

STREBEL



TECHNICAL MANUAL

SANINOX

STAINLESS STEEL HOT WATER CALORIFIERS



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SANINOX 1 (single coil)

DESCRIPTION:

The hot water calorifier SANINOX 1 is made with a coil having a large heating surface. It is the best for producing hot water using a boiler.

The coil is located at the bottom of the calorifier to facilitate maximum heating % water.

An inspection flange is provided for internal periodic checks and for an immersion heater.

The calorifier is supplied with control panel housing a thermometer and a thermostat as standard.

INSULATION

Rigid polyurethane foan shell, CFC and HCFC free, self-extinguishing according to norm ISO 3582 (B2 DIN 4102).

For each part of the calorifier we use AISI 316L stainless steel, the calorifier is tested for 6-bar water pressure.

8 years guaranteed.

TECHNICAL DATA

TECHNICAL CHARACTERISTICS

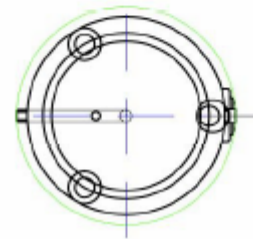
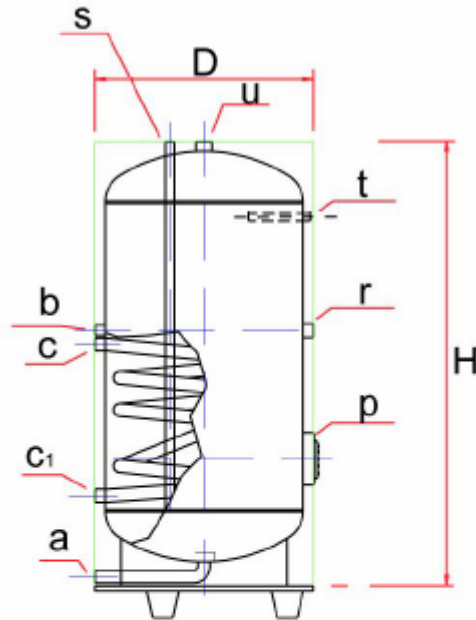
| CAPACITY | COIL | | HEAT EXCHANGE OUTPUT | CONTINUOUS SANITARY WATER PRODUCTION | | PRESSURE LOSSES WATER SIDE |
|----------|------|----------------|----------------------|--------------------------------------|------|----------------------------|
| | Lt. | m ² | | Lt | kW | |
| 200 | 1 | 6.6 | 37.5 | 810 | 305 | 1.2 |
| 300 | 2 | 13.3 | 74.6 | 1605 | 600 | 2.1 |
| 400 | 2 | 13.3 | 74.6 | 1605 | 600 | 2.1 |
| 500 | 2.5 | 17 | 99.6 | 2140 | 810 | 2.65 |
| 600 | 2.5 | 17 | 99.6 | 2140 | 810 | 2.65 |
| 800 | 3.2 | 29.5 | 125.3 | 2965 | 1005 | 3.91 |
| 1000 | 4 | 37 | 156.6 | 3400 | 1300 | 4.76 |
| 1250 | 4 | 37 | 156.6 | 3400 | 1300 | 4.76 |
| 1500 | 4.8 | 44 | 187.8 | 4100 | 1550 | 5.85 |

TECHNICAL DATA

DIMENSIONS

LEGEND

a = cold water input
 u = hot water output
 c = primary input
 c₁ = primary output
 b = recirculation
 t = thermometer
 r = electric resistance
 p = inspection flange
 s = probe



| CAPACITY | EX. DIAMETER WITH CASING | HEIGHT WITH CASING | FITTINGS | |
|----------|--------------------------|--------------------|--------------------|-------|
| | | | c - c ₁ | a - u |
| Lt. | mm | mm | | |
| 200 | 560 | 1410 | 1" | 1" |
| 300 | 700 | 1600 | 1" | 1" |
| 400 | 700 | 2100 | 1" | 1" |
| 500 | 820 | 1890 | 1" | 1" |
| 600 | 820 | 2110 | 1" | 1" |
| 800 | 1000 | 2060 | 1" ¼ | 1" ¼ |
| 1000 | 1000 | 2340 | 1" ¼ | 1" ¼ |
| 1250 | 1150 | 2310 | 1" ¼ | 1" ½ |
| 1500 | 1120 | 2560 | 1" ¼ | 1" ½ |

SANINOX 2 (twin coil)

DESCRIPTION:

The hot water calorifier SANINOX 2 is made with two coils, each having a large heating surface. It is the best for producing hot water using a boiler and, at the same time, using alternative sources of energy e.g. solar

The coil is located at the bottom of the calorifier to facilitate maximum heating % water.

An inspection flange is provided for internal periodic checks and for an immersion heater.

The calorifier is supplied with control panel housing a thermometer and a thermostat as standard.

INSULATION

Rigid polyurethane foan shell, CFC and HCFC free, self-extinguishing according to norm ISO 3582 (B2 DIN 4102).

For each part of the calorifier we use AISI 316L stainless steel, the calorifier is tested for 6-bar water pressure.

8 years guaranteed.

