



Date : 23/06/2016
DOC : PS R-5-2-1

DRAUGHT AXEL FLAME BAR BURNER RANGE, EC Version.

Family:

Draught burner for low gas pressure.

Main applications:

Conveyer ovens, traditional ovens, roasted bean ovens, boiling pans and bat pans, dryers,

A combustion air supply blower equips this centered flame line burner range. Adapted for the commercial cooking appliances, this range present 3 different diameters flame holder: 34mm (one model), 48mm and 60mm. The max heat value is 60kW approx. The modulating heat value modulation signal can be 0-10V or 4-20mA direct plugging on the flame controller.

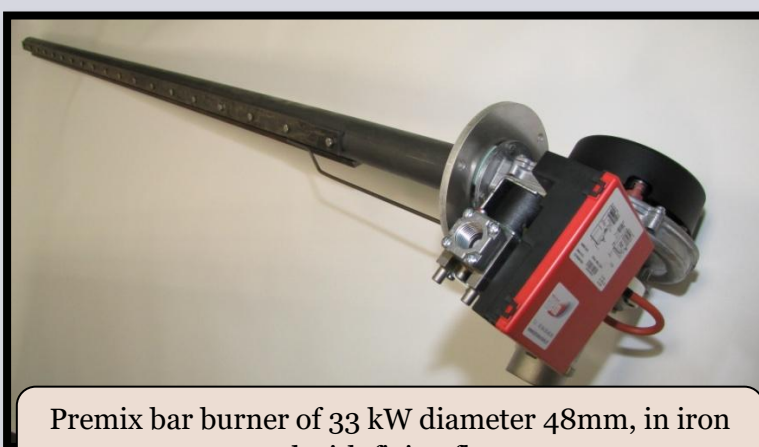
This range works only with an electronic and automatic flame controller and without pilot.

Those burners can work with natural gas G25 at 25mbar, in butane at 30 mbar or 50 mbar and in propane G31 between 37 to 50mbar. For any gas type, the pressure shouldn't pass over 65mbar.

Those burners are manufactured in compliance of the standards EN 203-1 and EN203-2-x and the GAR2016/426



Premix bar burner of 21 kW diameter 34mm, in iron steel.



Premix bar burner of 33 kW diameter 48mm, in iron steel with fixing flange.

Designation	Item code
Premix axel flame bar burner, flame support Ø 34mm flame line 450 à 550mm	Limited range
Premix axel flame bar burner, flame support Ø 48mm flame line 420 à 1200mm	Customized
Premix axel flame bar burner, flame support Ø 60mm flame line 750 à 2850mm	Customized
Venture and air-gas distributor	Further adjustment
Injector type ESYS short	Further adjustment
Solenoid gas valve block VK4115V lateral outlet,	50004726
Draught flame controller in 230Vac, S4965V single electrode	15000680
wire beam for the flame controller S4965V	50004928
Fan engine NRG118 in 230Vac	50004393
Command mother board ET35ASBP in 230Vac	50004920
Flame control electrode diameter 3mm length 200mm with sealed HV wire	50000381
Flame control electrode type SR600 Ø3mm	15000175
Flame control electrode type SR600 Ø4mm	15000177



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Technical characteristics	Ø 48mm	Ø 60mm
Minimum heat input in natural gas 20 mbar/ propane 37-50mbar further the flame line length:	22 kW (Hi) 420mm	25 kW (Hi) 530mm
Max heat input in natural gas 20 mbar/ propane 37-50mbar further the flame line length:	35 kW (Hi) 1250mm	70 kW (Hi) 2850 mm
Flame orifice type	Piloted holes	Piloted holes
Flame line wild	20 mm	22 mm
Flame line length min	420mm	530mm
Flame line length max	1250mm	3150mm
Flame bar support material	Iron steel	Iron steel
Height of the flame support	58mm	70mm
Distance between the top of the flame support and the bottom of the heated surface.	60 to 70mm	75 to 100mm
Gas inlet fitting:	Diameter F 1/2"	Diameter M 3/4"

The max length bar burner is adjusted further the tub flame holder diameter and the number of flame lines. (2 or 3 flame lines choice). The most used range is with 3 flame lines for the compact solutions). For high heat value higher than 60kW, with Ø60mm, 4 flame lines are proposed.

To contact us for any project using premix burners. All premix burners are customized answering to the customer specification.

Air-gas injection set assembled with horizontal gas inlet.

Command mother board ET35ASBP in boiling pan mode.

