

Unical

SERBHA



**BLOW DOWN COLLECTION COOLING TANK FOR STEAM BOILERS
IN CARBON STEEL**

RANGE

from 100 to 1200 liters

WORKING PRESSURE

atmospheric

MODELS

100

300

500

800

1200

DESCRIPTION

Blowdown vessel.

Atmospheric blowdown vessel complete with cooling water system to reduce the boiler waste fluids temperature before the drain into the waste water plant.

Made of steel, vertical tank complete with supporting, externally painted.

It has available many flanged connections for blowdown input and waste water disposal.

Designed in conformity with PED 2014/68/UE CE Directive.

Standard-production equipment:

- Automatic temperature regulation system
- Cold water inlet connection
- Water drain to the mains due to overflow
- Manual drain with ball valve
- Upper vapor outlet connection with ventilation system
- Thermometer
- Pressure gauge

MAIN COMPONENTS

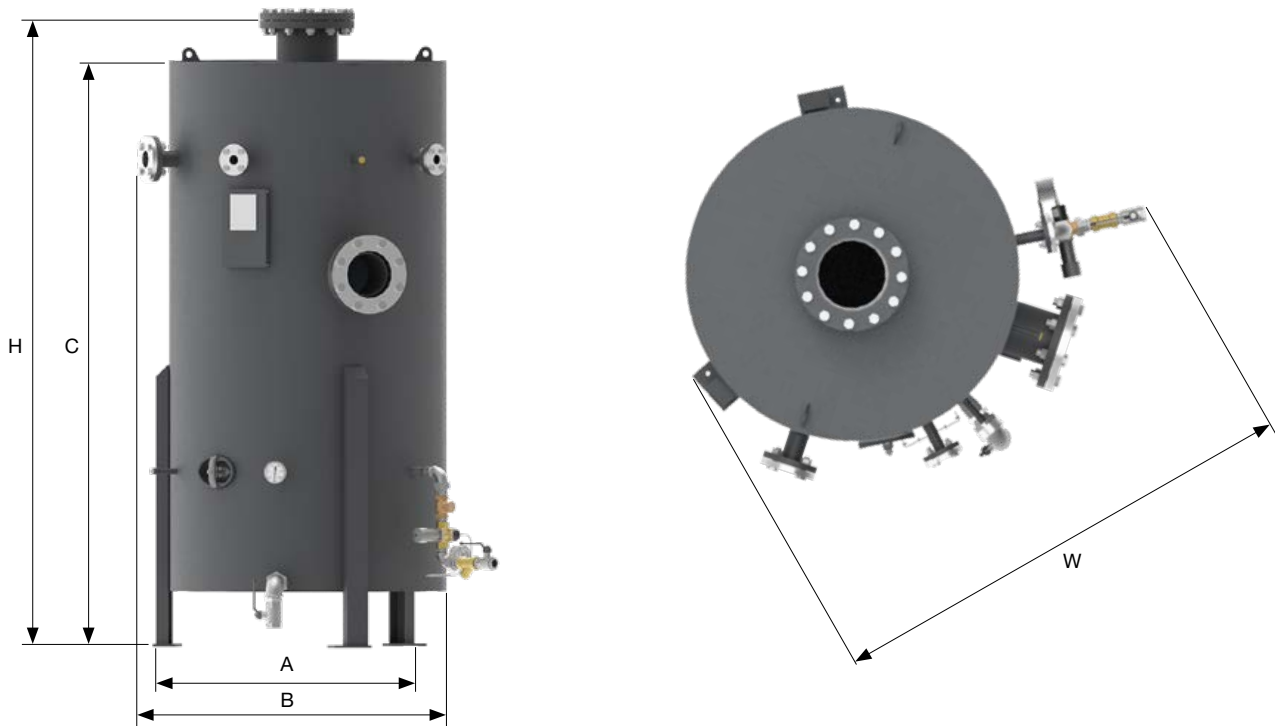
1. Cooling tank
2. Temperature adjustment system
3. Thermometer
4. Cooling water entry group
5. Discharges inlet 1 (Blow Down)
6. Discharges inlet 2 (TDS)
7. Discharges inlet 3
8. Connection for cooled water outlet (overfull)
9. Drain



TECHNICAL DATA

Model	Water content at level		Total volume
	l	l	
100	100	200	
300	300	600	
500	500	1000	
800	800	1600	
1200	1200	2400	

DIMENSIONS



Model	W	H	A	B	C	Empty weight
	mm	mm	mm	mm	mm	kg
100	990	1105	550	750	1010	130
300	1190	1505	750	970	1410	200
500	1290	1895	850	1050	1800	280
800	1430	2245	1000	1250	2100	360
1200	1650	2475	1150	1420	2330	510

FEATURES

The reservoirs of drainage SERBHA are designed in conformity with the Directive PED 2014/68/UEE.

They are suitable for the manually or automatically controlled bottom blow down, to lodge manually controlled valves for the continuous blow down, automatically controlled valves and control systems of the TDS, reservoirs, accessories and equipments for the heat recovery.

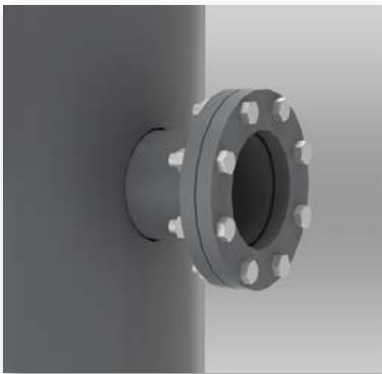
The cooling reservoirs SERBHA are built in vertical shape, in 5 models, in carbon steel externally painted.

Operation

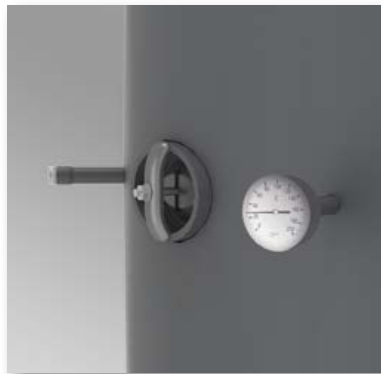
The operation of the blow down reservoir is simple and not special operational instructions are necessary.

The reservoir allows the sure expansion of the hot water from high to low pressure, with consequent production of re-evaporated, and the water that it contains is mixed with the cold water from net to lower its temperature before the inlet in the sewage.

The reservoir SERBHA is composed by the following groups:



■ Overflow water discharge toward the sewage



■ Control thermometer and manhole



■ Cooling water inlet group



■ Manual discharge with ball valve



■ Upper connection with ventilation system