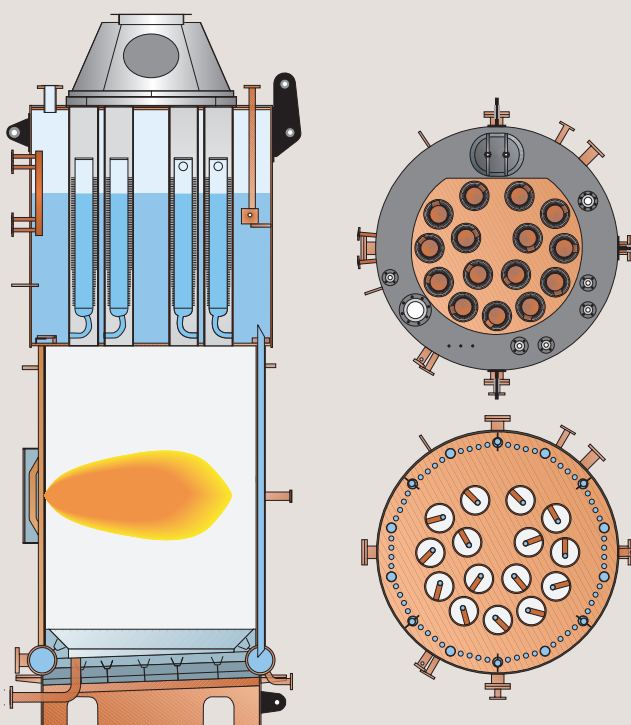




## Aalborg OM

The medium capacity modular boiler plant



The Aalborg OM boiler is supplied as a standard, pre-assembled unit. The furnace is built of membrane walls with a number of large tubes in between.

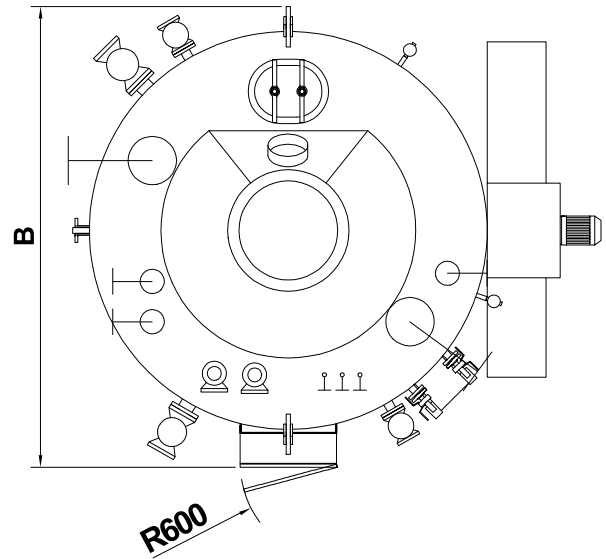
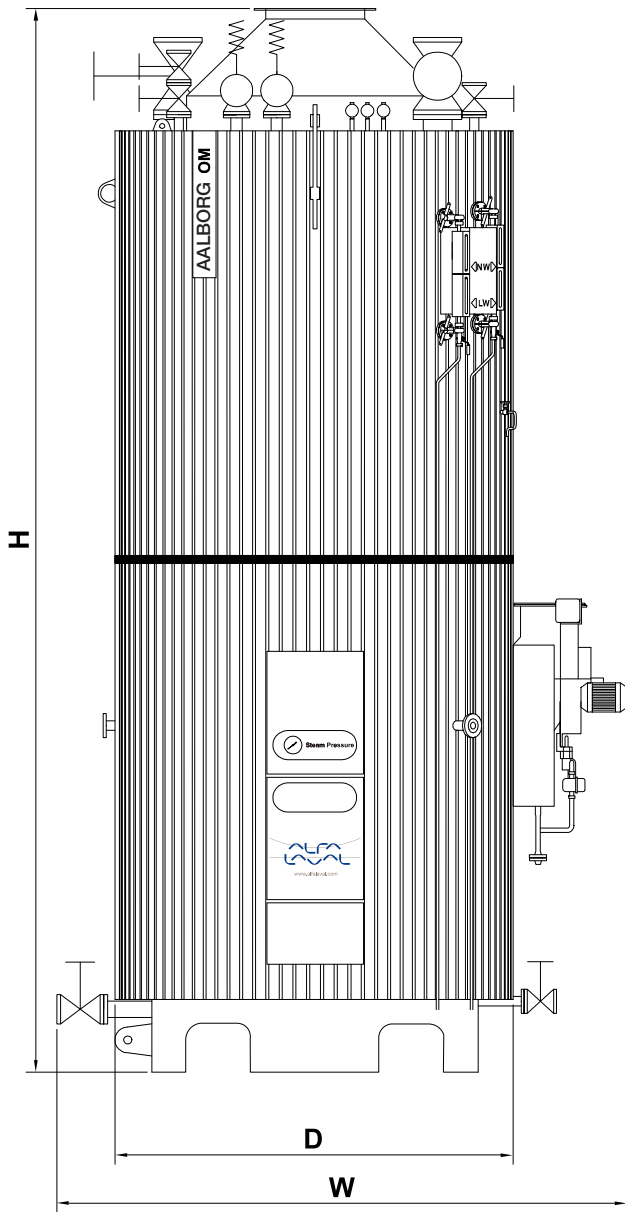
Sufficient circulation is ensured by downcomers placed inside these large furnace tubes. The optimally designed pin-tube elements ensure high performance.

