

Gas



AquaMAX™
WATER HEATERS

**“You’re always
in hot water
with AquaMAX”**



ALL AUSTRALIAN STAINLESS STEEL GAS WATER HEATERS

Think Hot Water, think AquaMAX.



Why do Aussies love AquaMAX so much?

Award winning AquaMAX high efficiency Gas hot water systems keep your whole team in steaming hot water all year round.

Energy efficient Mains Pressure hot water that keeps up with any demand you throw at it. AquaMAX hot water systems are built to last using the latest technology and backed by **ten year** stainless steel cylinder warranties.¹

And AquaMAX are made by Aussies for Aussie conditions, right here at home so, no matter how large your team is, you can count on AquaMAX to go the distance.

EXPERIENCE

AquaMAX has a long and proud history. From the days of our holding company (previously called Pyrox Limited) to present day we have been associated with design and manufacture of gas water heating in the Australian hot water market for over sixty years.

The envy of the industry for our high efficiency and long life products, we have created low maintenance products that provide current installers and consumers with confidence for the future.

Ask your plumber about the industry record of our water heaters and we are very confident our reputation will speak for itself.



This is one tough Hot Water System



STAR PERFORMERS

With our new release Five Star performers, the AquaMAX 340 and 390, you'll always have hot water when you need it. Their unique stainless steel cylinder out-performs any domestic storage or continuous flow hot water system in the market and comes complete with a 10 year cylinder warranty.¹

Our flagship model AquaMAX 390 has a massive 390 litres available in the first hour and 185 litre per hour recovery,² you're unlikely to ever run out of hot water.

If your pipe work has the right flow rate, these mains pressure units can keep up with the highest demand, even when you turn on the second, third or fourth tap, the hot water flow remains constant.

STAINLESS STEEL, BUILT TO LAST

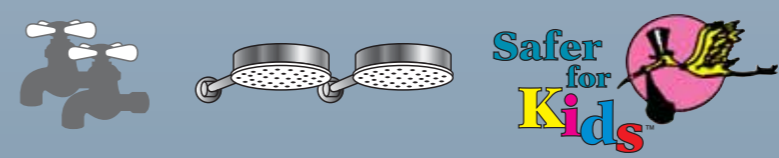
Constructed from high grade stainless steel, the AquaMAX stainless steel cylinder and heat exchanger will resist corrosion for a substantially longer period than conventional vitreous enamel and bonded ceramic cylinders as well as copper heat exchangers used in continuous flow units. Conventional cylinders use additional surface coatings and sacrificial anodes while continuous flow copper heat exchangers have many copper bends and water turbulators. A stainless steel cylinder is free from both, which means there is much less to go wrong.



GUARANTEED PEACE OF MIND

Built to stand up to almost any conditions, our water heaters are backed by a ten year warranty¹ on the stainless steel cylinder, and a 12 month unit warranty for all parts and labour.

Your peace of mind is assured with a warranty that stands by our commitment to building the best quality water heaters .



“The advantages the new AquaMAX 340 and 390 have over other gas storage water heaters demonstrates significant improvement in gas water heater development”

Hot Water Heater Comparison⁵



**AQUAMAX
340 & 390**



**Old Style
Storage**



**Continuous
Flow**

| | | | |
|---|-------|--------------|--------------|
| Time for hot water to reach tap | Quick | Quick | Slow |
| Less peak period greenhouse gas pollution | Yes | No | No |
| Delivery of two different hot water temps at same time (kitch/bathrm) | Yes | No | No |
| Australian Designed | Yes | Yes | No |
| Australian Made/Australian Jobs | Yes | Yes | No |
| Australian Owned (manufacture) | Yes | Some | No |
| Designed for Australian conditions | Yes | Yes | No |
| Price of Heater Installation | Low | Low | Mod - High |
| Fast Recovery | Yes | No | Yes |
| Suit 1-6 people | Yes | No | No |
| Instant Hot Water | Yes | Yes | No |
| Full Mains pressure | Yes | Yes | No |
| Remote Control (via digital control) | No | No | Yes |
| Remote Control (via mixing tap) | Yes | Yes | Some |
| 5 Star Energy Rating | Yes | No | Some |
| Stainless Steel Cylinder | Yes | No | N/A |
| Stainless Steel Heat Exchange | Yes | No | No |
| Latest Burner Technology | Yes | No | Yes |
| Latest pilot Technology | Yes | No | Yes |
| 10 year Cylinder Warranty | Yes | No | N/A |
| Solar Compatible | Yes | No | Some |
| Drinkable Hot Water | Yes | No | No |
| Needs Sacrificial Anode | No | Yes | No |
| Simple & Quick installation | Yes | Yes | No |
| Cost of Installation | Low | Low | High |
| Uses existing Gas supply pipe | Yes | Yes | No |
| Needs 240V external power point | No | No | Yes |
| Hot Water available during power failure or poor gas supply | Yes | Yes | No |
| Water Wastage | Low | Low | High |
| Noisy Operation | No | No | Yes |
| Use more than one tap at a time without flow reduction | Yes | Yes | No |
| Thermal Efficiency | 85% | 76% (approx) | 80% (approx) |
| Heat loss every time a hot tap is used | Low | Low | High |

