Leading The Way In Burner Technology

INVERTERJET 300/HM

HIGH MODULATING GAS BURNER

FOR TECHNICAL HELP / ADVICE
Phone: 01204 393 222
Email: info@burnertech.co.uk
Visit: www.burnertech.co.uk

BURNERTECH ENGINEERS LIMITED
Unit C, Lostock Industrial Estate, Lostock Lane
BL6 4BL, Bolton, UK

Burnertech

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Heat output 320kW

Pre-mix low NOx

Low CO: < 10ppm

Stable modulation > 5

Precise control of combustion

Pneumatic / Electronic control

Our Inverterjet 300/HM is composed of precision machined components.

The fully patented burner head is a special metallic fibre which has an inverted flame that simulates a standard gas burner but has the advantage of forward flame, yet is fully premixed and consequently gives very clean and stable combustion.

The pneumatic mixing system allows for control of the gas and air mix throughout the modulation range.

The microprocessor based burner controller is made for fan assisted, direct burner ignition applications. The control operates on 230/110 volts, 50-60 Hz and drives the gas valve and DC-fan. Normal heat demand is given by a 230 /110 VAC switch input. Modulation can be controlled by incorporating N.T.C sensors or by external 0 - 10V/4 - 20mA signal.

The Controller has the inputs and outputs to fully control a boiler and water heater including weather compensation and modulation outputs for up to 2 pumps. It also has a full cascade and sequence control for up to eight Boilers.

A special test mode controlled through the communication port of the controller can be used to service and initially set up the burner.

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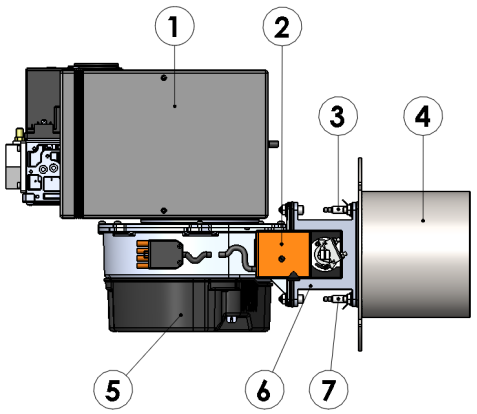
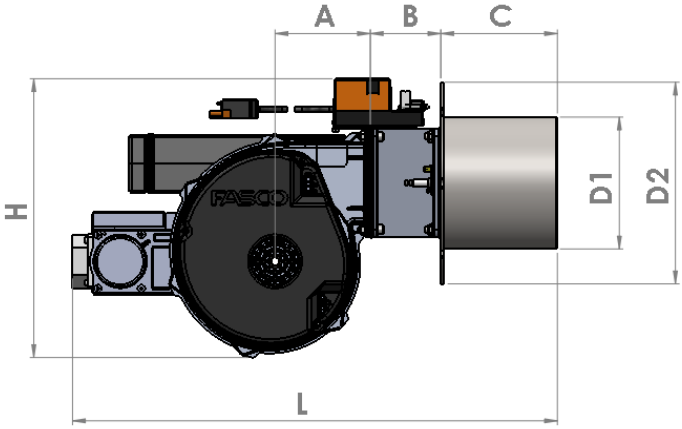
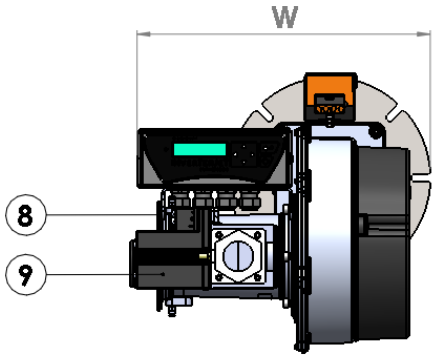
Main Components



(1) Controller [Inverterjet Burner Manager]
(2) Actuator
(3) Ignition Electrode
(4) Inverterjet Burner Head
(5) Premix Fan Housing
(6) Inverterjet Damper
(7) Flame Probe
(8) Venturi
(9) Gas Valve

