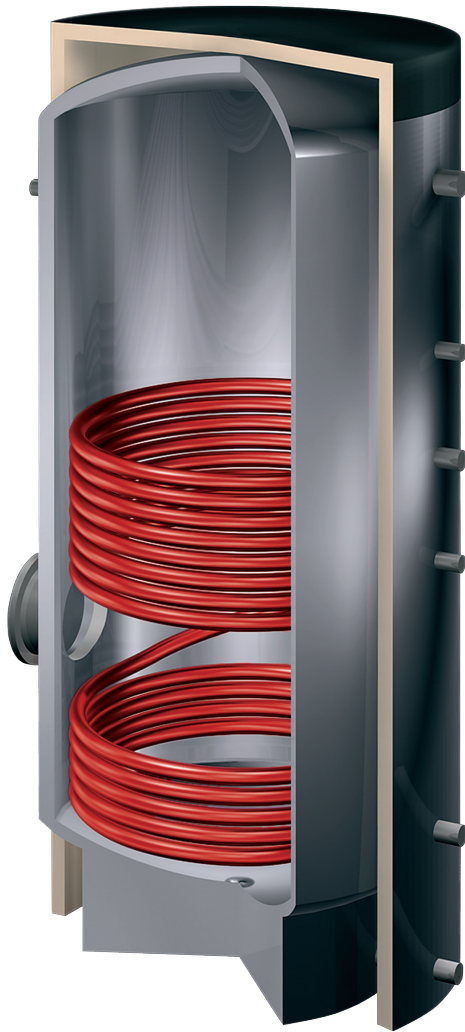


ATSI 200-1000

Stainless Steel Indirect Cylinders for DHW Applications



The Adveco ATSi range of stainless steel hot water tanks serve as buffer vessels and indirect hot water calorifiers suitable for use with high pressure applications.

The ATSi is a high quality indirect water heater constructed from corrosion resistant AISI 316Ti and 316L stainless steel. Each vessel features a single internal fixed heating coil at low level as well as multiple connection points and a clean-out access flange.

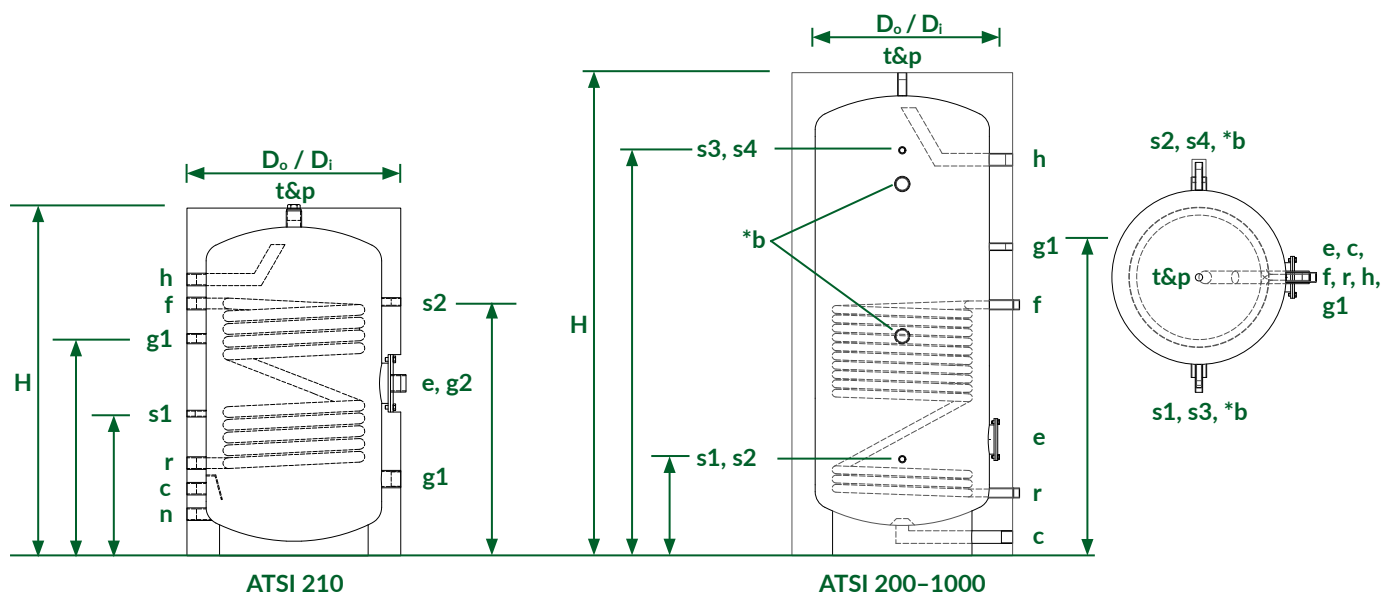
All tanks are designed, manufactured, and tested to the requirements of the Pressure Equipment Directive (97/23/EC) and EN 12897.

