



**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.

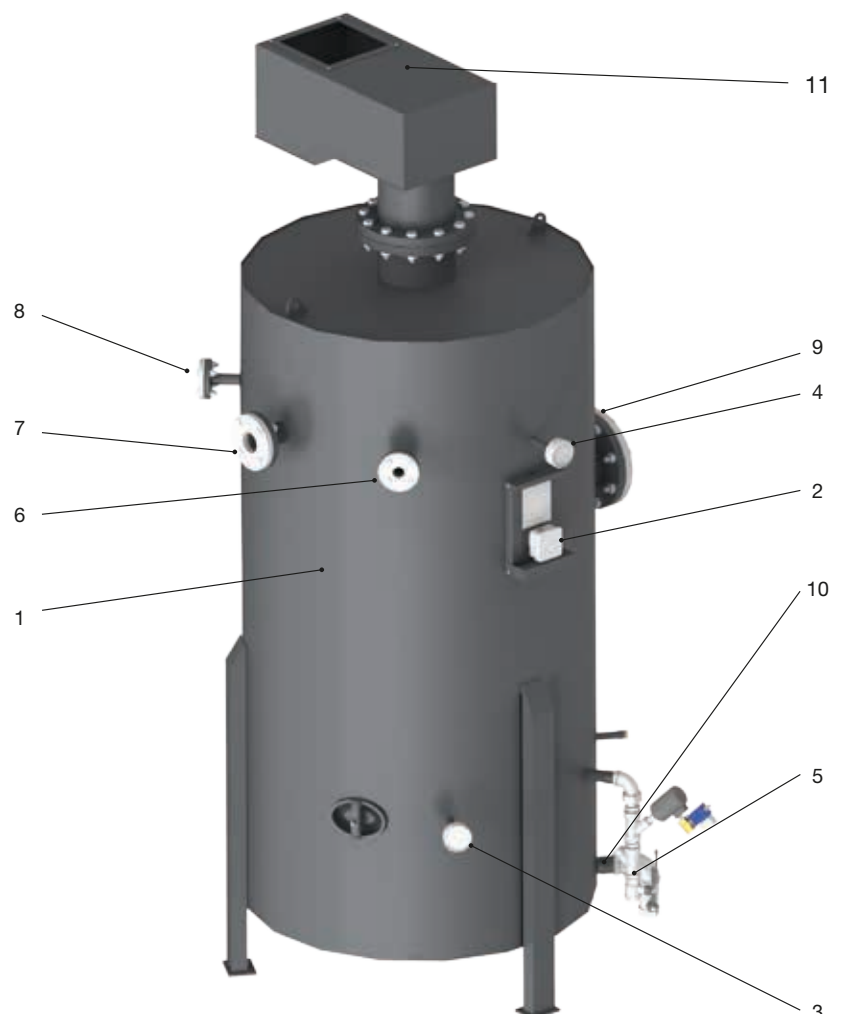
Designed in conformity with PED 2014/68/UE CE Directive.

Standard-production equipment:

- Automatic temperature regulation system
- Cold water inlet connection
- Overflow
- Manual drain valve
- Air vent
- Temperature gauge
- Pressure gauge

MAIN COMPONENTS

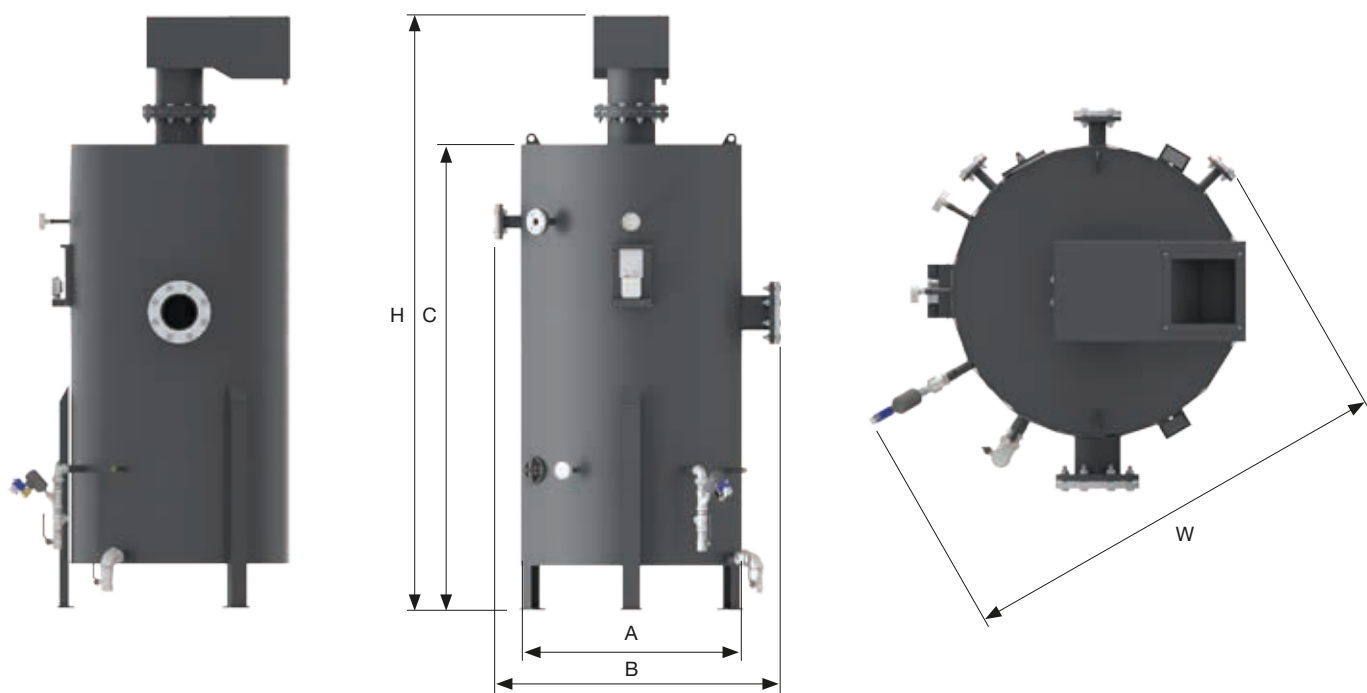
1. Cooling tank
2. Temperature adjustment system
3. Thermometer
4. Manometer
5. Cooling water entry group
6. Discharges inlet 1
7. Discharges inlet 2
8. Discharges inlet 3
9. Connection for cooled water outlet
10. Drain
11. Vapours outlet with ventilation system



TECHNICAL DATA

Model	Water content at level		Total volume
	l	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	1390	550	750	1010	140
300	1190	1900	750	970	1410	210
500	1290	2290	850	1050	1800	270
800	1430	2680	1000	1250	2100	370
1200	1650	2910	1150	1420	2330	520

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:



■ Temperature regulation system, with NTC sensor



■ Overflow water discharge toward the sewage



■ Cooling water inlet group



■ Manual discharge with ball valve



■ Upper connection with ventilation system



■ Control thermometer and manometer