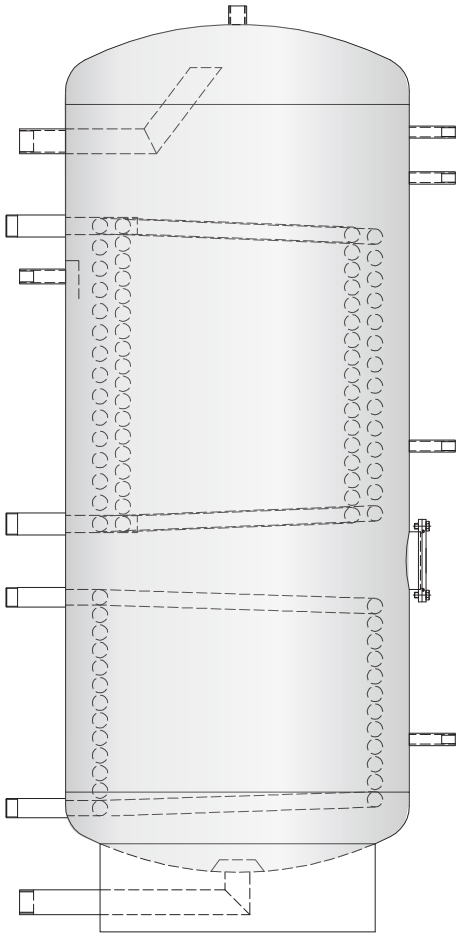
PRODUCT DATA SHEET
TR200127.r2

ADVECO
EXPERTLY ENGINEERED FOR YOU

ATSR 300-1000

Stainless Steel Renewable Cylinders for DHW Applications



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

The ATSR is a high quality indirect water heater constructed from corrosion resistant AISI 316Ti and 316L stainless steel. Each vessel features two internal fixed heating coils with an increased surface area designed for use with renewable heat sources, at low and high level, as well as multiple connection points and a clean-out access flange.

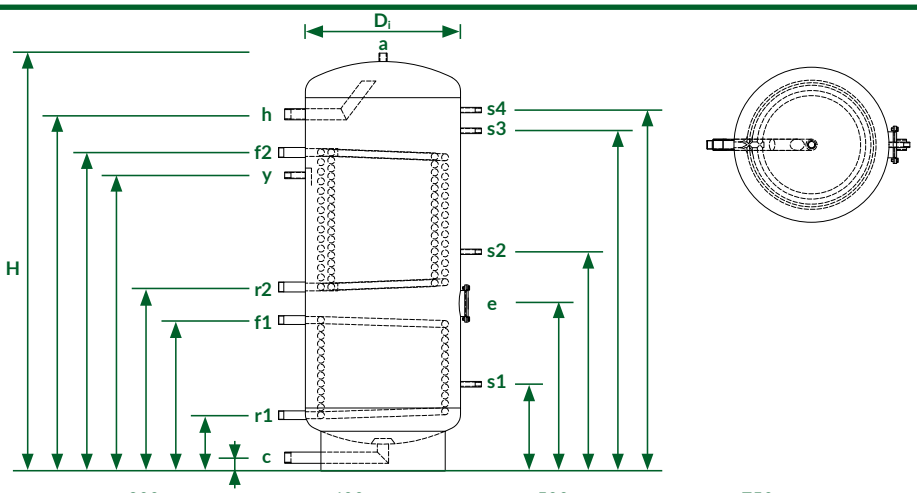
All tanks are designed, manufactured, and tested to the requirements of the Pressure Equipment Directive (97/23/EC) and EN 12897.

FEATURES

- Available with 300 - 1000 litre capacities
- Produced from high quality 316Ti and 316L stainless steel
- 100 mm removable insulation for improved energy efficiency
- Suitable for vented or unvented installation
- 10 bar / 95°C max. working pressure/temp (tank)
- 10 bar / 95-110°C max. working pressure/temp (coils)

OPTIONS & ANCILLARIES

- E0008/0-95C: Control Thermostat with 0-95°C range
- E0011: Overheat thermostat
- E0009.2: Chrome thermostat pocket (2x included with vessel)
- MB0001: Destratification pump kit
- Unvented Kits: Contact Adveco for options and details



Specifications

Description		300	400	500	750	1000
Volume (l)		300	400	500	750	1000
Energy efficiency class		B	C	C	C	C
Standing losses	W	66	85	98	120	140
	kWh/24h	1.58	2.04	2.35	2.88	3.36
Dry mass (kg)		75	86	137	175	268
Surface area (m^2)	Upper coil	2.5	3.0	4.5	5.5	6.5
	Lower coil	1.4	1.5	1.6	2.5	2.8
Output capacity upper coil (80/45:10) (kW)		37	39	42	66	74
Output capacity lower coil (55/45:10) (kW)		29	35	53	65	77

Connections

Label	Description	300	400	500	750	1000
c	Cold water inlet	1 ¼''	1 ½''	1 ½''	1 ½''	2''
h	Hot water outlet	1 ¼''	1 ½''	1 ½''	1 ½''	2''
f1, r1	Lower heat exchanger flow/return	1 ¼''	1 ¼''	1 ¼''	1 ½''	1 ½''
f2, r2	Upper heat exchanger flow/return	1''	1''	1 ¼''	1 ¼''	1 ¼''
y	Secondary return	¾''	¾''	¾''	¾''	¾''
a	Air vent connection	1''	1''	1''	1''	1''
s1, s2, s3, s4	Sensor pockets	½''	½''	½''	½''	½''
e	Clean-out flange (mm)	Ø180/120	Ø180/120	Ø180/120	Ø180/120	Ø180/120

Dimensions

Label	Description	300	400	500	750	1000
H	Total height including insulation	1740	1975	1985	2080	2090
D_o	Outer diameter Including insualtion	Ø700	Ø750	Ø800	Ø950	Ø1050
D_i	Inner diameter	Ø500	Ø550	Ø600	Ø750	Ø850
c	Cold water inlet	65	65	65	65	80
h	Hot water outlet	1395	1670	1670	1725	1735
f1	Flow from heat source (lower)	610	640	615	730	775
r1	Return to heat source (lower)	190	215	215	270	275
f2	Flow from heat source (upper)	1270	1515	1545	1540	1480
r2	Return to heat source (upper)	790	925	865	890	940
y	Secondary return	1120	1330	1285	1430	1480
s1	Sensor pocket	540	325	330	420	420
s2	Sensor pocket	845	980	950	1060	1110
s3	Sensor pocket	1315	1590	1590	1645	1655
s4	Sensor pocket	1415	1690	1690	1745	1755
e	Flange centre point	700	780	740	810	860

All threaded connections are Rp female unless otherwise stated. Coil connections R. All dimensions in mm.

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