



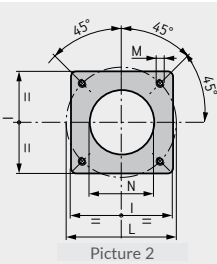
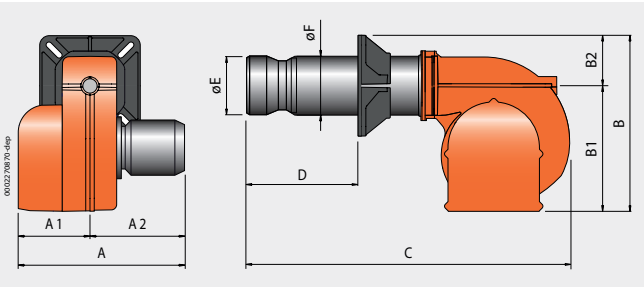
# LIGHT OIL BURNERS BTL 20





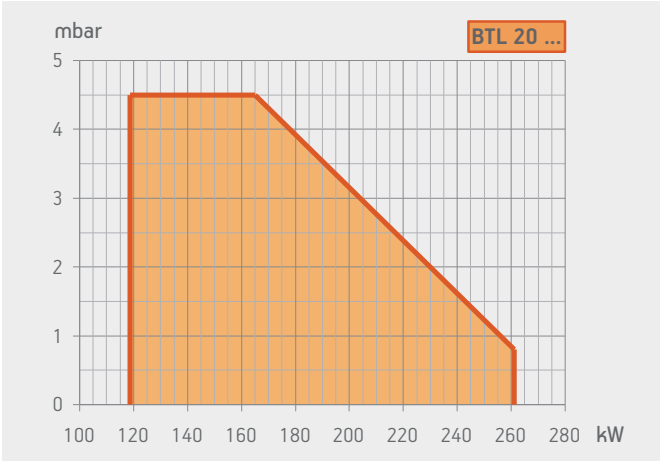
Light oil burner. Operation:

|                                                                                                                                 | BTL 20<br>single-stage | BTL 20 P<br>two-stage |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------|
| Adjusting the combustion head.                                                                                                  | •                      | •                     |
| Maintenance facilitated by the possibility of removing the combustion head without having to remove the burner from the boiler. | •                      | •                     |
| Sliding boiler coupling flange to adapt the blast-pipe to the various types of boilers.                                         | •                      | •                     |
| Combustion air intake with butterfly valve. Air flow adjustment:                                                                | manual                 | electric servomotor   |
| Fully closing air damper on shutdown to avoid loss of heat through the chimney.                                                 | •                      | •                     |
| Device made of sound-absorbing material to reduce fan noise.                                                                    | •                      | •                     |
| Fuel supply circuit made of gear pump with pressure adjustment and shut-off valves.                                             | •                      | •                     |
| Flame detection by photoresistance.                                                                                             | •                      | •                     |
| Electric protection rating:                                                                                                     | IP40                   | IP40                  |
| Sound-proof plastic protective cover.                                                                                           | •                      | •                     |



Flange dimensions and boiler drilling template.

| Model    | A mm | A1 mm | A2 mm | B mm | B1 mm | B2 mm | C mm | D mm      | E mm | F mm | I mm | L mm      | M mm | N mm | Pic. |
|----------|------|-------|-------|------|-------|-------|------|-----------|------|------|------|-----------|------|------|------|
| BTL 20   | 303  | 158   | 145   | 368  | 275   | 93    | 645  | 100 ÷ 250 | 114  | 114  | 185  | 170 ÷ 210 | M10  | 120  | 2    |
| BTL 20 P | 303  | 158   | 145   | 368  | 275   | 93    | 645  | 100 ÷ 250 | 114  | 114  | 185  | 170 ÷ 210 | M10  | 120  | 2    |



| Model    | Size of packaging |     |     | Weight |
|----------|-------------------|-----|-----|--------|
|          | L                 | P   | H   |        |
|          |                   | mm  |     | kg     |
| BTL 20   | 780               | 370 | 410 | 18     |
| BTL 20 P | 780               | 370 | 410 | 18     |

|                 | Thermal output<br>kW | Model    | Part no. | Max visc.<br>°E at 20°C | Electrical supply | Motor<br>kW | Notes |
|-----------------|----------------------|----------|----------|-------------------------|-------------------|-------------|-------|
| Frequency 50 Hz |                      |          |          |                         |                   |             |       |
|                 | 118,6 ÷ 261,0        | BTL 20   | 35630010 | 1,5                     | 1N AC 50Hz 230V   | 0,18        | 1) 3) |
|                 | 118,6 ÷ 261,0        | BTL 20 P | 35640010 | 1,5                     | 1N AC 50Hz 230V   | 0,18        | 1) 3) |
| Frequency 60 Hz |                      |          |          |                         |                   |             |       |
|                 | 118,6 ÷ 261,0        | BTL 20   | 35635410 | 1,5                     | 1N AC 60Hz 220V   | 0,25        | 1) 3) |
|                 | 118,6 ÷ 261,0        | BTL 20 P | 35645410 | 1,5                     | 1N AC 60Hz 220V   | 0,25        | 1) 3) |

OPTIONALS

DESCRIPTION

500 mm long combustion head

Biodiesel operation (5)

LIGHT OIL BURNER ACCESSORIES

Line filter, flex hoses, nozzle, boiler coupling kit, plug for wiring.

NOTES

- 1 Equipped with air closure device.
  - 3 Soundproof lid on burner air intake.
  - 5 Biodiesel according to european norm EN14213-FAME.
- Net calorific value of light oil: Hi = 42,70 MJ/kg = 10200 kcal/kg.



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