



# Commercial Pool Heating Systems from **HI-TECH PACIFIC**

## 4 Reasons why you should choose a Hi-Tech Pool Heating System

### Lower Energy Costs

Energy prices only go one way – upwards! However, a Hi-Tech Pacific Commercial Pool Heating System can reduce your current gas heating costs by up to 30%!

### Faster Pool Heat Up

The Rinnai boiler, plus the high efficiency heat transfer of the Bowman titanium heat exchanger, increases pool temperatures quicker, getting the pool up to temperature much faster!

### Long Life Durability

The quality of components used in the Commercial Pool Heating System provide long life durability and operational reliability!

### Quick Capital Payback

With substantially reduced energy costs and faster pool availability, initial capital outlay is repaid much quicker!

## Inside the Hi-Tech Pacific Pool Heating System

### High Quality Components

At the heart of the Commercial Pool Heating System you'll find the highest quality components from well-known manufacturers. We use only Rinnai commercial grade, gas fired water heaters, linked to Bowman titanium swimming pool heat exchangers, which provide the most efficient way of heating swimming pool water indirectly, making the system the most reliable and effective available in Australia today.

### Bowman Titanium Heat Exchangers

Proven throughout the world and accepted to be the most efficient swimming pool heat exchangers available, Bowman titanium heat exchangers are manufactured with a titanium tube core and corrosion resistant end covers. They are suitable for use with chlorinated water, sea water and spa pools and have a full 10 year guarantee on all titanium material in contact with pool water.

## Rinnai Commercial and Condensing Water Heaters

Rinnai high efficiency condensing water heaters are the ideal choice for the commercial pool operator. Not only are they the most reliable water heaters available, they can operate at efficiencies of up to 94%. This can make a significant impact on the annual gas bill for the smallest of swim schools, hotels and resorts right up to the largest municipal swimming complexes.

Rinnai condensing water heaters utilise the latest technology available and feature a combined stainless steel and copper heat exchanger in each water heater.

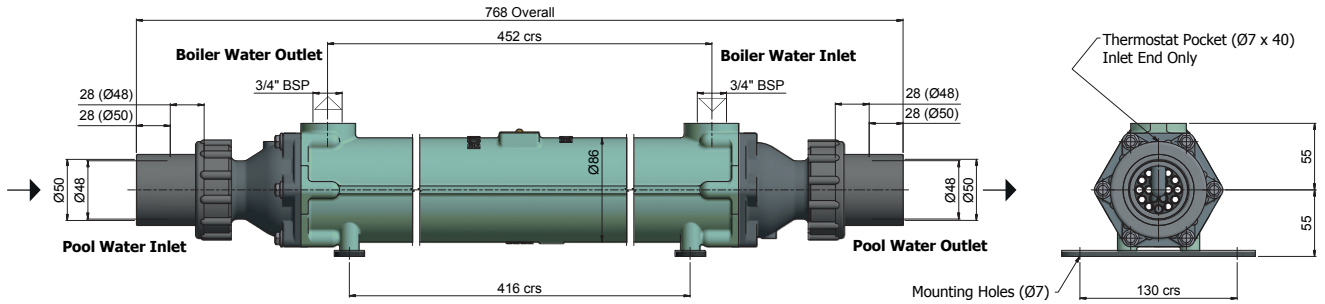
The high grade stainless steel component captures residual heat from the exhaust gas to preheat incoming water entering the main copper heat exchanger.

More information can be obtained from Rinnai on 1300 555 545.

