



SDC

Solar District Cooling
Solar District Cooling

Hot Water Calorifier

- ✓ High Efficiency Heat Transfer
- ✓ Rapid Hot Water Regeneration
- ✓ Excellent for Fluctuate & High Peak Loads
- ✓ Applicable to Various Heating Sources
- ✓ Energy Saving



How Does Calorifier Works

Calorifier consists of storage tank with a primary circuit, normally it is called heating sources such as steam, hot water, heat pump, solar or electric heater, to heat up water up to specific requirement. Cold water will be feed into the bottom part of calorifier. As water pass through the heating battery, it will be heated and rise up to the top of tank. The secondary circuit, a network of pipe and pumps, will distribute hot water to specific locations i.e. bath, basin, kitchen, etc. and the remaining unused hot water will be returned to calorifier.

SDC Calorifier is your ultimate heating solution to industrial and commercial hot water applications such as hotel, hospital, hostel, dormitory, sports & golf club, service apartment and factory where high efficiency heat transfer for rapid hot water regeneration during high peak loads is the key requirement. It also offers numerous features and benefits that would enhance productivity as follows:

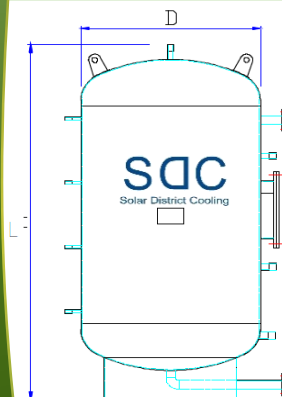
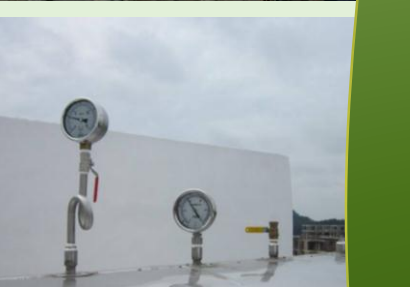
Designed according to international codes such as BS, DIN, EN & ASME
Custom made to accommodate various heating sources and working pressure

Available in vertical or horizontal configuration to suit space constraint

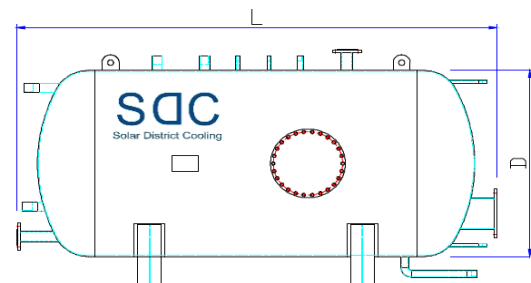
Made of stainless steel SS304, SS316 or special steels to specific requirement

Packaged and hydrostatically tested by manufacturer for safe & simple installation

Standard Calorifier: Capacity & Dimension



Vertical Configuration



Horizontal Configuration

Configuration:

V: Vertical

H: Horizontal

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Types of Calorifier

Calorifier Model No.	Capacity (Litres)	Shell Diameter, D (mm)	Height / Length, H / L (mm)
SDC500	500	600	2200
SDC1000	1000	850	2325
SDC1500	1500	1020	2425
SDC2000	2000	1140	2500
SDC2500	2500	1275	2600
SDC3000	3000	1425	2650
SDC3500	3500	1425	2850
SDC4000	4000	1425	3125
SDC4500	4500	1425	3425
SDC5000	5000	1650	3050
SDC6000	6000	1650	3500
SDC7000	7000	1725	3675
SDC8000	8000	1910	3600
SDC9000	9000	2150	3300
SDC10000	10000	2150	3550

Material of Construction:

SS316: Stainless Steel
 Grade 316 SS304:
 Stainless Steel Grade 304

Type:

ST: Storage Tank
 UB: "U" Bundle Heating
 Battery SC: Single Coil
 DC: Dual Coil
 EH: Electric Heater

For example:-

3000 litres Calorifier with vertical configuration, Made of SS316 with "U" bundle heating battery shall be listed as **SDC3000-V-SS316-UB**

•Standard Calorifier: Capacity & Dimension

- Note: Standard size & dimension for reference only.
 It could be customized to suit space available upon request.





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