



## OIL BURNER C492B



Year 1  
study

### Features

- Flame Failure Device.
- Adjustable Fuel Pressure with Jet Atomisation.
- Integral Fan with adjustable air volume control.
- Push button Control Box with integrated fault diagnostic.
- Ignitor and Burner Head.
- 2:1 turn down ratio
- multi fuel grade use.

### Description

Package burner with integral fan and control box. Pressure jet atomisation. Two interchangeable nozzles of 1.5 and 2.0 US gall/hr (5.1 & 7.57 L/hour) are supplied. These work at 8 to 15 Bar (116 to 200 psi) with 60° spray angle, giving heat rates up to 108kW approx. (depending on fuel). NOTE MAXIMUM PRESSURE ON KEROSENE is 10 Bar

### Related Laws/Applications

- Building services
- Mechanical Engineering
- Marine engineering
- Chemical engineering
- Mining engineering
- Environmental engineering
- Energy Conservation
- Industrial Research
- Vocational, Plant Maintenance
- Fuel Technology
- Thermodynamics

**Learning capabilities**

- Familiarisation of the adjustment and operation of a commercial Oil burner.
- Assessment of a burner
- Firing rate
- Turndown range
- Flame stability
- Flame shape
- Flame radiation
- Smoke emission
- Using either clean light boiler fuels, or natural gas or LPG
- The effect of air/fuel ratio on Combustion efficiency as measured by flue gas constituents and temperature.
- The effect of air/fuel ratio on Heat transfer
- The effect of air/fuel ratio on Energy balance
- Comparison of Flue Gas Analysis with theoretical predictions.
- Comparison of Oil and Gas Burners (With optional extra Burner)
- Comparative performance of different fuels or fuel additives.

**Technical Specification**

- Oil Burner: Package burner with integral fan and control box. Pressure jet atomisation. Two interchangeable nozzles of 1.5 and 2.2 US gall/hr (5.1 & 7.57 L/hour) working at 8 to 15 Bar (116 to 200 psi) with 60° spray angle, giving heat rates up to 108kW approx. (depending on fuel).
- NOTE MAXIMUM PRESSURE ON KEROSENE is 10 Bar

**Essential Ancillaries**

- C492/230/B
- (or C492/115/B)

**Recommended Ancillaries**

- C492A

**What's in the Box?**

- 1 x C492 Oil Burner
- 2 x Fuel Tank
- Oil Flowmeter Display Unit
- Drip tray
- Smoke Test Kit
- 1 x Tool kit
- Instruction manual
- Packing list
- Test sheet
- Wiring Diagram

**You might also like**

- C492A
- C492C
- C492D

**Essential Services**

- C492/230/A or C492/115/A

**Ordering information**

To order this product, please call PA Hilton quoting the following code: C492B

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COUNTRY OF ORIGIN - UK WARRANTY PERIOD - 5 YEARS