

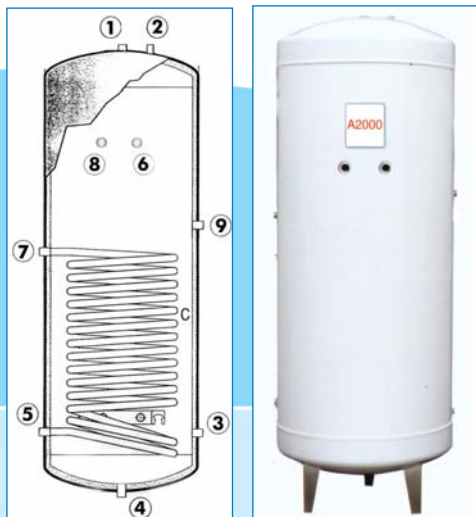
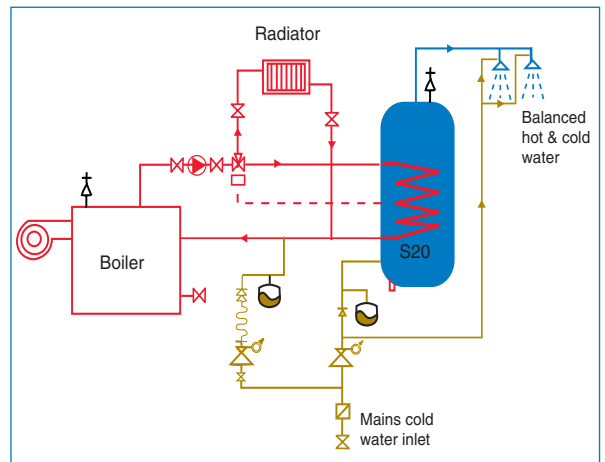
S20

S20 Calorifier with Serpentine Coil

OUTPUTS:
820 - 3530 ltrs/hr @ 60°C
300 - 1500 ltrs storage

ATLANTIC BOILERS was formed in 1980 to promote highly efficient boiler plant and supplied the first commercial gas condensing boilers in the United Kingdom in 1982. ATLANTIC BOILERS also supplies condensing and highly efficient domestic hot water generation, based on stainless steel manufacture. Stainless steel is hygienic, long lasting, resists scale build-up and is highly efficient at heat transfer. Manufacture takes place under ISO 9001:2000 (Certificate ESPMDD001829:27/11/03), under Directive 97/23/CE and according to EN 2883:1992/A1:1997. ATLANTIC BOILERS has supplied highly efficient and condensing domestic hot water generating plant to Universities, Hotels, Hospitals, Social Care Buildings, Leisure Centres, Offices and Housing Developments plus many other types of building. Coupled with the supply, ATLANTIC BOILERS

provides back-up commissioning, spares and servicing throughout the United Kingdom.



- Shorter Heat-up time - under 10 minutes
- Resistance to scale or chalk build-up in hard water areas
- Chrome-nickel-molybdenum stainless steel throughout resists soft 'acid' water

CAPACITIES						CONNECTIONS								
Model	Content litres	Input kW	Height/Length mm	Diam mm	Dry Weight kgs	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm	7 mm	8 mm	9 mm
S20-300	300	38.0	1725	570	81	25	20	25	20	25	15	25	15	20
S20-500	500	55.0	1780	730	113	25	20	25	20	25	15	25	15	20
S20-750	750	89.0	1930	830	159	32	20	32	20	40	15	40	15	20
S20-1000	1000	104.0	1780	1030	212	40	20	40	20	40	15	40	15	20
S20-1500	1500	138.0	2375	1030	265	50	20	50	20	40	15	40	15	20

PERFORMANCE							
Model	ltrs @ 60°C for 10mins	ltrs @ 60°C for 1st hr	ltrs/hr @ 60°C continuous	primary flow rate ltrs/sec	primary pressure drop kPa	peak secondary flow for 10 mins ltrs/sec	peak secondary pressure drop kPa
S20-300	320	860	650	0.53	4.5	0.53	0.4
S20-500	520	1310	940	0.87	17.0	0.87	1.5
S20-750	800	2070	1530	1.33	8.0	1.33	1.4
S20-1000	1040	2530	1780	1.75	13.2	1.73	1.3
S20-1500	1540	3530	2380	2.58	36.4	2.57	0.4