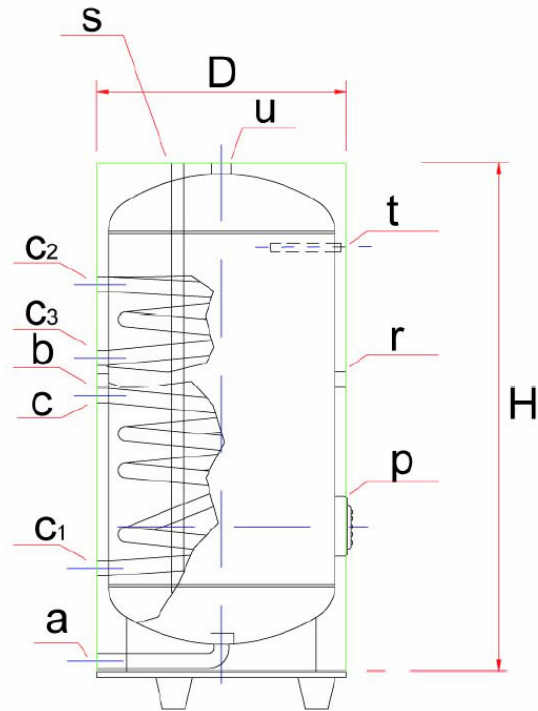
TECHNICAL DATA

TECHNICAL DATA:

| | | | | | WATER AT 80 °C D.M.W. AT 10/50 °C | | | | PRIMARY COIL | | SECONDARY COIL | |
|----------|------|----------------|------------------------------|----------------|-----------------------------------|---------------------------------|---|--------|-------------------------------|-----------------------------------|-------------------------------|-----------------------------------|
| CAPACITY | COIL | | INTEGRATION (SECOND COIL) | | HEAT EXCHANGE OF MAIN COIL | HEAT EXCHANGE OF SECOND COIL | CONTINUOUS SANITARY WATER PRODUCTION | | PRESSURE LOSSES WATER SIDE | FLOW RATE OF WATER FOR HEATING | PRESSURE LOSSES WATER SIDE | FLOW RATE OF WATER FOR HEATING |
| | Lt. | m ² | Lt | m ² | | | Lt | Lt./hr | | | | |
| 200 | 1 | 6.6 | 0.65 | 4.5 | 37.5 | 25.0 | 810 | 305 | 1.2 | 3.42 | 0.82 | 2.26 |
| 300 | 2 | 13.3 | 0.65 | 4.5 | 74.6 | 25.0 | 1605 | 600 | 2.1 | 6.49 | 0.82 | 2.26 |
| 400 | 2 | 13.3 | 1 | 6.7 | 74.6 | 37.5 | 1605 | 600 | 2.1 | 6.49 | 1.15 | 3.24 |
| 500 | 2.5 | 17 | 1 | 6.7 | 99.6 | 37.5 | 2140 | 810 | 2.65 | 8.64 | 1.15 | 1.15 |
| 600 | 2.5 | 17 | 1 | 6.7 | 99.6 | 37.5 | 2140 | 810 | 2.65 | 8.64 | 1.15 | 1.15 |
| 800 | 3.2 | 29.5 | 1.2 | 11 | 125.3 | 47.3 | 2965 | 1005 | 3.91 | 10.9 | 1.83 | 4.32 |
| 1000 | 4 | 37 | 1.2 | 11 | 156.6 | 47.3 | 3400 | 1300 | 4.76 | 13.63 | 1.83 | 4.32 |
| 1250 | 4 | 37 | 2 | 18.6 | 156.6 | 78.8 | 3400 | 1300 | 4.76 | 13.63 | 2.75 | 6.80 |
| 1500 | 4.8 | 44 | 2 | 18.6 | 187.8 | 78.8 | 4100 | 1550 | 5.85 | 16.39 | 2.75 | 6.80 |

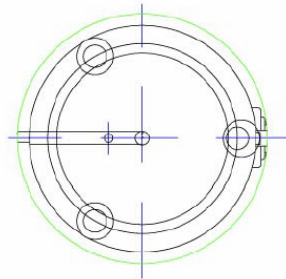
TECHNICAL DATA

DIMENSIONS



LEGEND

- a = cold water input
- u = hot water output
- c = primary input
- c₁ = primary output
- c₂ = secondary input
- c₃ = secondary output
- b = recirculation
- t = thermometer
- r = electric resistance
- p = inspection flange
- s = probe



| Capacity | Ex. Diameter with casing | Height with casing | fittings | |
|----------|--------------------------|--------------------|---|--------|
| | | | C - C ₁ C ₂ - C ₃ | a - u |
| Lt. | mm | mm | | |
| 200 | 560 | 1410 | 1" | 1" |
| 300 | 700 | 1600 | 1" | 1" |
| 400 | 700 | 2100 | 1" | 1" |
| 500 | 820 | 1890 | 1" | 1" |
| 600 | 820 | 2110 | 1" | 1" |
| 800 | 1000 | 2060 | 1" 1/4 | 1" 1/4 |
| 1000 | 1000 | 2340 | 1" 1/4 | 1" 1/4 |
| 1250 | 1150 | 2310 | 1" 1/4 | 1" 1/2 |
| 1500 | 1120 | 2560 | 1" 1/4 | 1" 1/2 |

NOTES:

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