



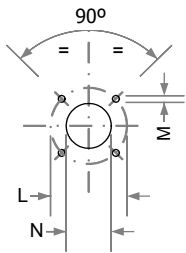
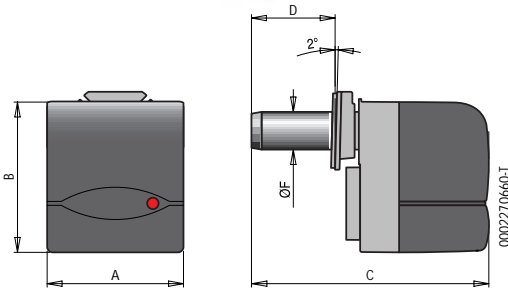
### TECHNICAL AND FUNCTIONAL CHARACTERISTICS

- Light oil burner.
- Single stage operation (on/off).
- Ability to operate with any type of combustion chamber.
- High pressure mechanical atomisation of fuel using nozzle.
- Ability to obtain optimal combustion values by regulating combustion air and blast-pipe.
- Maintenance facilitated by the fact that the atomisation unit can be removed without having to remove the burner from the boiler.
- Manual air flow adjustment.
- When using biodiesel light oil (fuel of vegetable origin), the burner must be built with specific components: flexible hoses, line filter and pump.
- Equipped with one 7 pole connector, one flange and one insulating seal for boiler fastening, 2 flexible hoses, one line filter and one nozzle.
- On request: longer blast tube, operation on biodiesel.

### CONSTRUCTION CHARACTERISTICS

The burner consists of:

- Light aluminium alloy fan part.
- High performance centrifugal fan.
- Combustion air inlet with device to adjust the air flow; automatically closing air gate.
- Sliding coupling flange to adapt the head protrusion to the various types of boilers (with the exception of BTL 3, BTL 3H).
- Adjustable combustion head complete with steel blast tube and deflector disk.
- Monophase electric motor to run fan and pump.
- Gear pump with pressure regulator and fuel stop-cock valve.
- Variable output fuel preheater (H version).
- Automatic control and command equipment for the burner compliant with European standard EN230.
- Flame detection by photoresistance.
- 7 pole outlet for burner electrical and thermostat supply.
- Electrical protection rating IP40.
- Sound-proof plastic protective cover.



Flange Mounting Dimensions

L		M	N
min	max		
135	161	M8	85

Conforms to:  
 E.M.C. Directive 89/336/CEE  
 L.V. Directive 73/23/CEE  
 Reference standard: EN267

Thermal output kW	Model	Part no.	Max visc. °E at 20°C	Electrical supply	Motor kW	A mm	B mm	C mm	D mm	F mm	Size of packaging L x P x H mm	Weight kg	Notes
17.8 - 42.7	BTL 3	35450010	1.5	1N AC 50Hz 230V	0.09	250	217.5	330	90	80	400 x 280 x 280	9	1)

### Optionals

Description
200 mm long combustion head for BTL 0-3
Biodiesel operation

### Light oil burner accessories

Line filter - Flex hoses - Nozzle - Boiler coupling kit - 7 pin plug
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### Notes

Equipped with air closure device.
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Net calorific value of light oil: Hi = 42.70 MJ/kg = 10200 kcal/kg.