Water Delivery Selection Chart

| CONTROL A | CONTROL B | Approximate delivered water temp | Single Draw Delivery |
|-----------|-----------|----------------------------------|----------------------|
| | | °C | Litres (approx.) |
| 2 | 4.0 | 50°C | 250 |
| 3 | 4.5 | 60°C | 205 |
| 4 | 4.5 | 65°C | 175 |
| 5 | 5.0 | 75°C | 145 |

Note: The above values are to be used as a guide only. They are based on a cold water inlet temperature of 15°C.

The perfect fit for any home...

...and much kinder to our resources



5 Star



390: YOU CHOOSE THE MIX

The AquaMAX 390 patented inbuilt mixing valve gives you 390 litres first hour delivery with a five star energy rating.

While the tank holds 155 litres, the stainless steel cylinder can store water at a much higher temperature than a vitreous enamel tank. The mixing valve (Control A) adds a controlled mix of cold water at the unit's hot water outlet, giving 205 litres or more hot water delivery in the initial draw, at 60°C² or at the setting you choose when Control B is set at 4.5 or higher.

With 185 litres recovery per hour after that, the 390 is the largest volume domestic storage water heater available.

As an installation option, your plumber can install twin temperature delivery. This will give you greater flexibility so you can enjoy the convenience of 65°C² hot water in the kitchen and laundry when you need it, while taking comfort in the knowledge that it is safer for kids⁴ with bathroom hot water taps at 50°C² or lower.

(see below for settings)

TEMPERATURE ADJUSTMENT FOR AQUAMAX 390

The 390 water heater is fitted with two water temperature control valves: (Refer to diagram)

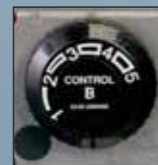
(a) A water mixing valve labelled 'Control A' which controls the temperature of water delivered from the unit. By opening

the water mixing valve the heater can deliver water below 50°C while the tank water is maintained above 60°C.

(b) A thermostatic valve labelled 'Control B' which controls the temperature of the tank water.



'Control A' 3.0
Mixing Valve Control A
(Water delivery temp.
50°C approx.)²



'Control B' 3.5
Thermostat Control B
(Stored water temp.
65°C approx.)²

5 Star



340: PERFECT FOR NEW HOMES

The AquaMAX 340, five star energy rated water heater has all the features of the 390, with the exception of the mixing valve.

Specifically designed for installation in new homes, where an approved tempering valve must be fitted by law to guard against scalding. Your plumber will fit an approved tempering valve on the hot water line, restricting water to a maximum of 50°C³ (in this type of installation, the mixing valve is of no additional benefit).

Or you can also add our multi-fit Tempering Valve Kit to the AquaMAX 340, and determine what hot water goes where in your home. Water can then be supplied for example, at 65°C² in the kitchen and laundry, with bathroom and ensuite outlets receiving 50°C or lower.



UPGRADE TO SOLAR ANY TIME YOU WANT

Our award winning Solarmax systems offer significant financial and environmental savings with boosted capacity that will ensure you never run out of energy efficient hot water.

Both the AquaMAX 340 and 390 have the capability to upgrade to a twin tank Solarmax system using your existing unit.

So if you are still not sure on going solar or you just want to spread the cost, AquaMAX gives you the freedom to upgrade your system at your pace. This can be especially helpful with emergency replacements where you want to upgrade to solar but can't wait several weeks for the solar installation.

