

**hurlcon**

**HM hydronic heating  
HB hot water boilers**



# **hurlcon** HM hydronic heating and HB hot water boilers

It took little more than a decade for Hurlcon gas boilers to become the dominant force in the swimming pool and spa heating market. With the release of the HB and HM boilers that technology is now available for commercial hot water and hydronic heating applications. Hurlcon's success is built on three key factors.

All Hurlcon boilers are amazingly reliable – almost indestructible – and safe. They are easy to use and install and they offer great value for money.

## **Safe and Reliable.**

Commercial gas boilers are not usually produced in great numbers. But the Hurlcon HB and HM Series boilers are based on the highly successful Hurlcon MX Series pool and spa heaters.

This gives them the benefit of high volume production and the advanced technology needed for greater efficiency performance and reliability are now available for commercial boiler applications. These technologies include:

- An all copper, double row heat exchanger.
- Bronze headers with brass sensor pockets
- Corrosion resistant stainless steel burners.

- A built-in flow-switch at no extra cost to protect the boiler.

- A weather-proof balanced flue to provide reliable performance even in high winds.

- Fully powder coated cabinet

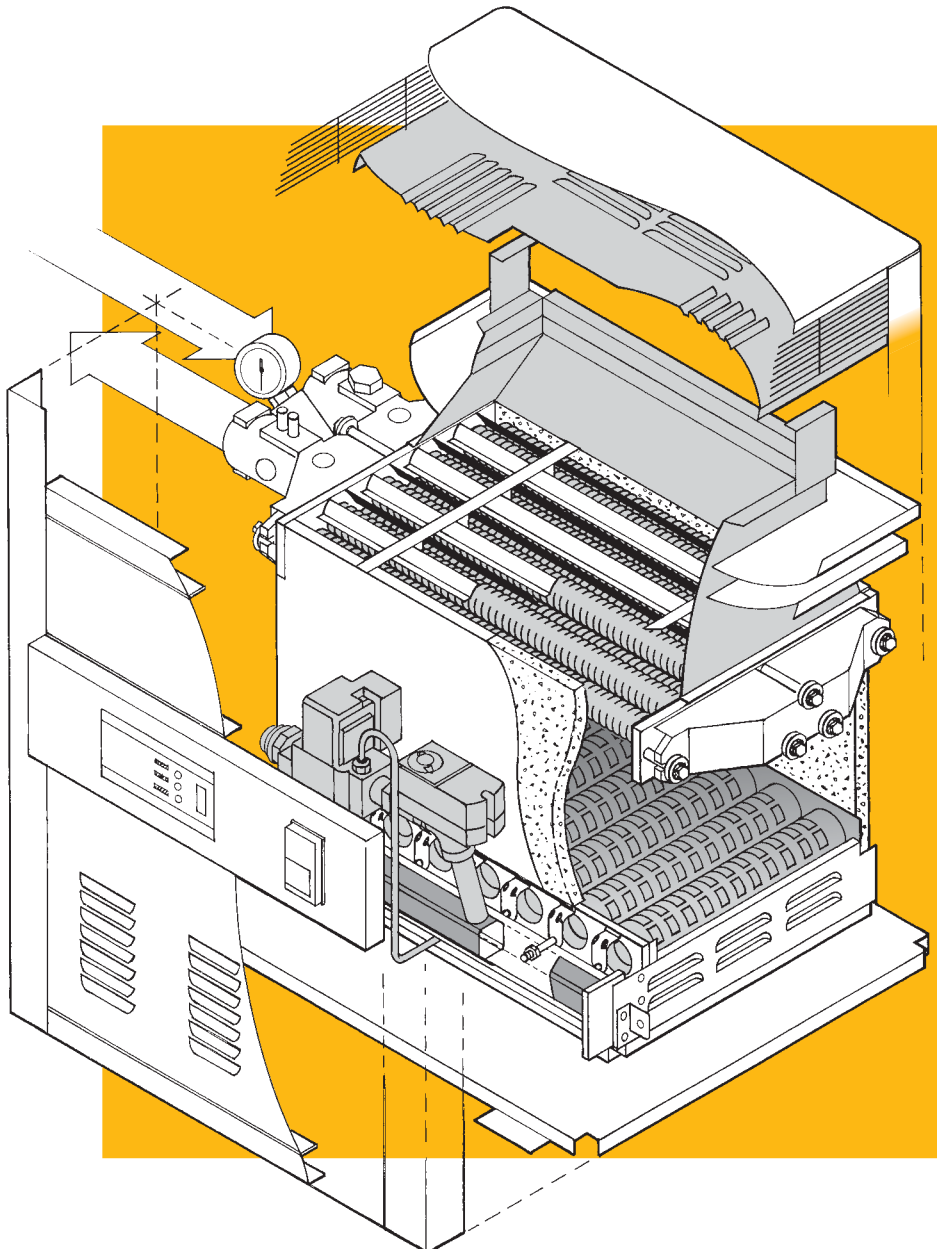
- Powder coated flue terminal for high temperature resistance and longer life.