FEATURES

- Available with 200 - 1000 litre capacities
- Produced from high quality 316Ti and 316L stainless steel
- Bracket options for boiler mounting on 300–750 tanks
- 100 mm removable insulation for improved energy efficiency
- Suitable for vented or unvented installation
- 10 bar / 95°C max. working pressure/temp (tank)
- 25 bar / 200°C max. working pressure/temp (coil)

OPTIONS & ANCILLARIES

- E0008/0-95C: Control Thermostat with 0-95°C range
- E0011: Overheat thermostat
- E0009.5: Chrome thermostat pocket
- Immersion heater options from 3–12 kW
- MB0001: Destratification pump kit
- Unvented Kits: Contact Adveco for options and details



Specifications

Description	200	210	300	400	500	580	750	1000
Storage volume (l)	212	212	289	411	490	575	756	990
Standing losses (W) / Energy efficiency class	52 / B	63 / B	63 / B	72 / B	79 / B	102 / C	116 / C	135 / C
Coil surface area (m ²)	0.9	1.4	1.4	1.7	1.7	1.8	2.4	2.4
Output capacity (kW) (80/60:10/60)	19.1	29.7	29.7	36.1	36.1	38.3	51.0	51.0
Nominal primary flow rate (m ³ /h)	0.82	1.27	1.27	1.55	1.55	1.64	2.19	2.19
Nominal coil pressure drop (mbar)	36.2	124.7	124.7	209.9	215.2	250.1	83.7	82.5
Continuous DHW flow rate (l/h) (80/60:10/60)	327.8	509.7	509.7	619.5	619.5	657.2	875.2	875.2
Peak draw off capacity (l) (80/60:10/60)	30 min.	306	382	444	587	734	969	1157
	60 min.	472	640	702	901	1067	1413	1600
	120 min.	798	1146	1208	1516	1720	2282	2469
Dry mass (kg)	54	60	64	76	90	95	142	173

Connections

Label	Description	200	210	300	400	500	580	750	1000
c, h	Water inlet and outlet	¾"	1"	1"	1"	1"	1½"	1½"	2"
f, r	Heat exchanger flow and return	1"	1"	1"	1"	1"	1"	1¼"	1¼"
t&p	T&P relief valve connection	1"	¾"	1"	1"	1"	1"	1"	1"
g1	Additional connection	½"	1½"	¾"	¾"	¾"	¾"	¾"	1"
g2	Additional connection	--	1½"	--	--	--	--	--	--
g3	Additional connection	--	1¼"	--	--	--	--	--	--
s1, s2, s3, s4	Sensor pocket(s)	¾"	½"	¾"	¾"	¾"	¾"	¾"	¾"
e	Clean-out flange (mm)	Ø180/120	Ø180/120	Ø180/120	Ø180/120	Ø180/120	Ø180/120	Ø180/120	Ø180/120
n	Drain	--	1"	--	--	--	--	--	--

*b: Left and right side 2" mounting brackets included on models 300-1000 only.

Dimensions

Label	Description	200	210	300	400	500	580	750	1000
H	Height including insulation	1480	1100	1740	1735	1990	1990	2080	2080
D _o	Outer diameter with insulation	Ø700	Ø750	Ø700	Ø800	Ø800	Ø850	Ø950	Ø1050
D _i	Inner diameter without insulation	Ø500	Ø550	Ø500	Ø600	Ø600	Ø650	Ø750	Ø850
g1	Additional connection	960	680	1120	1060	1305	1305	1330	1330
s1, s2	Sensor pocket(s)	430 (2x)	445	380 (2x)	405 (2x)	545 (2x)	405 (2x)	415 (2x)	555 (2x)
s3, s4	Sensor pocket(s)	1180 (2x)	795	1415 (2x)	1440 (2x)	1695 (2x)	1690 (2x)	1745 (2x)	1745 (2x)

All threaded connections are BSPT female unless otherwise stated. Coil connections BSPT male. All dimensions in mm.