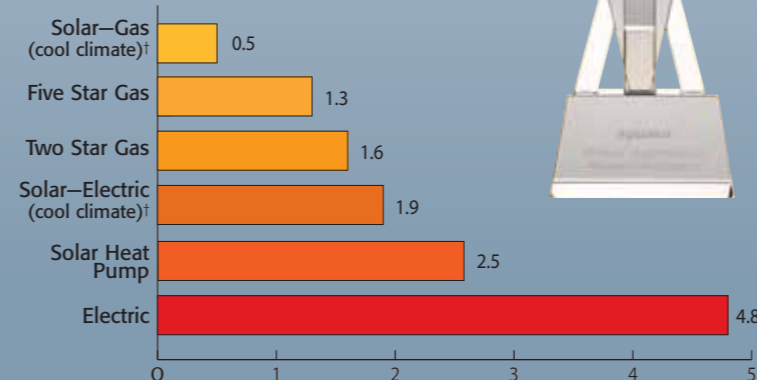
Upgrading to solar can also qualify you for additional Government assistance, check conditions on State and Federal websites.



ANNUAL GREENHOUSE EMISSIONS

If you would like to help save the planet and control climate change by limiting greenhouse emissions then this table (below) will be of interest.

Energy Efficient Product of the Year 2004



Tonnes of greenhouse gas per year
Annual greenhouse gas emission based on 200 litres per daily water use. ¹ cool climate receives 60% solar contribution eg Melbourne. Source: Global Warming: Cool It! A Home Guide to Reducing Energy Costs and Greenhouse Gases, Australian Greenhouse Office, 2001.

WATER CONSERVATION

Water is fast becoming a very precious asset in Australia, with a national appeal seeking changes from the wider community to achieve greater water conservation.

The AquaMAX 390 and 340 offer significant water saving advantages over the alternate option of continuous flow water heating. Continuous flow water heaters take time to heat the initial supply of water to the required temperature. This results in excessive wastage down the drain or additional water filling to baths and sinks to reach the temperature required. AquaMAX units supply hot water into your plumbing system at the selected temperature from the first drop.

The counter claim that continuous systems will never run out unlike storage systems, is now also a thing of the past; with the new advanced design of the AquaMAX 390 and 340 delivering super quick recovery keeping the whole house in hot water. In fact any regular household that can cause a new AquaMAX unit to 'run out' may have some serious water conservation issues to discuss with certain members of the family.

TEMPERATURE CONTROLS

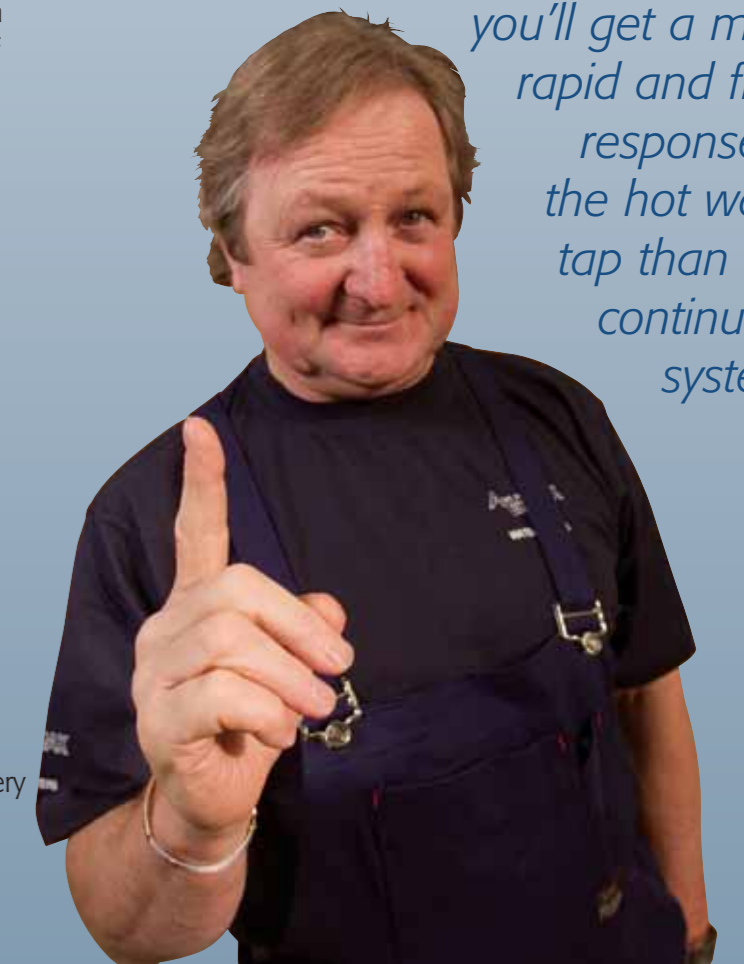
Beware of claims by some continuous flow hot water companies that remote temperature controls are a must for every bathroom. These controllers change the temperature at the water heater not at the shower head or tap so there is a considerable delay in response time and they can only change the temperature at one degree intervals.

