



"Miniature Steam" 4" Horizontal Boiler

4" Horizontal Boiler: P/N 4054

- including Ceramic Burner, Safety Valve, Pressure Gauge & Boiler Test Certificate.

Overall Dimensions:

Total height 140 mm (5.51")
Chimney height above barrel 110 mm (4.33")
Height to top of steam dome 150 mm (5.91")
Total width 110 mm (4.33")
Length including burner 205 mm (8.07")
Length not including burner 175 mm (6.89")
Weight empty including burner 2.2 kg (77.6 oz)
Running time per fill @ 80 psi (approx) 20 min
Maximum working pressure 80 psi (6 bar),
Test pressure 160 psi (12 bar)

Suitable for use with all "Miniature Steam" engines but necessary for maximum performance when powering "Miniature Steam" Mildura & Gem slide valve engines and steam plants using twin Clyde engines.

Generally suitable for any twin cylinder engine up to 19 mm bore including powering stationary steam engines (at scale speed) such as beam engines up to 1" bore x 2" stroke and horizontal mill engines up to 1-1/2" bore/ 1-1/2" stroke

Lagging Kit:

Each boiler is delivered with a wood lagging kit as shown plus fitting instructions



Design & Construction Standards:

"Miniature Steam" boilers are built to the highest quality standards. They are manufactured to comply with the relevant sections of the Australian Miniature Boiler Safety Committee (AMBSC) Code Part 1 -.Issue 7 - 2001 Copper Boilers. "Miniature Steam", Boilers also comply with Australian Standard AS 4343 Hazard level E. Every aspect of the boilers has been carefully designed and rigorously tested to meet the highest possible steam generation performance. Each has been designed and manufactured by "Miniature Steam", including the cast ceramic burner insert.

The AMBSC standards are recognised through the world as the most stringent for model boilers.

Materials Used

All "Miniature Steam" boilers are hand crafted from copper and copper alloys silver soldered together. Each boiler is hydraulically tested to twice its working pressure and comes complete with a test certificate. They have unique mounting systems that enables them to be mounted in any convenient location within the boat hull. The pressure gauge shown is standard for this boiler

1 1/2" Ceramic Burner Assembly P/N 4040

This center flue burner has been specifically designed and manufactured for 4" boilers but could be useful for other similar center flue boilers.

A key feature is the use of a cast ceramic burner inserts, designed and manufactured by "Miniature Steam" that have a specific port pattern for each size of burner, enabling highly efficient combustion. It requires a maximum 70/30 Butane/Propane gas mix or Butane/ISO Butane/Propane mix.



Manufacturer:

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