



Highly efficient  
and reliable  
steam boiler  
used worldwide

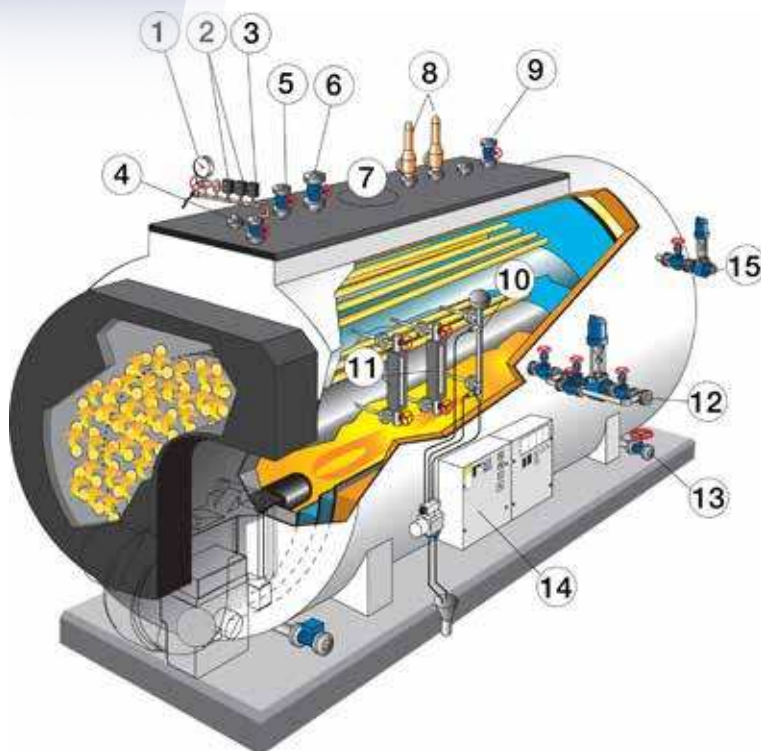
### Self-circulating fire tube steam boiler

A reliable boiler solution that provides steam for operations with either constant or varied out-take needs, furthermore the boiler handles very swift response times, which is great when steam is needed for different types of processes. Adaption for burning bio-oil and bio-gas are available upon request.

The boiler is of 3-pass type and consists of an horizontal pressure vessel, insulated with 150 mm mineral wool and covered with white enamel AluZinc plating. The combustion takes place in the firing tube, after which the flue gases turn in the turning chamber, pass through the first and the second tube pass. The flue gas outlet is positioned in the rear end.

The entire firing tube, including the turning chamber and the burner connection, is water-cooled and elastically mounted between the boiler ends. The flue gas tubes' standard thickness is 4 mm, the high thickness provide increased strength and longer product life. Furthermore they are countersunk and welded in line with the turning chamber end, this feature helps in avoiding cracks in the turning chamber tube ends.

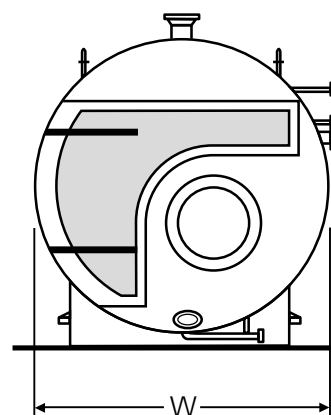
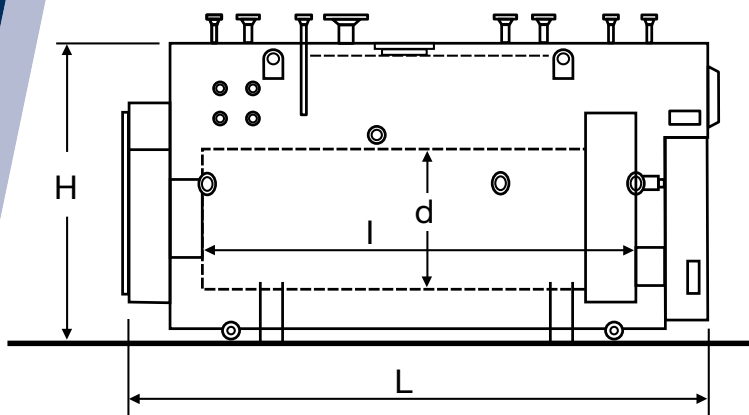
When working with steam boilers, water quality is especially important, partly because impure water gives impure steam, but also because impure water corrodes the pipes and the pressure vessel, therefore water treatment equipment has to be applied for the warranty to be valid.



