

## QA SERIES

Burner control panels are available in different structural versions, such as wall-mounted and desk type (on request).

The automatic control system makes the logical integration of whole combustion system.

The customisation of this logic is carried out with the different type of combustion process and in compliance with the main safety norms.

Basic operation can be increased by the addition of more sophisticated control systems such as continuous regulation of combustion (oxygen trim), fan speed control (with inverter), electronic cam and others.

The standard control panels are designed and realized according to the norm EN 60439-1. They are suitable for indoor application (IP 54), on request, suitable for outdoor applications.



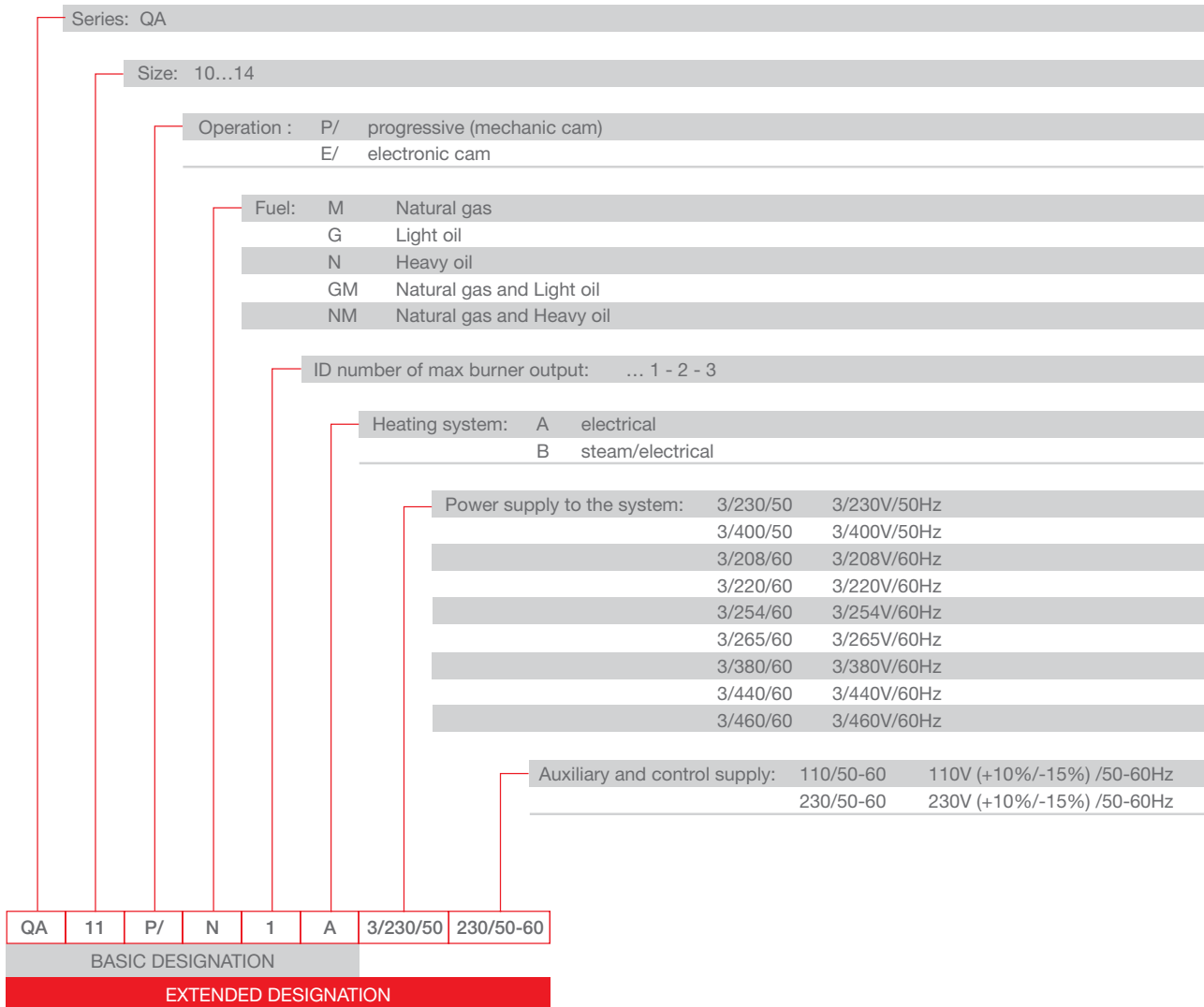
QA...PM	Natural Gas
QA...PG	Light Oil
QA...PN	Heavy Oil
QA...PGM	Natural Gas and Light Oil
QA...PNM	Natural Gas and heavy Oil

