

OBYVERT
Vertical Watertube Steam Boiler

Efficient, Compact, Ultra-Low Emissions



OBYVERT Vertical Watertube Steam Boiler

One of the most efficient steam boilers available today. Three-pass, natural circulation water wall design. 92% thermal efficiency across the full operating range. Australian Standards compliant. Ultra-low emissions.

92%

Thermal Efficiency

800 kg/h

Steam Output

12 Bar

Design Pressure

15 Min

Time to Steam

Design Features



Energy Efficiency

- Up-firing burner
- Large steam chamber
- Handles fluctuating demand



Next-Gen Pre-Mix Burner

- Higher efficiency
- Lower emissions
- Improved turn-down ratio



Alloy Steel Economiser

- High efficiency
- Standard equipment



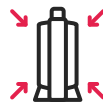
PLC Control as Standard

- Touch screen display
- BMS connectivity
- Remote monitoring



Unattended Operation

- Real-time monitoring
- Configured for unattended use



Vertical Compact Design

- Space-efficient
- Heavy-duty continuous commercial demand



Reduced Carbon Footprint

- Ultra-low emissions
- Australian Standards compliant



Competitive Price Point

- Co-designed by O'Brien
- Multiple capacities available

Lower carbon, lower cost, higher reliability – through engineered energy systems.

Technical Specifications

500kW OBYVERT – Model Specifications

Performance	
Design Evaporation	800 kg/hr
Thermal Efficiency	92%
Design Pressure	12 bar
Design Temperature	192°C
Exhaust Temperature	72°C
Fuel Consumption	58.2 m³/h
Time to Steam Production	15 Minutes
Time to Rated Pressure	20 Minutes

PHYSICAL	
Dimensions (L x W x H)	2200 x 1100 x 2300 mm
Weight	2.000 Kg

CONNECTION	
Water Inlet	DN40
Main Steam	DN50
Blowdown	DN40
Chimney	DN250

Delivered & Commissioned



*4 x 500 KW
Obyvert Steam Boiler
at Ensign, Truganina VIC*

Why O'Brien?

- **Australia's Largest**

Leading supplier of industrial boilers across Australia

- **20+ Years Experience**

Decades of engineering expertise in steam & hot water systems

- **24/7 Support**

Around the clock support with instant phone assistance

- **Accredited Training**

RTO Code 45484, boiler operation training nationwide

- **Tailored Solutions**


Custom engineered, with no off the shelf compromises


- **765+ Active Clients**


Trusted across Australia and internationally

Ready to engineer your energy solution?

Connect with us at

 1300 771 759

 obrien-energy.com.au

 sales@obrien.energy

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