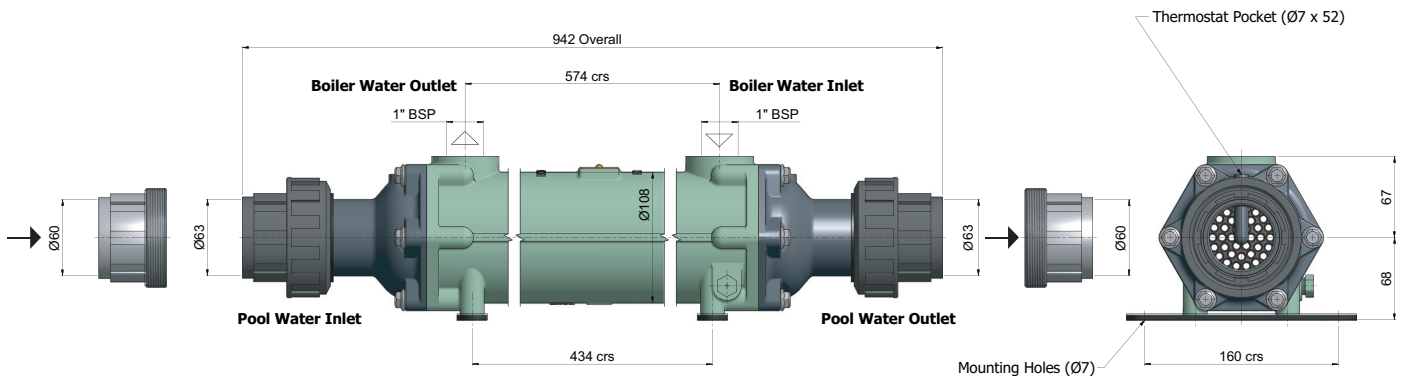
### Product Features

- Highly efficient Rinnai commercial grade water heaters are used as the primary heating source
- Forced draught burner system
- Up to 94% thermal efficiency
- 18 different outputs available from 27kW up to 550Kw
- Bowman titanium heat exchangers used for secondary heating circuit
- 100% heat transfer between the water heater and Bowman units
- 10 year warranty against corrosion on titanium components inside the Bowman heat exchanger
- 5 year warranty on the Rinnai boiler heat exchangers
- Elimination of condensation within the primary heat exchanger (main cause of heat exchanger sooting in atmospheric pool heaters)
- System comes complete with top up tank, digital thermostat control, over temperature manual reset control, primary circulating pump and all primary water connections already complete. All equipment is supplied installed to a heavy gauge aluminium or galvanized frame.
- The system can also be supplied in component form for easier installation into retro fit installations.

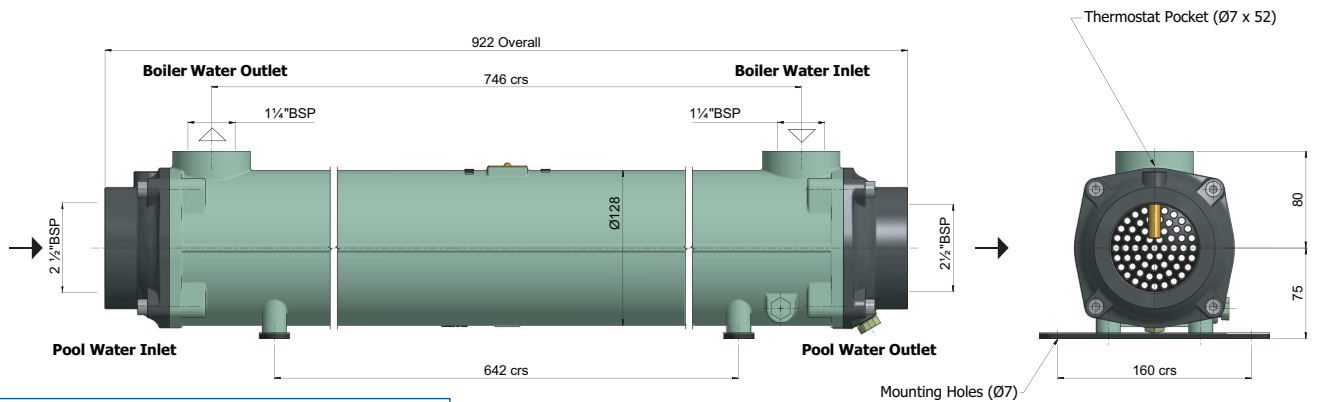
# Bowman Hi-Tech Commercial Heat Exchangers



Model Number: EC160-5113-5 Weight: 9kg



Model Number: FC160-5114-5 Weight: 17kg



Model Number: FG160-5115-5 Weight: 25kg

## Specifications – Higher outputs are available on appointment

Boiler Ratings Chart - The Ozone Layer

Type	Boiler rating at 83 deg C	Rec. Boiler Water Flow (l/m)	Pool Water Flow (l/m)	Pool DP - kpa	Heat transfer at 20 degree Pool Water (kW)	Nominal Pool Size Cubic Metres
EC160-5113-5	55kW	20	250	18.6	55	120
FC160-5114-5	110kW	40	380	20.6	110	240
FC160-5115-5	220kW	80	480	22	220	480
FG160-5115-5	330kW	120	650	34.2	330	700

Please contact Hi-Tech Pacific Australasia for sizing confirmations.

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