# Control Panels for Industrial Burners

## QA SERIES

# Specification

## DESIGNATION OF SERIES



## QA SERIES

# Specification

### STATE OF SUPPLY

Wall-mounted burner control panels for logical integration of a whole combustion system, made up of some basic components and different devices depending on applications requirements following the list and the table below.

- General switch with door interlock
- Control box for ignition cycle and flame safeguard
- Power controller (RWF 40) for modulating operation
- Terminal strip with bearings
- Carpentry metal structure for support and assembly of all components
- Fuse block
- Thermal relay
- Auxiliary relay and socket
- Lamps.

FUEL DEVICE / NOTE	MAX. BURNER OUTPUT ≤ 7,5MW						MAX. BURNER OUTPUT > 7,5MW								
	M	G	N (1)	N (2)	GM	NM (1)	NM (2)	M	G	N (1)	N (2)	GM	NM (1)	NM (2)	
BURNER CONTROL	Reset alarm push-button	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Emergency shut down push-button	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Automatic/stop/manual operating switch	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Manual modulation switch (+increase / - decrease)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Fuel selector switch					•	•	•					•	•	•
	Heating operation selection switch			•	•		•	•			•	•			
HEATERS AND MOTORS SUPPLY	Fuses for motor	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Contactora + relay for motor	•	•	•	•	•	•	•					•	•	
	Motor star/delta starter								•	•	•	•	•	•	•
	Fuses for heaters			•	•		•	•			•	•		•	•
	Contactora for heaters			•	•		•	•			•	•		•	•
	LAMPS AND ALARMS	Control voltage status	•	•	•	•	•	•	•	•	•	•	•	•	•
Boiler lock out (safety switch)		•	•	•	•	•	•	•	•	•	•	•	•	•	•
Burner lock out to client system manager		•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leakage detector (VPS) lock-out		•				•		•	•				•		•
Fan motor status: on/overload		•	•	•	•	•	•	•	•	•	•	•	•	•	•
External signals consens		•	•	•	•	•	•	•	•	•	•	•	•	•	•
Oil pump motor status: on/overload			•	•	•	•	•	•	•	•	•	•	•	•	•
High/low limit oil temperature				•	•		•	•			•	•		•	•
Burner on		•	•	•	•	•	•	•	•	•	•	•	•	•	•
CONTROL DEVICES		Oil temperature controller		•	•	•	•	•		•	•	•	•	•	•
	Air/fuel ratio electronic control (*)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
STEAM/BLER CONTROL DEVICES	Feed water pump control	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Levels control	•	•	•	•	•	•	•	•	•	•	•	•	•	•

(1) Only electrical heating type  
 (2) Steam/electrical heating type  
 (\*) Only for burners with micromodulation system