Dimensions





MODEL	A	B	C	D1	D2	H	L	W	Weight
	mm	mm	mm	mm	mm	mm	mm	mm	Kg
Inverterjet 300/HM	126	88	151	Ø170	Ø260	354	626	351	22

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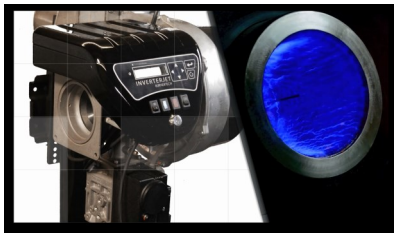
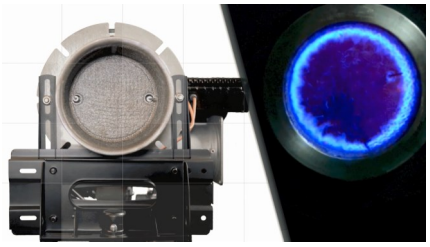
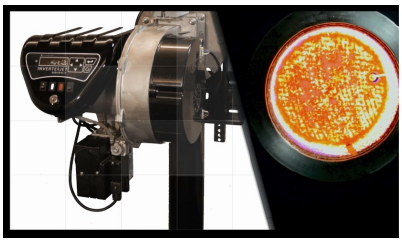
Technical Data

MODEL	INVERTERJET 300/HM
Type	Pre-Mix Burner
Fuel	Natural Gas
Power min-max [kW]	32– 320
Modulation:	10 : 1
Fan Nominal Voltage Range [VAC]	120/230
Frequency [Hz]	50/60
Phase	1 ~
Gas Connection	1“ BSP
Gas Pressure Min - Max [mbar]	20 - 100
NOx level [ppm]	<10
CO [ppm]	<10
Modulating Damper	Yes







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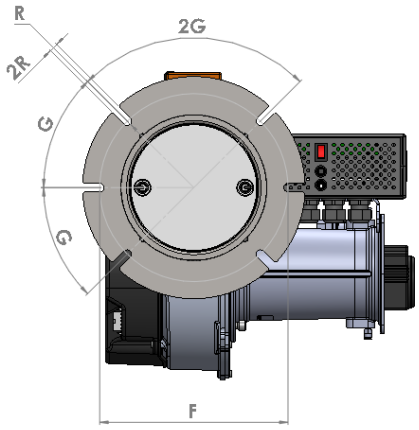
Mounting Dimensions

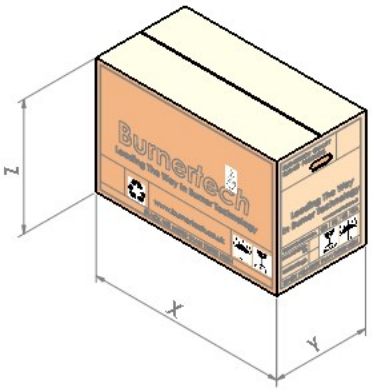


Model	F	G	2G	R	2R
	mm	deg.	deg.	mm	mm
Inverterjet 300/HM	220	45˚	90˚	5	10

Packaging

Supplied with:

- Mounting Flange Gasket
- User Manual



Model	X	Y	Z	Qty / Box	Weight (Full Box)
	mm	mm	mm		kg
Inverterjet 300/HM	790	550	600	1	65

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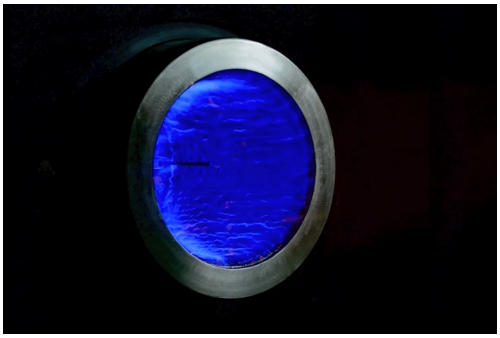

An Inverterjet running at high thermal load condition.

The successful CDG Chaudagaz boiler range is an example of a typical application where Burnertech Inverterjets are used.

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Engineers Ltd.
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Lostock Lane, Bolton, BL6 4BL, UK
E: info@burnertech.co.uk
T: +44 (0)1204 393222