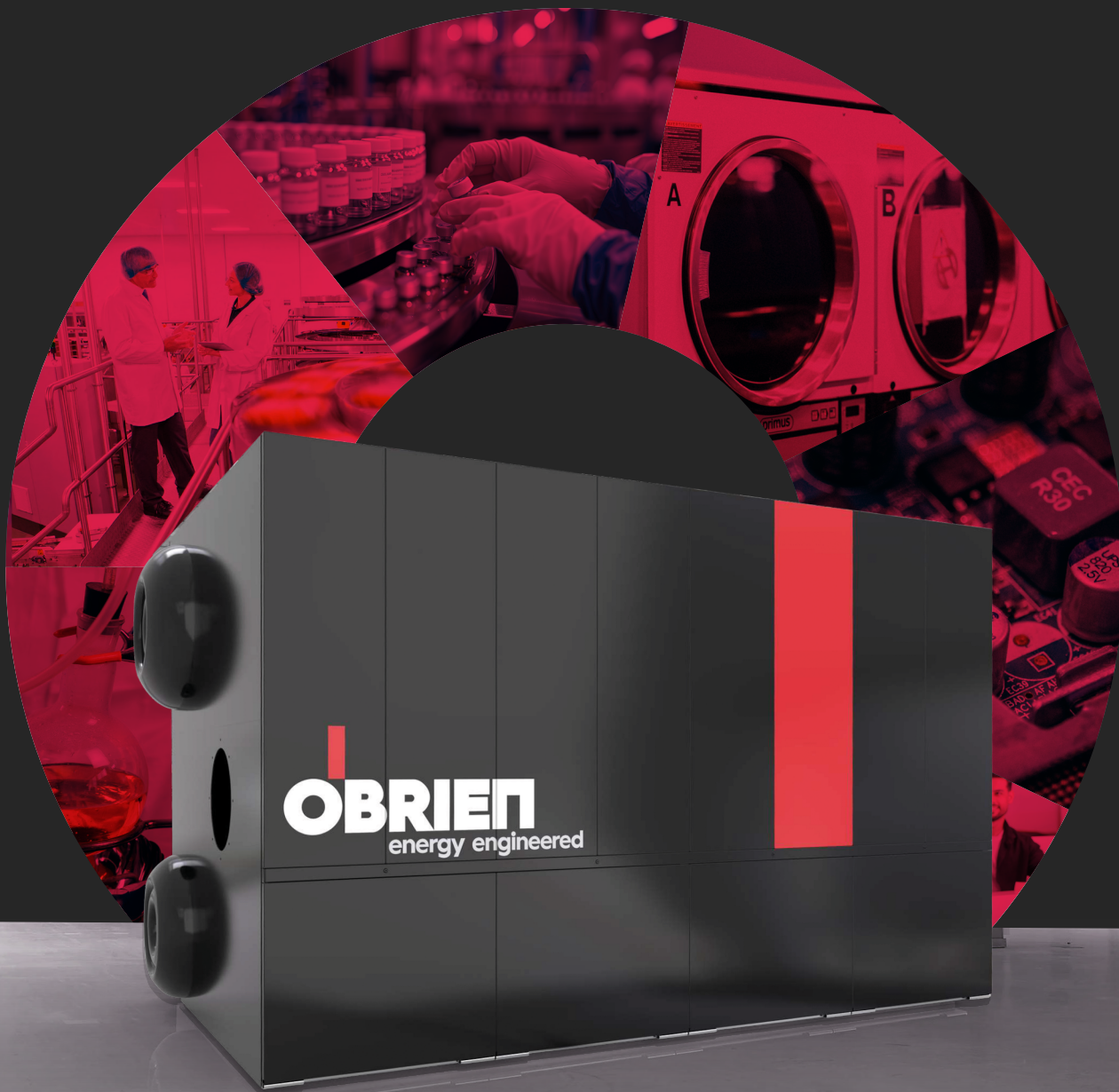




OBY-88

Watertube Steam Boiler

Efficient, Reliable, Built to Last



OBY-88

Watertube Steam Boiler

O'Brien and Australian engineered. Longitudinal 2-drum, D-type chamber combustion. 4–25 t/h steam. 12.5–25 bar. Bigger capacities available on request.

4-25 t/h

Steam Production

16 MW

Max Capacity

25 bar

Max Pressure

Australian

Engineered

Design Features



2-Drum D-Type Body

Longitudinal · Flexible chassis supports · Lateral expansion



Membrane Cooling Walls

Sealed · No smoke leakage · Micro-positive pressure combustion



Manholes & Check Doors

Upper and lower drums · Rear access · Prevents vaporisation



Silicate Fibre Insulation

Furnace temp under 45°C · Efficient heat loss control



Vibration-Proof Fasteners

High temp convection tubes — prevents pipe fracture



CNC Machined Components

Steel tubes · Circling · Drilling — reduces assembly stress



Cr25Ni20 Steel Membrane

Between furnace and convection tubes · No refractory needed



Spiral Finned Economiser

Flue gas to economiser before chimney discharge

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

Technical Specifications

Model Breakdown

Model	Steam (t/h)	Capacity (MW)	Pressure (bar)	Water (m³)	Volume (m³)	Dimensions L x W x H (mm)	Weight (t)
OBY-88 4	4	2.5	12.5/16/25	5.9	7.8	6175 × 2950 × 3110	22
OBY-88 6	6	4	12.5/16/25	6.6	9.8	6450 × 3350 × 3460	33
OBY-88 8	8	5	12.5/16/25	9.8	6.6	6910 × 3150 × 3450	36
OBY-88 10	10	6	12.5/16/25	8.5	11.8	7590 × 3660 × 3680	39
OBY-88 15	15	9	12.5/16/25	11	14.5	8400 × 3690 × 3670	44
OBY-88 20	20	13	12.5/16/25	11.5	14.7	8400 × 3960 × 3900	48
OBY-88 25	25	16	12.5/16/25	12.3	16.1	9200 × 3960 × 3900	51

** Bigger capacities and higher pressures available on request*

Operating Parameters

Performance	
Steam Production Range	4–25 t/h
Nominal Capacity Range	2.5–16 MW
Design Pressure	12.5 / 16 / 25 bar
Extended Capacity	Available on request
Construction	
Boiler Type	Longitudinal 2-Drum · D-Type combustion chamber
Furnace Insulation	High-Class silicate fibre · Max 45°C surface temp
Membrane Wall Material	Cr25Ni20 Stainless Steel
Combustion Chamber	Membrane Water Cooling · Micro-Positive Pressure
Manufacturing	CNC Machined · Australian Engineered

Delivered & Commissioned



*Nyrstar 2 x 15MW OBY-88
at Hobart, TAS*



*Primo 2 x 6 MW OBY88
at Chullora, Sydney NSW*

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



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