The normal hot water tap provides more rapid and finer response than most remote controllers and if fine setting of temperature is important then the very attractive and large range of mixing taps can be a lower cost alternative to wiring in of controllers.

AQUAMAX 340 & 390 RECOVERY RATE (Litres)

| MODEL | 390 ² | 340 ² | 340 ³ |
|---------------------------|------------------|------------------|------------------|
| Stainless steel tank size | 155 | 155 | 155 |
| Initial draw capacity | 205 | 155 | 255 |
| Recovery rate @ 45°C rise | 185 | 185 | 185 |
| First hour capacity | 390 | 340 | 440 |

"With AquaMAX you'll get a more rapid and finer response at the hot water tap than any continuous system"





1800 676 000

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ENERGY EFFICIENT

The ability to produce hot water using the least amount of gas is very important to you the consumer.

AquaMAX Gas Water Heaters operate with greater thermal efficiency using the latest burner and pilot technology. Our 390 and 340 models operate at over 85% thermal efficiency which is significantly better than the continuous flow units which are only around 80% and traditional storage water heaters with efficiency around 76%.

Based on Australian Gas Association efficiency testing, the AquaMAX 390 and 340 models will cost around \$185 per year⁶ for an average family using 200 litres of hot water at 65°C per day. These results indicate the 340 and 390 use less gas for every litre of hot water produced and are competitive even with solar units. If a solar water heater saves 60% of your energy cost this would equate to around \$110 per annum.

As a result, AquaMAX Gas and Solar/Gas Water Heaters create significantly less greenhouse emissions, compared to most other water heaters while saving water unlike continuous flow water heating which wastes water every time a tap is turned on.

- 1 Full Warranty conditions available on request from AquaMAX Pty Ltd. Call Toll Free 1800 676 000
- 2 Based on an inlet water temperature of 15°C
- 3 Where an approved tempering valve is fitted and inlet temperature of 15°C
- 4 Registered Trademarks of AquaMAX Pty Ltd
- 5 Responses based on majority of models sold into the Australian market with some exceptions
- 6 20630 MJ per year at \$0.009 per MJ of natural gas; check your own gas account for actual cost



AQUAMAX 390 & 340 SPECIFICATIONS

| | 390 AQUAMAX (WITH MIX) | 340 AQUAMAX (WITHOUT MIX) |
|---|------------------------------|---------------------------------|
| Cat. No. | AQUAMAX 390 | AQUAMAX 340 |
| Gas type | Natural | Natural |
| Tank capacity | 155 Litres | 155 Litres |
| Nominal gas consumption | 40 MJ/Hr | 40 MJ/Hr |
| AGA Star Rating Index | 5 stars | 5 stars |
| Recovery rate at 45°C rise | 185 Litres/Hr ² | 185 Litres/Hr ² |
| Installation type | External only | External only |
| Pressure & temperature relief valve setting | 1400 kPa/99°C | 1400 kPa/99°C |
| Max. water supply pressure | 1100 kPa | 1100 kPa |
| Tank material | stainless steel | stainless steel |
| Water inlet connection | Rp 3/4" female | Rp 1/2" female |
| Water outlet connection | Rp 3/4" female | Rp 1/2" female |
| Gas connection | 1/2" compression | 1/2" compression |
| Warranty | 10 years (on cylinder) | 10 years (on cylinder) |
| WaterMark licence number | W200 | W200 |
| Overall height | 1635 mm | 1635 mm |
| Width (approx.) | 520 mm | 520 mm |
| Depth (approx.) | 610 mm | 610 mm |
| AGA approval number | 6114 | 6114 |
| Weight empty (approx.) | 59 kg | 59 kg |