- Hot surface intermittent pilot for positive lighting every time.

- A built-in run-on timer for the pump maximises heat gain, lowers operating costs and improves safety.

- A manual reset high limit protects against over temperature.

**All of which justifies a 12 month warranty.**



# Hurlcon HM hydronic heating and HB hot water boilers

The HM Series incorporates a full modulating 5 to 1 downturn, which prevents rapid cycling and energy wastage, making it ideal for low water content heating systems. The HB Series "On-Off" boiler is ideal for bulk hot water supplies using a storage tank or with a ring main of sufficient size. Perhaps the greatest gain from the Hurlcon pool and spa boilers is in their electronics and operating systems.

The HB and HM Series provide the ultimate in convenience and control. **Operational Ease and Accuracy.**

- HM has PID control with auto tune maintains accurate water temperature and lowers operating costs.
- It also has set point shift via building automation system which means low cost integration.
- Both HB and HM feature set and flow temp displays to provide accurate information at a glance.

- Both have electronic ignition to improve efficiency and lower operating costs.

Even installation is simplified:

- All electrical pre-wiring with a 3-pin power supply.
- Built-in flow-switch and pump run-on timer.
- A terminal box for pump, room thermostat and outdoor compensation for the HM Series.

## Hurlcon HB Boiler Flow Rates in Litres per Hour.

Model	Temp Rise	30°	40°	50°	60°	70°	80°	90°
HB100		740	555	444	370	317	277	247
HB150		918	689	551	459	395	344	306
HB200		1225	918	735	612	525	459	408
HB250		1531	1148	918	765	656	574	510
HB300		1837	1378	1102	918	787	689	612
HB400		2232	1674	1339	1116	957	837	744
HB500		3061	2296	1837	1531	1312	1148	1020

## Hurlcon HM Boiler Flow Rates in Litres per Second.

Model	At 10° C Rise	Pressure drop kPa	At 15° C Rise	Pressure drop kPa	At 20° C Rise	Pressure drop kPa
HM200	1.06	0.89	0.71	0.89	0.53	0.25
HM250	1.33	1.53	0.89	1.53	0.66	0.44
HM300	1.59	2.42	1.06	2.42	0.80	0.69
HM400	2.13	5.08	1.42	5.08	1.06	1.47
HM500	2.66	9.65	1.77	9.65	1.33	2.77

When a product combines reliability and accuracy with real efficiency it represents exceptional value-for-money.

While Hurlcon's boilers are reliable and accurate, they are also renowned for being extremely cost-effective.

### Low-Cost Operation.

- Double-row, counter-flow heat exchanger maximises efficiency and reduces running costs.
- Hot surface intermittent pilot minimises gas consumption and delivers reliable ignition every time.
- Low profile stainless steel burners are clean and super efficient.
- A built-in run-on timer maximises heat gain.