These elements are also used for support of the top plates of the furnace and the boiler.

Capacity range: 8-40 t/h

Design pressure: 11 bar(g) or 18 bar(g)



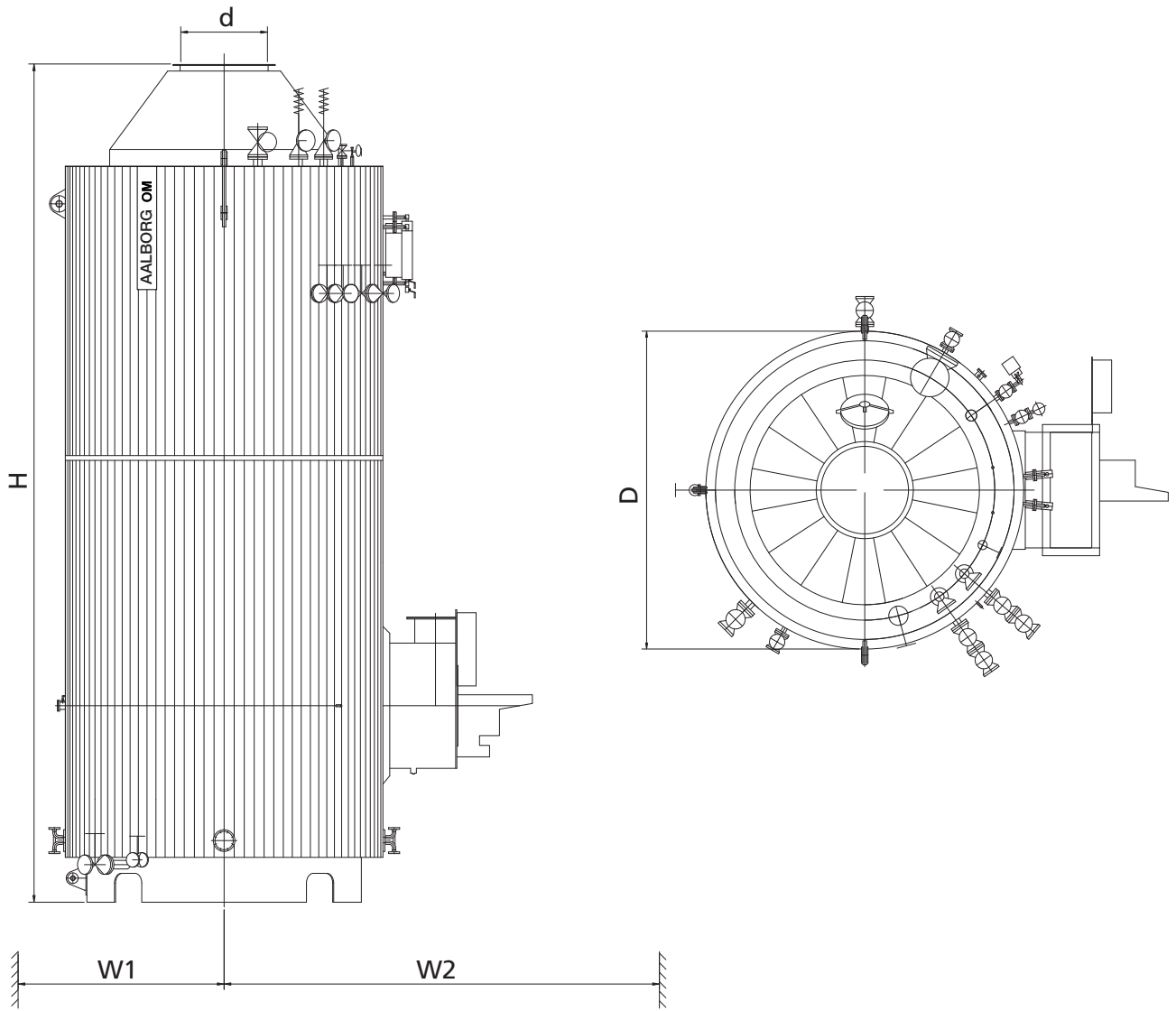


### Standard product range 11 bar(g)

### Capacity and dimensions

Steam capacity kg/h	Design pressure bar (g)	Thermal output at 100% MCR kW	Height H mm	Diameter D (incl. insulation) mm	Width W # mm	Width B mm	Boiler dry weight ton	Boiler operational weight ton
8,000	11	5,600	6,600	2,470	3,670	2,820	17	22
10,000	11	7,000	6,720	2,620	3,960	3,020	19	25
12,500	11	8,800	6,720	2,920	4,260	3,270	22	30
16,000	11	11,200	7,400	3,120	4,460	3,470	27	35
20,000	11	14,000	7,450	3,520	4,860	3,870	32	43

# with KB rotary cup burner.



### Standard product range 18 bar(g)

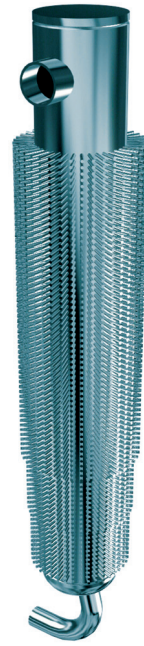
### Capacity and dimensions

Steam capacity	Design pressure	Thermal output at 100% MCR	Height H	Diameter D (incl. insulation)	Width W1 Heating coil removal	Width W2 Burner removal #	Flue gas outlet connection	Boiler dry weight ##	Water volume
kg/h	bar (g)	kW	mm	mm	mm	mm	DN	ton	m <sup>3</sup>
14,000	18	9,800	7,300	3,000	2,015	3,320	700	24	8.3
16,000	18	11,200	7,800	3,000	2,015	3,440	700	27	8.1
20,000	18	14,000	7,900	3,300	2,165	3,595	900	32	10.0
25,000	18	17,500	8,700	3,300	2,165	3,820	900	35	10.5
30,000	18	21,000	9,000	3,600	2,315	4,000	1,000	38	12.6
35,000	18	24,500	9,620	3,900	2,465	4,775	1,000	42	15.1
40,000	18	28,000	9,660	4,100	2,565	4,735	1,200	46	16.6

# With KBSA steam atomising burner

## With burner and accessories

Aalborg OM is equipped with integrated pin-tube elements in the convection section. The design has been significantly enhanced to achieve lower weight and improved strength. The result is that the lifetime of the pin-tubes is extended by a factor of 8. Furthermore, the pintube elements support both the furnace and the boiler top plate.



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**How to contact Alfa Laval**

Contact details for all countries are continually updated on our website. Please visit [www.alfalaval.com](http://www.alfalaval.com)