

schuster

KT



**CONDENSATE COLLECTOR TANK FOR STEAM BOILERS
IN CARBON STEEL (in stainless steel on request)**

RANGE

from 500 to 16000 liters

WORKING PRESSURE

atmospheric

MODELS

500

1000

1500

2000

2500

3000

4000

5000

8000

10000

16000

-

DESCRIPTION

Feed water tank

Reservoir of feeding water for steam boiler, predisposed for the collection and the storage of the condensate, and for the eventual refill of treated water.

Execution in horizontal cylindrical shape, with convex end-plates. It is mounted on a stable steel support device and designed for installing either at ground level or at higher level to avoid the cavitation phenomenon.

Complete with an electronic water level management system and related alarms (low and high levels).

The mix of the condensate return and the chemically treated water is automatic.

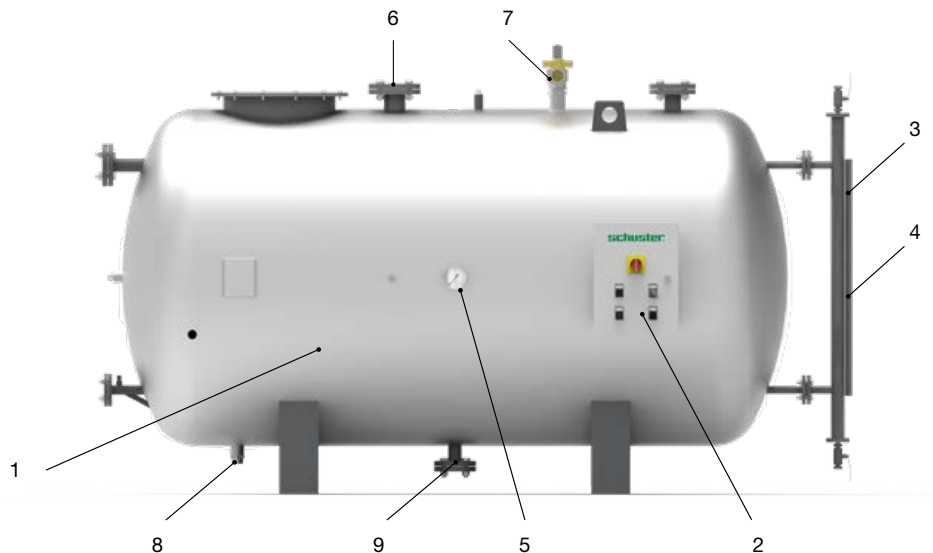
Insulated with high-density rock wool and covered with embossed aluminum foil.

The tank is composed by the following groups:

- Feed water tank made of steel
- Magnetic level indicator
- Probes for water level control
- Inlet water line with pneumatic valve
- Connection for water flow to the boiler
- Air vent
- Overflow
- Drain
- Temperature gauge
- Electric panel board IP55.

MAIN COMPONENTS

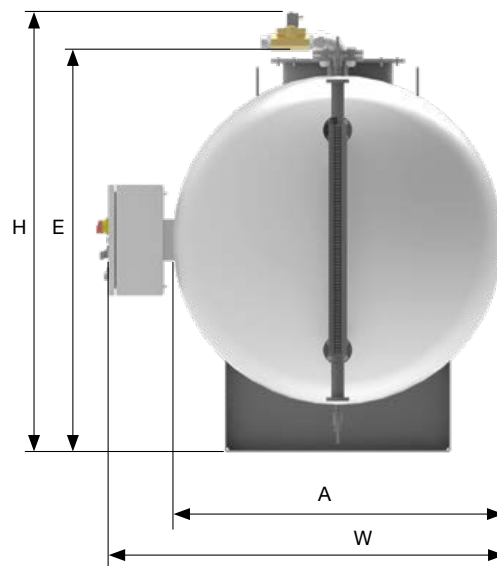
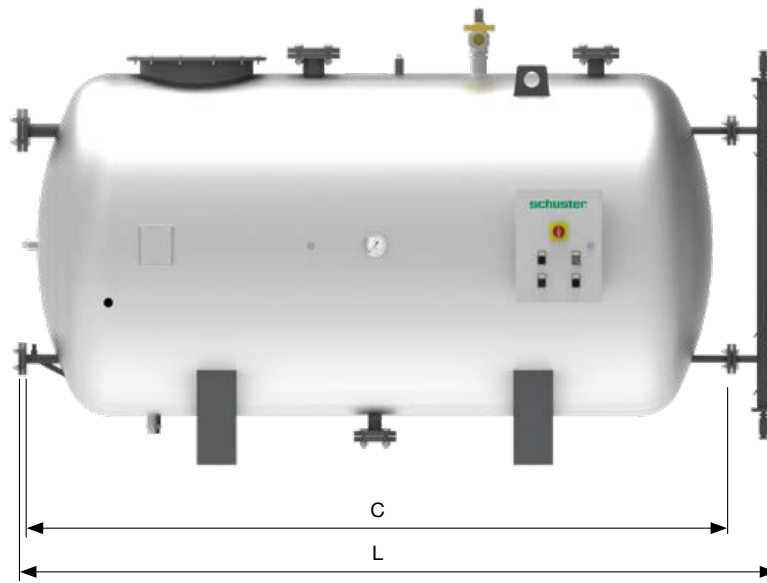
1. Tank
2. Electric panel board
3. Level indicator
4. Level regulation sensors
5. Thermometer
6. Condensates return
7. Reinstatement water inlet
8. Drain
9. Hot water flow to the boiler



TECHNICAL DATA

Model	Water content at level	
	l	l
500	325	500
1000	650	1000
1500	975	1500
2000	1300	2000
2500	1625	2500
3000	1950	3000
4000	2800	4000
5000	3500	5000
8000	5600	8000
10000	7000	10000
16000	11200	16000

DIMENSIONS



Model	W	L	H	A	C	E	Empty weight
	mm	mm	mm	mm	mm	mm	kg
500	1030	1970	1330	750	4560	1000	330
1000	1230	2400	1440	950	2000	1210	460
1500	1480	2315	1690	1200	1900	1460	515
2000	1570	1935	1845	1300	1880	1560	560
2500	1570	2990	1845	1300	2530	1560	665
3000	1650	3080	1915	1370	2630	1630	765
4000	1780	3060	2090	1500	2610	1760	950
5000	1980	3130	2300	1700	2650	2000	1060
8000	2070	4750	2420	1800	4125	2100	1630
10000	2070	5215	2500	1800	4625	2100	1740
16000	2370	5960	2810	2100	5560	2690	2430

ELECTRIC PANEL BOARD



- ON/OFF regulation of water level in the reservoir
- Nr. 1 low level signalling
- Nr. 1 high level signalling
- Electrical protection degree IP55

SUPPORTS AND MANIFOLDS (optional)



SUPPORTS

for tanks (type KT) and degassers (type ATE, TFE) designed and built according to EN 1090, equipped with ladder, gangway. Structural calculation report where necessary and required, is available.



STEAM MANIFOLDS

CE marked according to PED directive 2014/68 / EU, sized according to specific plant requirements regarding steam flow rate and pressure, number and diameter of outlets. On request it is possible to supply support saddles, insulation, valves.