

**GAS AND OIL FIRED STEAM BOILERS.**



**AB** Fully packaged fuel fired steam boiler.

**AB** Sizes form 96 - 960kg/h (F&A 100C).

**AB** Constructed to BS2790 1992.

**AB** Gas, Oil and Dual-Fired low NOx burner.

**AB** Operating pressures up to 10.34 bar.

**AB** 5 Year warranty.

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*A range of highly efficient and well designed boilers for use in wide variety of process steam applications*

## ALVAN BLANCH VERTICAL STEAM BOILERS.

The Tubeless design of the Alvan blanch range of boilers eliminates the coils and tubes associated with other steam raising plant. This British made boiler, suitable for firing gas, oil or dual fuel operates at high efficiencies and has many unique features.

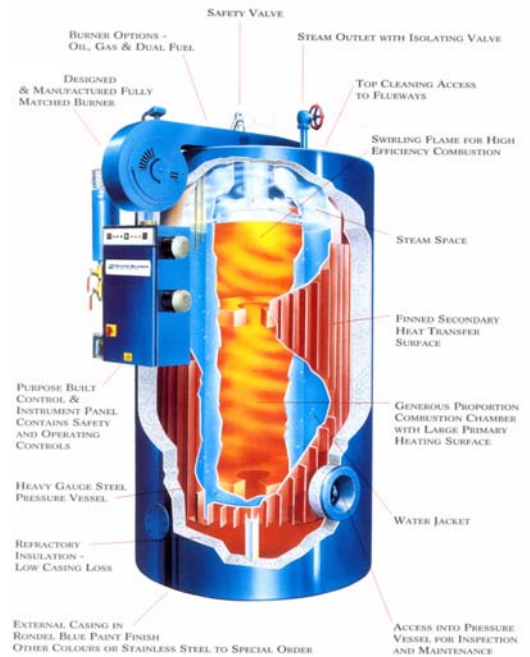
### Application

The range of steam boilers meets the requirements for process steam across a wide range of industrial, pharmaceutical, medical and petrochemical applications. Alvan Blanch boilers have been installed all over the world in installations as diverse as fruit processing, rice par-boiling and animal feed plants. The relatively simple design, complemented by robust construction and top quality materials make the boilers tolerant to fluctuations of load and arduous working conditions.

### Construction

The Alvan Blanch range of boilers are designed and manufactured to the highest specification and quality. A top mounted burner, down fires into a vertical combustion chamber which is contained within the pressure vessel. The 'spinning' flame reverses at the base and passes through the secondary heating space between the pressure vessel and the external insulation jacket. Vertical fins are welded to the pressure chamber to increase heat exchange in the gas flue passage. The boiler is fitted with a heavy gauge mild steel jacket (optional stainless steel) with high quality blue gloss paint finish. Alvan Blanch are able to build boilers to meet special requirements and requirements for the UK and export markets. Our boilers have been specified and installed worldwide in many and varied applications. The boiler, burner and ancillary components controls are built to fully satisfy individual specifications. The boiler control panel incorporates the electrical controls and all safety and operating controls are pre-wired and tested. Every boiler is fully tested and test fired at the factory before despatch. The boiler is easy to service and maintain with good access for cleaning and inspection of internal surfaces.

## Features of the Alvan Blanch Vertical Steam Boiler



S P E C I F I C A T I O N S									
MODEL	6E	8E	10E	15E	20E	30E	40E	50E	60E
OUTPUT (kg/h) F&A 100°C	96	128	160	240	320	480	640	800	960
† Max working Press. (bar)	8.6	8.6	8.6	8.6	8.6	8.6	10.34	10.34	10.34
<b>FIRING RATE</b>									
Gas* (m³h)	7	9.3	11.6	17.4	23.2	34.8	46.4	58.1	69.6
Oil** (l/hr)	7.1	9.4	11.8	17.6	23.6	35.2	47.2	58.9	70.4
<b>ELECTRICAL (requirements)</b>									
FLC (400v, 3ph, 50Hz) amps	4.7	4.7	4.7	4.7	4.9	4.9	6.9	6.9	8.6
(230v, 1ph, 50Hz)	12.7	12.7	12.7	12.7	12.7	14.9	14.9	19.3	19.3
<b>WATER CONTENT (litres)</b>	61	68	91	148	291	640	927	927	1022
<b>WEIGHT full (approx kg)</b>	760	790	900	1110	1710	2670	3980	3980	4170
<b>CONNECTION SIZES (mm)</b>									
Steam Outlet	20	20	25	32	32	40	50	50	50
Feed water	25	25	25	25	25	25	25	25	25
Safety Valve Discharge	32	32	32	32	32	32	32	32	32
Blow down (main)	20	20	20	20	25	25	25	25	25
Blow down ( Water column)	20	20	20	20	20	20	20	20	20

### NOTES

† Standard working pressure: 6-30E—8.6 Bar, 40-60E—10.34 bar. ( Boilers at higher pressures than standard available to special order)

\*Natural Gas Group H. \*\* 35 sec Fuel oil Class D.

1. The gas train can rotate through 360° 2.Optional 15mm water sample point on water column if required. 3.Handholes: Models 6E - 15E - 3, 20E - 30E - 4, 40E - 60E - 5,

in accordance with our policy of continuous development, we reserve the right to change specifications and prices at any time without notice or incurring liability to purchasers.

All goods supplied according to our published terms and conditions of sale (copies on application)

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