

CWS 300-5000 Chilled Water Tanks

Vessels for Central Heating and Cooling Systems



The Adveco CWS range of carbon steel chilled water system vessels has been designed as a specialised and high quality solution to serve a diverse range of heating and cooling applications that require an inertia tank or energy storage vessel.

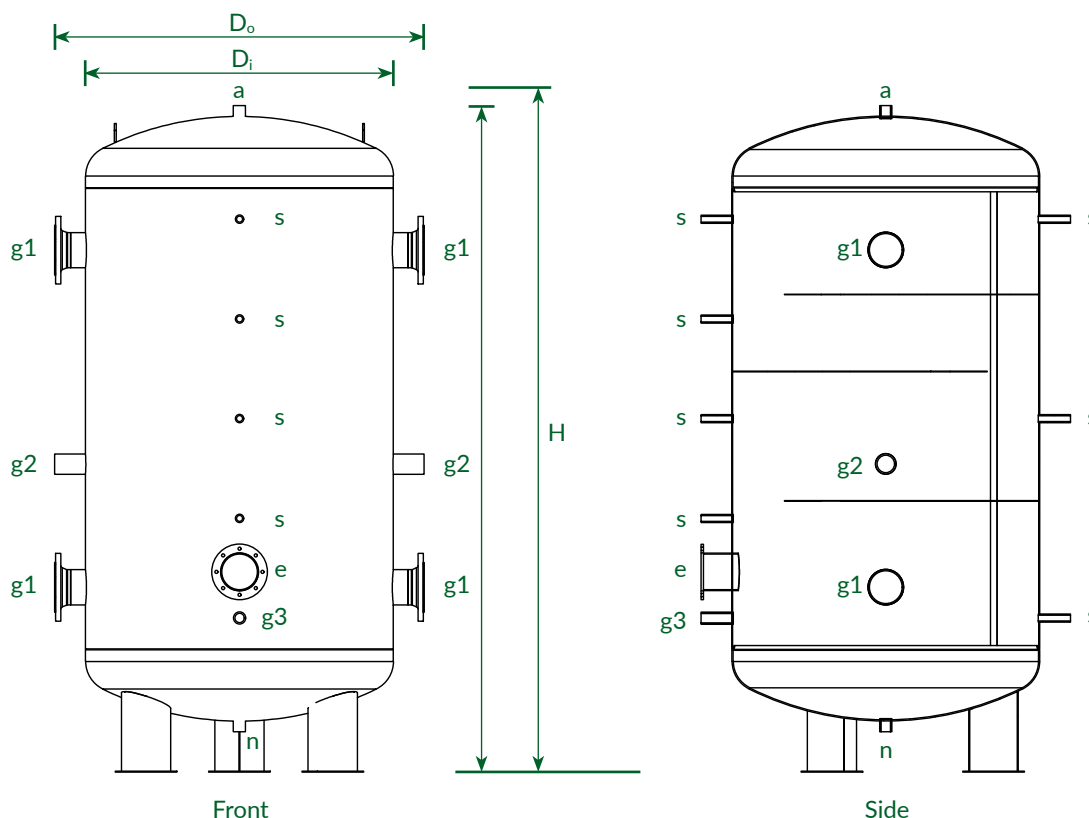
The CWS range has been designed to feature multiple large, high-capacity connections as standard at high and low level, with additional connections at mid-level to cater for a wide range of system applications. Internal baffle plates are included to increase thermal separation within the vessels while allowing installations in plantrooms with limited height, and multiple sensor pockets at all levels provide straightforward integration of controls or BMS sensors.

The CWS range is suitable for use with working pressures of up to 6 bar, and working temperatures up to 95°C.

STANDARD FEATURES

- Vertical Orientation
- High quality carbon steel construction
- Large high, middle, and low level connections
- Three internal baffle plates as standard for increased stratification
- Inspection clean-out flange
- Supplied with a removable 25mm vapour barrier underlayer and 75mm thermal insulation
- Low maximum height for ease of installation and plantroom compatibility
- Available ancillaries include control and overheat thermostats, automatic air vents, and gauges.





Connections:

Port	Purpose	CWS 300-6	CWS 500-6	CWS 800-6	CWS 1000-6	CWS 1500-6	CWS 2000-6	CWS 2500-6	CWS 3000-6	CWS 4000-6	CWS 5000-6
g1 (x4)	Connections	2"	2½"	2½"	DN100 PN16	DN100 PN16	DN125 PN16	DN125 PN16	DN125 PN16	DN150 PN16	DN150 PN16
g2 (x2)	Additional connections	1½"	1½"	1½"	2"	2"	2"	2"	2"	2"	2"
g3	Additional connection	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"
e	Inspection flange	180mm PN16	180mm PN16	180mm PN16	180mm PN16	180mm PN16	180mm PN16	180mm PN16	180mm PN16	180mm PN16	180mm PN16
s (x7)	Sensor connections	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"
a	Air vent connection	1"	1"	1"	1"	1"	2"	2"	2"	2"	2"
n	Drain connection	1"	1"	1"	1"	1"	2"	2"	2"	2"	2"

Dimensions:

H	Height with insulation	1870	1665	1850	2165	2230	2205	2045	2010	2065	2265
	Height without insulation	1805	1600	1795	2100	2165	2140	1980	1960	2000	2200
D_o	Outer diameter with insulation	700	850	990	990	1200	1400	1600	1800	2100	2100
D_i	Inner diameter without insulation	500	650	790	790	1000	1200	1400	1600	1900	1900

Specifications:

Storage volume (l)	300	500	800	1000	1500	2000	2500	3000	4000	5000
Max. working temperature (°C)	95	95	95	95	95	95	95	95	95	95
Max. working pressure (bar)	6	6	6	6	6	6	6	6	6	6
Dry mass (kg)	85	112	142	192	245	351	400	543	800	

Connection sizes given in inches. Dimensions given in millimetres.