

RANGE
3kW to 108kW

WATER HEATERS
580 to 4,180ltrs/hr

C20

ELECTRIC DOMESTIC HOT WATER HEATERS

Serving offices to restaurants,
changing rooms to leisure centres

3 stage controller available

1 to 7BARS working pressure

55°C to 90°C maximum working
temperature

Silent 99% GCV operation

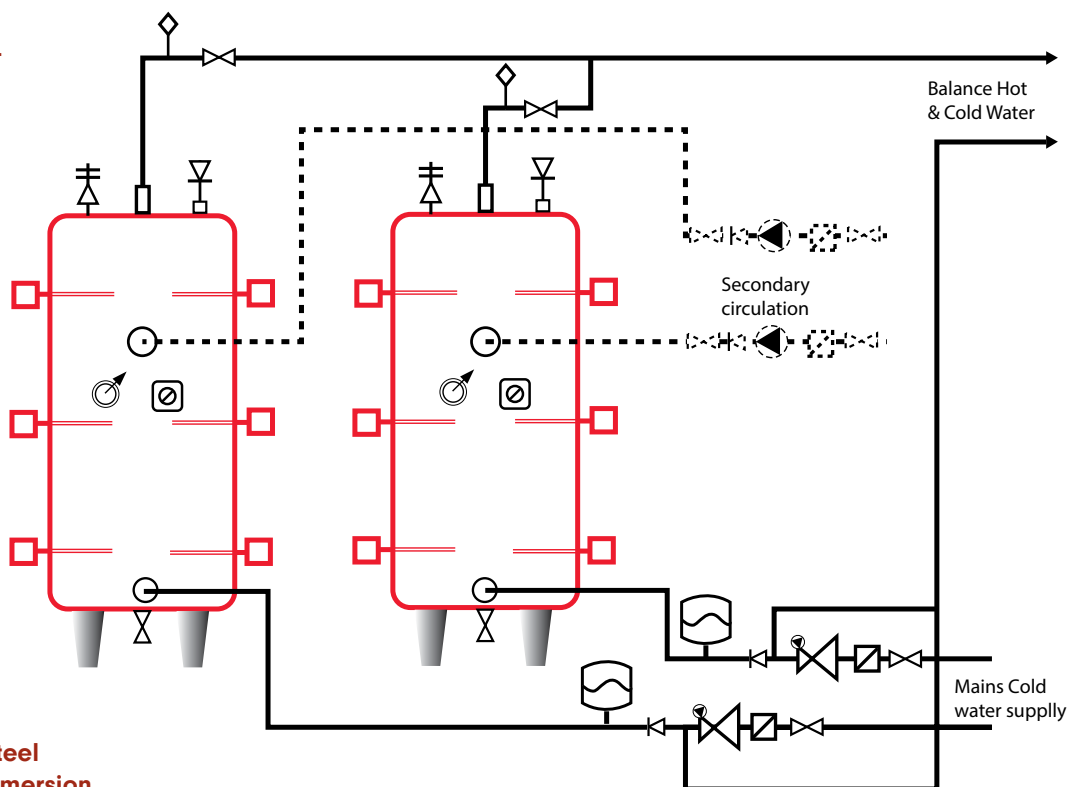


Model	300	500	750	1000	1500	2000	2500
Dry weight kgs	70	90	115	150	230	390	470
Water contents litres	300	500	750	1000	1500	2000	2500
Minimum pressure BARS	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Standard pressure BARS	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Maximum pressure BARS	8.0	8.0	8.0	8.0	8.0	8.0	8.0
DIMENSIONS							
C20 Model	300	500	750	1000	1500	2000	2500
Height mm	1700	1750	1660	2110	2390	2145	2645
Diameter mm	580	720	890	890	1020	1270	1270
Access front mm	1000	1000	1000	1000	1000	1000	1000
Access sides mm	500	500	500	500	500	500	500
Access rear & top	200	200	200	200	200	200	200

The C20 series buffer vessels are single wall tanks for electric domestic hot water generation and storage. **EXAMPLE OF PERFORMANCE** many economic solutions are possible.

Model	First 10 minutes output at 60°C in litres	First one hour's output at 60°C in litres
C20-300/3x6kW	330	580
Full load efficiency	99.4% GCV	99.4% GCV
C20-500/3x12kW	550	980
Full load efficiency	99.6% GCV	99.6% GCV
C20-750/6x9kW	830	1570
Full load efficiency	99.7% GCV	99.7% GCV
C20-1000/6x12kW	1110	2175
Full load efficiency	99.8% GCV	99.8% GCV
C20-1000/9x12kW	1250	2750
Full load efficiency	99.8% GCV	99.8% GCV
C20-1500/3x12kW	1450	1875
Full load efficiency	99.3% GCV	99.3% GCV
C20-2000/3x9kW	1875	2200
Full load efficiency	99.1% GCV	99.1% GCV
C20-2500/3x9kW	2335	2745
Full load efficiency	98.5% GCV	98.5% GCV

TYPICAL CIRCUIT



2 x C20 stainless steel cylinders with 6 immersion heaters in each cylinder

The description is :-

(a) The vessel is fabricated from chrome-nickel-molybdenum stainless steel, fitted with dished ends, argon-arc welded using the tungsten inert gas process, then de-stressed and surface treated. The vessels have a maximum working temperature of 90°C and a maximum working pressure of 8BARS

(b) The vessels are available in vertical (with legs) or horizontal (with cradles) form

(c) C20 series insulation is CFC-free polyurethane foam with a polyester outer jacket

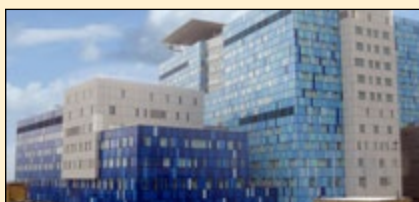
(d) Manufactured to ISO 9001:2000 (Certificate ESPMDD001829:27/11/03)

(e) Modules of 6kW, 9kW and 12kW single or three phase immersion heaters, having screwed bosses with fixed elements, 25mm cold zone and fitted with control and over-heat thermostats, plus IP55 polypropylene terminal enclosures

(f) Mountings pack with safety valve, anti-vacuum plug, high capacity automatic air vent and drain ball valve

(g) Unvented kit with ball valves, strainer, pressure regulating valve and gauge, non-return valve, expansion vessel(s), temperature & pressure relief valve

(h) Master Control Panel incorporating remote buffer vessel temperature sensor, step control of the immersion heaters and other accessories.



BARTS HOSPITAL, LONDON

The Barts Health new hospitals project is replacing many ageing buildings at St Bartholomew's (Barts) in Central London. For the cardiac centre of excellence include two Atlantic C20-1000 litres domestic hot water buffer storage vessels with three 18kW stages of heat input and a high level of thermal insulation. Standard capacities up to 6000 litres are available.

FOR TECHNICAL HELP/ADVICE Call 0161 621 5960
or email info@atlanticboilers.com

FOR FULL PRODUCT RANGE & LITERATURE
Visit www.atlanticboilers.com

ATLANTIC BOILERS, PO BOX 11, ASHTON UNDER LYNE, OL6 7TR T: 0161 621 5960 E: info@atlanticboilers.com www.atlanticboilers.com