S20-2000litres & S20-2500litres available to order

SPECIFICATION

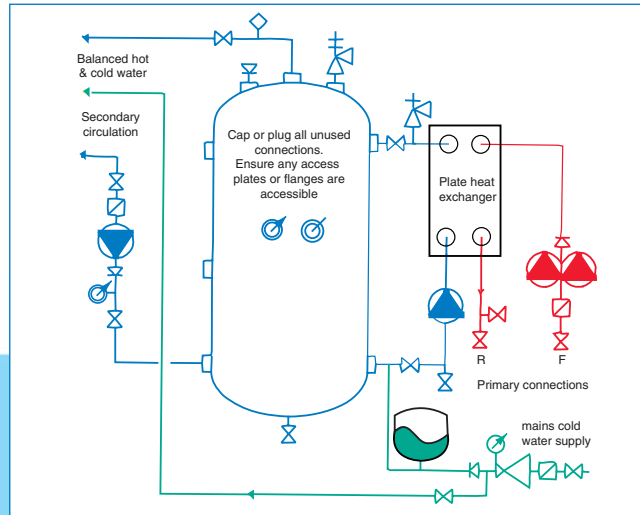
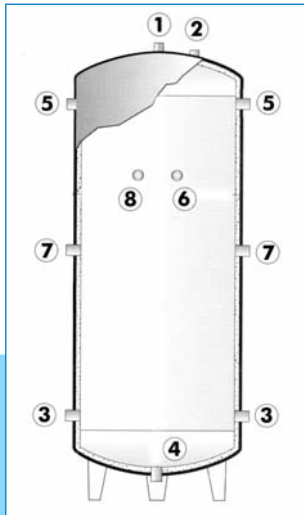
- The S20 Series are fast recovery calorifiers with inbuilt serpentine primary heating coils designed to reach the lower, cooler levels of water storage.
- The vessels are fabricated from chrome-nickel-molybdenum stainless steel, fitted with dished ends, argon-arc welded using the tungsten inert gas process, then de-stressed and surface treated. The vessels have a maximum working temperature of 90°C and a **maximum working pressure of 8 BARS**.
- The S20 Series has a primary heating coil manufactured from AISI 316 austenitic stainless steel having a maximum working temperature of 90°C and a **maximum working pressure of 10 BARS**.
- The vessels are available in vertical (with legs) or horizontal (with cradles) form.
- All the vessels are thermally insulated with rigid, mould-injected CFC-free polyurethane foam with removable polyester outer jacket.
- Manufactured to ISO 9001:2000 (Certificate ESPMDD001829:27/11/03), under Directive 97/23/CE and according to EN 2883:1992/A1:1997.
- All the models are thermally insulated with rigid, mould-injected CFC-free polyurethane foam (classification ASTM D-1692) with an outer hard finish in polyester

C20

C20 Buffer Storage Vessel

CAPACITY:
200 to 2500
ltrs storage

ATLANTIC BOILERS, formed in 1980, supplies condensing and highly efficiency domestic hot water generation, based on stainless steel manufacture. Stainless steel is hygienic, long lasting, resists scale build-up and is highly efficient at heat transfer. Manufacture takes place under ISO 9001:2000, under Directive 97/23/CE and according to EN 288-3:1992/A1:1997. ATLANTIC BOILERS has supplied highly efficient DHW generating plant to many types of important Buildings. Coupled with the supply, ATLANTIC BOILERS provides back-up commissioning, spares and servicing throughout the United Kingdom.



The C20 buffer vessel, alongside the RS TURBOFLOW plate heat exchanger, results in a lower and more efficient demand for boiler power. It also rapidly generates hot water at design temperature within 3 seconds of switching on and automatically overcomes problems of legionella.

- Single wall tanks for DHW storage for use with plate heat exchangers, storage water heaters etc
- Fabricated from chrome-nickel-molybdenum stainless steel

Model	Content litres	Height/Length mm	Diam mm	Dry Weight kgs	CONNECTIONS (see diag)							
					1 mm	2	3	4	5	6	7	8
C20-200	200	1220	570	38	32	20	32	20	32	15	32	15
C20-300	300	1725	570	69	32	20	32	20	32	15	32	15
C20-500	500	1780	730	95	32	20	32	20	32	15	32	15
C20-750	750	1930	830	128	32	20	32	20	32	15	32	15
C20-1000	1000	1780	1030	174	32	20	32	20	32	15	32	15
C20-1500	1500	2375	1030	255	40	20	32	20	32	15	32	15
C20-2000	2000	2080	1280	282	40	20	32	20	32	15	32	15
C20-2500	2500	2480	1280	343	40	20	32	20	32	15	32	15

Standard connections on stock vessels are as shown. Connections to request can be provided against a specific order

SPECIFICATION

- The C20 Series are single wall tanks for DHW storage and for use with the RS TURBOFLOW plate heat exchanger in the EXPRESSO assemblies
- The vessels are 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.
- **Maximum working pressure of 8BARS.**
- The vessels are available in vertical (with legs) or horizontal (with cradles) form.
- All the vessels are thermally insulated with rigid, mould-injected CFC-free polyurethane foam with removable polyester outer jacket.
- Manufactured to ISO 9001:2000 (Certificate ESPMDD001829:27/11/03), under Directive 97/23/CE and according to EN 2883:1992/A1:1997.
- All the models are thermally insulated with rigid, mould-injected CFC-free polyurethane foam (classification ASTM D-1692) with an outer hard finish in polyester