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### Available models

MODEL	MAX. BURNER POWER (kW)
QA 10 PM - 1A 3/230/50	3900
QA 10 PM - 2A 3/230/50	4600
QA 11 PM - 1A 3/230/50	5400
QA 11 PM - 2A 3/230/50	6200
QA 11 PM - 3A 3/230/50	7000
QA 12 PM - 1A 3/230/50	7700
QA 12 PM - 2A 3/230/50	8500
QA 13 PM - 1A 3/230/50	9500
QA 13 PM - 2A 3/230/50	10800
QA 14 PM - 1A 3/230/50	11600
QA 14 PM - 2A 3/230/50	12400
QA 10 PG - 1A 3/230/50	3900
QA 10 PG - 2A 3/230/50	4600
QA 11 PG - 1A 3/230/50	5400
QA 11 PG - 2A 3/230/50	6200
QA 11 PG - 3A 3/230/50	7000
QA 12 PG - 1A 3/230/50	7700
QA 12 PG - 2A 3/230/50	8500
QA 13 PG - 1A 3/230/50	9300
QA 13 PG - 2A 3/230/50	10800
QA 14 PG - 1A 3/230/50	11600
QA 14 PG - 2A 3/230/50	12400
QA 10 PN - 1A 3/230/50	3900
QA 10 PN - 2A 3/230/50	4600
QA 11 PN - 1A 3/230/50	5400
QA 11 PN - 2A 3/230/50	6200
QA 11 PN - 3A 3/230/50	7000
QA 12 PN - 1A 3/230/50	7700
QA 12 PN - 2A 3/230/50	8500
QA 13 PN - 1A 3/230/50	9300
QA 13 PN - 2A 3/230/50	10800
QA 14 PN - 1A 3/230/50	11600
QA 14 PN - 2A 3/230/50	12400
QA 10 PN - 1B 3/230/50	3900
QA 10 PN - 2B 3/230/50	5000
QA 11 PN - 1B 3/230/50	5400
QA 11 PN - 2B 3/230/50	6200
QA 11 PN - 3B 3/230/50	7000
QA 12 PN - 1B 3/230/50	7700
QA 12 PN - 2B 3/230/50	8500
QA 13 PN - 1B 3/230/50	9300
QA 13 PN - 2B 3/230/50	10800
QA 14 PN - 1B 3/230/50	11600
QA 14 PN - 2B 3/230/50	12400

MODEL	MAX. BURNER POWER (kW)
QA 10 PGM - 1A 3/230/50	3900
QA 10 PGM - 2A 3/230/50	4600
QA 11 PGM - 1A 3/230/50	5400
QA 11 PGM - 2A 3/230/50	6200
QA 11 PGM - 3A 3/230/50	7000
QA 12 PGM - 1A 3/230/50	7700
QA 12 PGM - 2A 3/230/50	8500
QA 13 PGM - 1A 3/230/50	9300
QA 13 PGM - 2A 3/230/50	10800
QA 14 PGM - 1A 3/230/50	11600
QA 14 PGM - 2A 3/230/50	12400
QA 10 PNM - 1A 3/230/50	3900
QA 10 PNM - 2A 3/230/50	4600
QA 11 PNM - 1A 3/230/50	5400
QA 11 PNM - 2A 3/230/50	6200
QA 11 PNM - 3A 3/230/50	7000
QA 12 PNM - 1A 3/230/50	7700
QA 12 PNM - 2A 3/230/50	8500
QA 13 PNM - 1A 3/230/50	9300
QA 13 PNM - 2A 3/230/50	10800
QA 14 PNM - 1A 3/230/50	11600
QA 14 PNM - 2A 3/230/50	12400
QA 10 PNM - 1B 3/230/50	3900
QA 10 PNM - 2B 3/230/50	5000
QA 11 PNM - 1B 3/230/50	5400
QA 11 PNM - 2B 3/230/50	6200
QA 11 PNM - 3B 3/230/50	7000
QA 12 PNM - 1B 3/230/50	7700
QA 12 PNM - 2B 3/230/50	8500
QA 13 PNM - 1B 3/230/50	9300
QA 13 PNM - 2B 3/230/50	10800
QA 14 PNM - 1B 3/230/50	11600
QA 14 PNM - 2B 3/230/50	12400

## QA SERIES

### Available accessories

The following options or accessories are available on request:

#### OPTION OR ACCESSORY

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Feed water pump level control – up to 7,5 kW

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Feed water pump level control – up to 18 kW

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Desk type control panel (overprice respect wall-mounted version)

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IP 55 protection degree (overprice respect IP 54 version)

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Leakage control LDU 11 mounted on control panel

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