Position list, GTP-Å

Position list, GTP-Å	
1.	Pressure gauge
2.	Pressure control, manual reset
3.	Operating pressure control
4.	Electrode stand, levels
5.	Water sample valve
6.	Steam outlet
7.	Inspection hatch
8.	Safety valves
9.	Venting and vacuum valve
10.	Measuring tube (not std.)
11.	Water level indicator
12.	Feed water inlet
13.	Blow down valve
14.	Control cabinet
15.	Desalination valve (not std.)

# Technical data on the GTP-Å

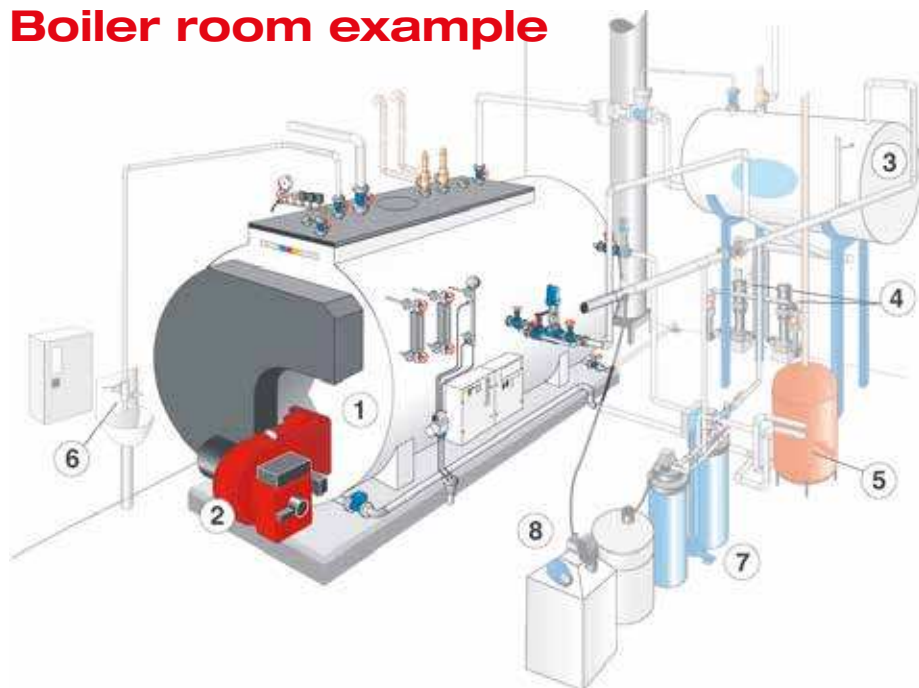


## Technical data with oil/gas, GTP-Å

Output (MW)	Gas res. ( $\Delta p$ PA)	Steam cap.* (kg/h)	Design pressure (bar)	External dimensions (mm)			Furnace dim. (mm)		Weight (ton)	Firing area (m <sup>2</sup> )	Water vol. (m <sup>3</sup> )
				L	W	H	l	d			
0.75	230	1050	16	4450	1770	2050	3325	650	6.5	40	3.8
1.0	240	1400	16	4550	1860	2140	3370	700	7.0	52	4.3
1.5	250	2100	16	4700	2090	2370	3450	750	8.0	76	6.5
2.0	350	2800	16	4950	2220	2500	3665	850	9.0	91	7.5
2.5	380	3500	16	4900	2300	2600	3730	950	11.0	110	8.5
3.0	490	4200	16	5200	2500	2800	3900	1000	14.0	122	9.5
4.0	610	5600	16	5700	2600	2900	4075	1100	16.0	152	10.5
5.0	660	7000	16	6000	2700	3000	4110	1200	19.0	183	11.5
6.0	710	8400	16	6100	2900	3200	4165	1300	22.0	214	14.0
7.0	730	9800	16	6400	3100	3400	4700	1300	24.5	252	16.0
8.0	750	11200	16	6400	3300	3600	4700	1400	28.0	283	18.0
10.0	760	14000	16	6500	3500	3800	4750	1530	33.0	352	19.5
12.0	850	16800	16	6600	3700	4000	4875	1650	37.5	410	23.0

\* Steam capacity is indicated with an operating pressure of 10 bar and a feed water temperature of 70 °C.

## Boiler room example



1. Osby GTP-Å boiler
2. Burner for oil or gas
3. Feed water tank
4. Feed water pumps
5. Pressure relieving vessel
6. Sample valve
7. Water softener filter
8. Dosing equipment

N.B. Items 3–8 are not supplied as standard equipment

**Sweden Head Office**

+46 479-177 00 – sales@osbyparca.se

**www.osbyparca.com**

Box 93, 283 22 Osby, Sweden

**OSBYPARCA**  
pannor för profets

Enertech Group