

Unical

SRC



**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.

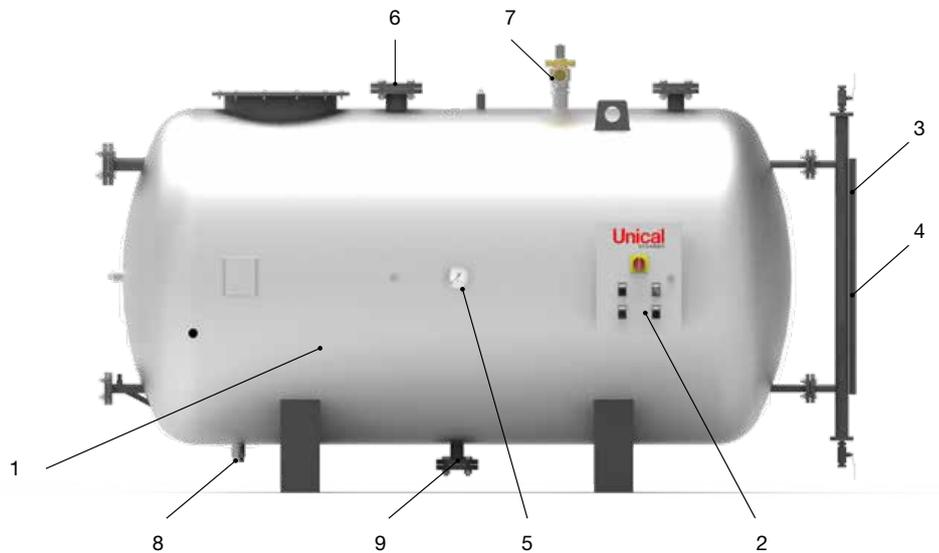
Insulated with high-density rock wool and covered with embossed aluminum foil.

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

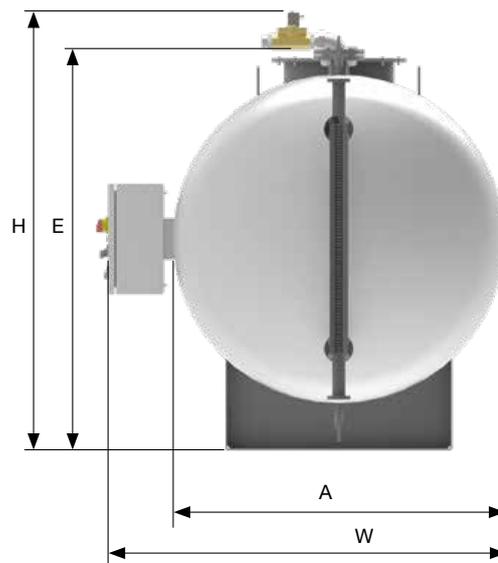
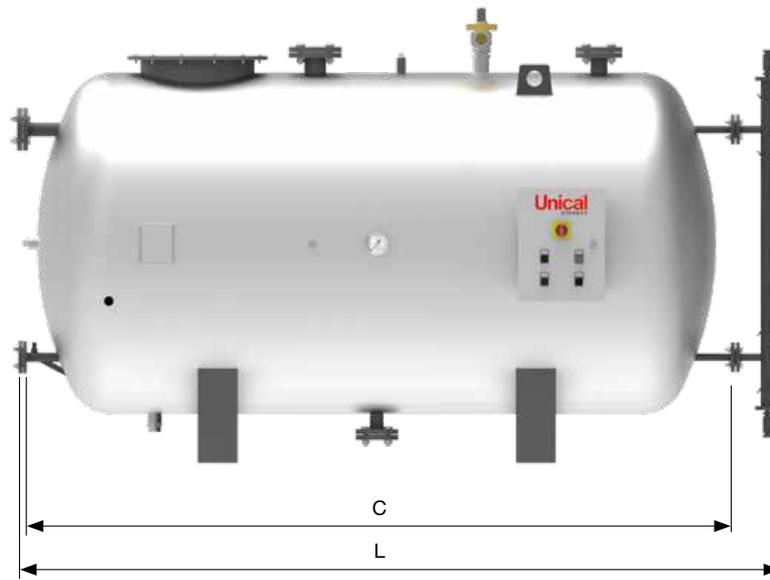
1. Tank
2. Electric panel board
3. Level indicator
4. Level regulation sensors
5. Thermometer
6. Condensates return
7. Reinstatement water inlet
8. Drain
9. Hot water flow to the boiler



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 SRC) and degassers (type DEAR, DETE) 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.