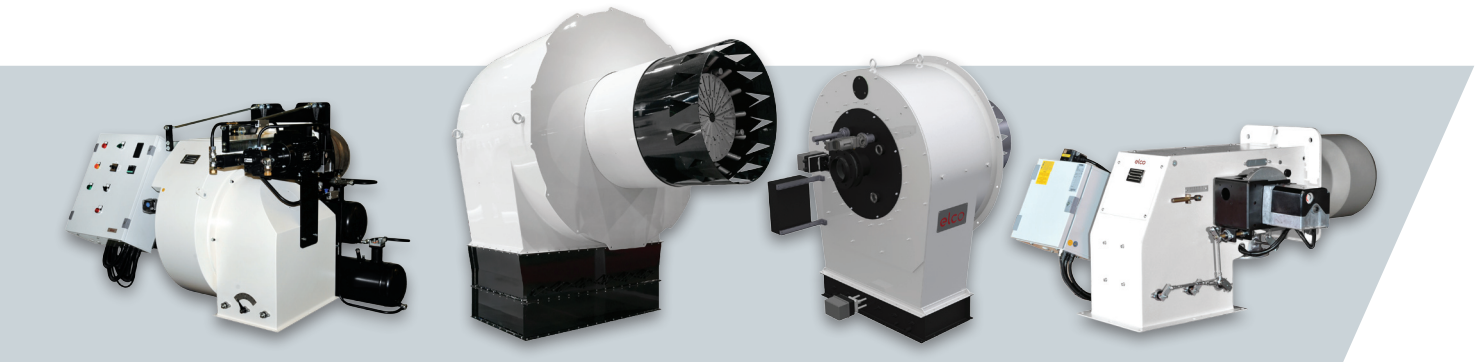

## WORLDWIDE NETWORK

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

# PROTRON




## Monoblock burners from 17 kW to 550 kW in gas and light oil

- Heat resistant, compact layout, easy maintenance, integral protection cover, graphic display: the PROTRON range has been especially designed for light industry applications
- PROTRON burners are characterized by high versatility allowing this range to be used in several installations within the process industry: ovens, dryers, spray booths, incinerators, hot air generators

NATURAL

LIGHT OIL

## All PROTRON burners feature:

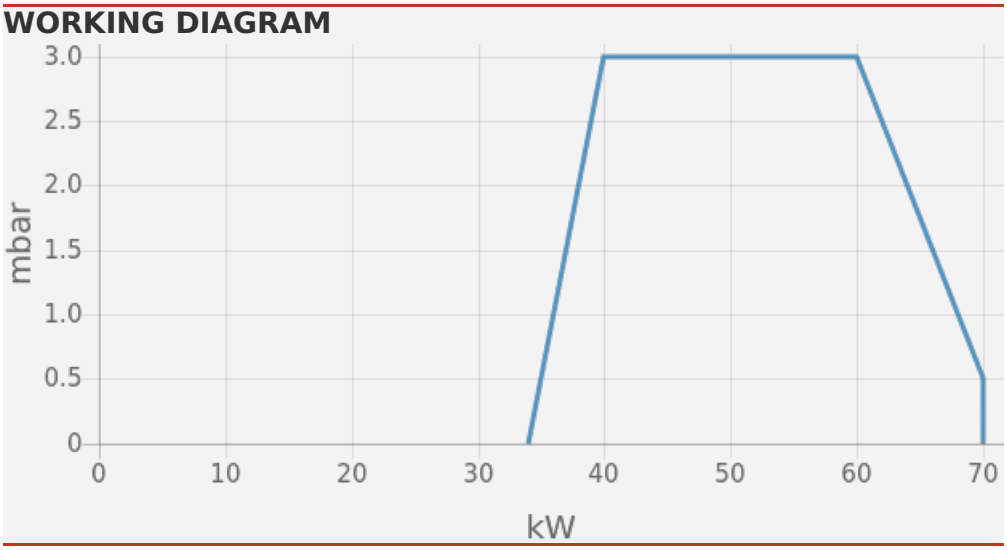
- 8 combinations of software programming to satisfy any application requirement with options like: Quick Start System, tightness control, adjustable pre-purge and post-purge, permanent ventilation.
- burners configurated in factory by our technicians
- quiet ventilation and reduced electrical consumption
- complete electrical equipment in the body of the burner with control panel
- 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

# PROTRON _ P1.70 G-U/TCG



- Operation: one stage;
- Emission class: Low NOx class 3 (<80 mg/kWh) according to EN676;

## WORKING DIAGRAM



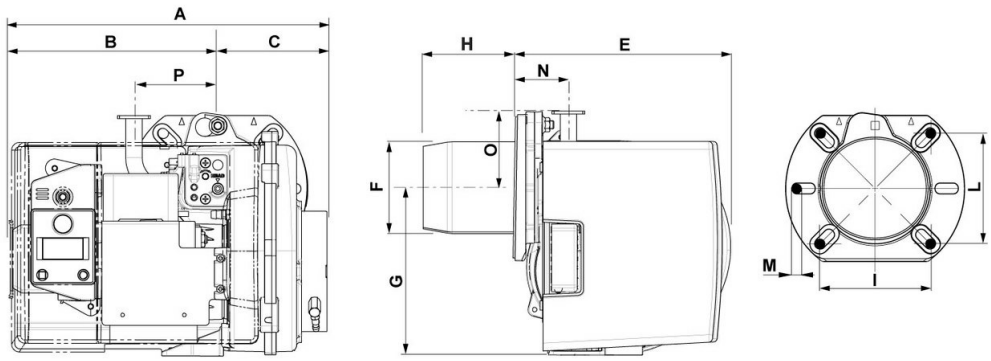

## TECHNICAL DATA

| | |
|---|---|
| Minimum power output (kW) | 34 |
| Maximum power output (kW) | 70 |
| Minimum gas pressure (mbar) | 12 |
| Maximum gas pressure (mbar) | 360 |
| Fan motor (kW) | 0.075 |
| Protection level | IP21 |

## OTHER AVAILABLE CONFIGURATIONS

- Post-ventilation;
- Continuous ventilation;
- Adjustable pre-purge;
- Quick start

## OVERALL DIMENSIONS




| A | B | C | E | F | G | H | I | L | M | N | O | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 306 | 200 | 106 | 209 | 89 | 160 | KN: 85 / KL: 143 | KN: 100...120 / KL: 96...116 | KN: 100...120 / KL: 96...116 | M8 | 52 | 71 | 82 |

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