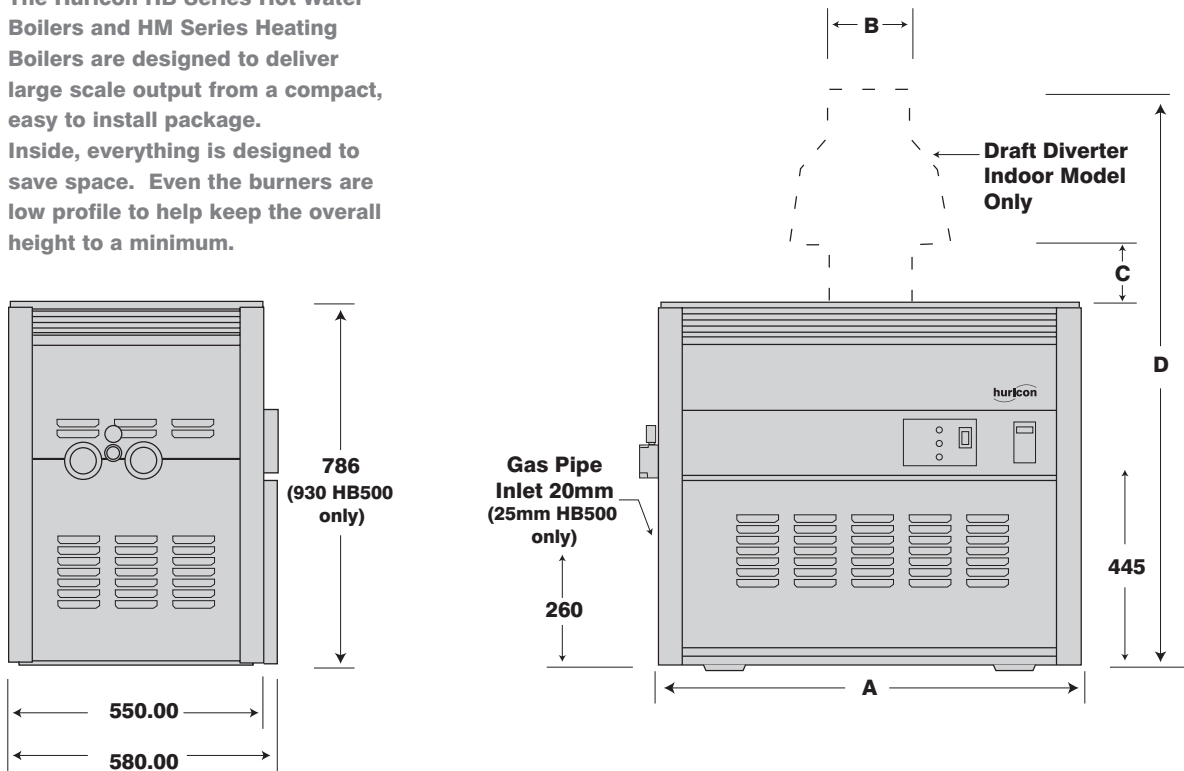
### HM also boasts...

- Outdoor compensation to reduce both add-on and running costs.
- And a modulation down-turn of 5:1 allows precise water temperature management without over or under shooting.

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## **Big Performance, Small Package.**

Space restrictions are common in many commercial installations. The Hurlcon HB Series Hot Water Boilers and HM Series Heating Boilers are designed to deliver large scale output from a compact, easy to install package. Inside, everything is designed to save space. Even the burners are low profile to help keep the overall height to a minimum.



## **Dimensions and Specifications.**

Model	Input MJ/hr	Output kW	Flue Size	Width mm	Height mm	Dimension			
						A	B	C	D
HB100	116	25	125mm	500	786	370	125	405	1515
HB150	142	35	125mm	550	786	460	150	405	1515
HB&HM200	192	43	150mm	545	786	640	175	405	1515
HB&HM250	240	55	175mm	545	786	710	175	405	1515
HB&HM300	288	64	200mm	545	786	775	200	410	1540
HB&HM400	350	80	250mm	545	786	910	250	515	1710
HB&HM500	480	109	300mm	545	930	1100	305	695	2110

Due to our policy of continuous improvement, we reserve the right to change specifications without notice.

Please check & confirm calculations before committing to a boiler capacity.

To download sample tender specifications on any hurlcon product, visit the website at [www.hurlcon.com.au](http://www.hurlcon.com.au)

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