

## New Blade 300 litre Water Heater

As part of our continuing development program Blades have now produced our new universal gas water heater, this offers clients a more simplistic universal frame configuration, allowing a variety of boiler/cylinder sizes and capacities to better match requirements to HW delivery within a standard space efficient frame. The new frame will give more flexibility on location and access for maintenance within both new and existing plant rooms. This has also allowed us to make our new server more competitive within an ever-evolving marketplace. All the usual Blade features are still included see below



70/300 MODEL ILLUSTRATED

This range of water heaters can be supplied with 30kW, 40kW, 50kW, 70kW, 90kW and 115kW boilers in conjunction with 300litre cylinders giving a range of model combinations to suit each site. All models can be supplied with space heating connections if required.

- Space efficient with reduced cylinder size and high recovery cylinder
- Reduces the risk of legionella with build-in anti-stratification facility
- Suitable for mains pressure systems
- Standardised modular design pre-configured factory assembled and tested prior to delivery to site reduces installation, commissioning and down time.
- The standard module design with uniform connections locations makes replacement of future upgrades very cost effective
- The freestanding self-contained rigid frame format allows Blades to be easily integrated into existing plant rooms during the boiler replacement program.
- 10year warranty and ERP compliant boilers all other component 2 year warranty
- Unique Stainless Steel cylinder with life time warranty comes complete with optional 3kW or 6kW immersion heater
- All major components readily accessible for easy maintenance or future replacement

## BLADE WATER HEATER TECHNICAL DETAILS

	<b>MODEL</b>	<b>30/300</b>	<b>40/300</b>	<b>50/300</b>	<b>70/300</b>	<b>90/300</b>	<b>115/300</b>
Boiler Size	kW	30	38	50	70	90	115
Cylinder Capacity	litres	300	300	300	300	300	300
Total Frame Length	mm	1235	1235	1400	1400	1400	1400
Total Frame Width	mm	600	600	700	700	700	700
Total Frame Height	mm	1890	1890	1890	1890	1890	1890
Weight Empty	kgs	155	155	202	202	263	263
Weight Full	kgs	460	460	505	505	558	558
SAP/SEDBUK seasonality efficiency 2009	%	89	89	88.5	88.6	88.7	88.5
Nat Gas Consumption (max)	m3/hr	3.45	4.13	5.43	7.4	9.77	12.07
LPG Consumption	l/hr	4.95	5.92	7.7	10.4	13.8	17
Heat Up from Cold 10°C	minutes	35	27.5	21	15	12	9.5
Variable Recovery	minutes	*	*	*	*	*	*
Cold Water Connection Copper	mm	22	22	28	28	35	35
Hot Water Connection Copper	mm	22	22	28	28	35	35
DHW Return Connection Copper	mm	22	22	22	22	28	28
Gas Connection Copper	mm	22	22	28	28	28	28
Condensate Connection Plastic	mm	35	35	35	35	35	35
Immersion Heater (back up only)	kW	3	3	3	3	3	3
Total Electrical Consumption	watts	205	205	230	270	465	505

\* Denotes:- once the cylinder is up to operating temperature the cylinder recovery rate is variable dependant on HW draw off and water main temperature

However owing to our progressive heat gain system this recovery rate will be significantly reduced by up to 40% than the heat time quoted.