



VAP BP

LOW PRESSURE STEAM BOILER



Steam Solution:

VAP BP Low Pressure Steam Boiler

Steam outputs from 140 kg/h to 4000 kg/h

Designed for economical and safe production of low-pressure steam outside regulatory control.

The VAP BP has been specifically developed for the production of low pressure steam (<0.5 bar) to satisfy certain industrial processes that do not require high pressure steam.

ENERGY EFFICIENCY

- By supplying steam at the desired pressure without expansion, the VAP BP avoids unnecessary energy consumption.
- VAP BP is a 2-pass boiler with a substantial combustion chamber and large overall water content. High operating efficiency of up to 92% can be achieved.
- The turbulators inserted in the fire tubes improve the heat exchange and therefore the efficiency of the boiler.

LOW ENVIRONMENTAL IMPACT

- The optimised design, combined with a new generation of burner, provides excellent performance in terms of combustion and environment: low NOx and CO emissions.



SAFE & RELIABLE
DESIGN



ENVIRONMENTALLY
FRIENDLY



FLEXIBLE
SOLUTION



FULL RANGE OF BOILER HOUSE
ANCILLARY EQUIPMENT

WHY CHOOSE THE VAP BP BOILER FROM BABCOCK WANSON?

- High efficiency and low emissions
- High heat exchanges
- Good insulation
- Simple maintenance
- Robustness and long plant life
- Optional economiser
- O2 and CO trim options
- Working pump free in option
- Simple to install
- Complete steam system solution

VAP BP – LOW PRESSURE STEAM BOILER

REDUCED OPERATING COSTS

■ HIGH QUALITY STEAM

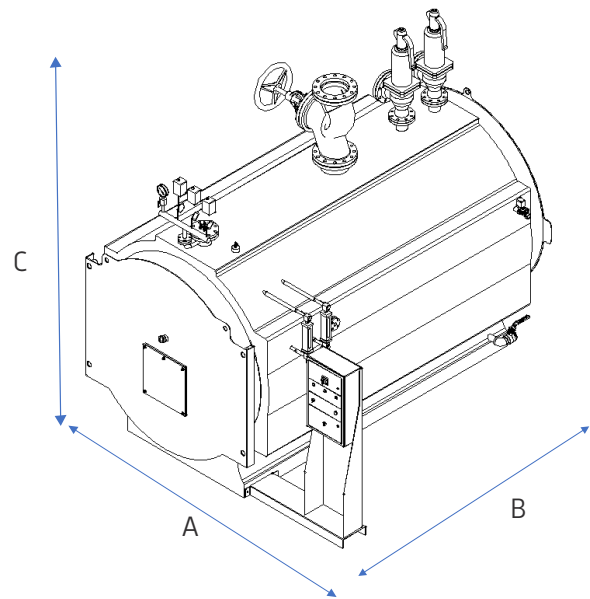
VAP BP steam generators have a large steam chamber to meet peak process demands and ensure dry steam production.

■ SIMPLE MAINTENANCE

The maintenance operations are facilitated by the large hinged front door, on which is attached the burner. The smoke box is also bolted and equipped with a completely removable door for cleaning.

FULL RANGE OF ANCILLARY EQUIPMENT AND SERVICES

- Water treatment chemicals
- Feedwater tanks
- Blow down vessel
- Optional economisers for increased efficiency
- Optional deconcentration purge
- Double pump on skid in option
- Full turnkey design and installation service
- On request, PS 0,98 barg with 24h/72h exploitation mode
- Commissioning and after sales service



| VAP BP | Model | 140 | 200 | 300 | 400 | 500 | 700 | 800 | 1000 |
|---------------------------|-------|------|------|------|------|------|------|------|------|
| Steam Output ¹ | kg/h | 140 | 200 | 300 | 400 | 500 | 700 | 800 | 1000 |
| Power output | kW | 94 | 134 | 201 | 268 | 335 | 469 | 536 | 670 |
| Width A | mm | 1658 | 1658 | 1743 | 1743 | 1865 | 1865 | 2050 | 2050 |
| Length B ² | mm | 1739 | 1809 | 2057 | 2057 | 2061 | 2361 | 2359 | 2559 |
| Height C | mm | 1794 | 1794 | 1886 | 1886 | 2030 | 2030 | 2333 | 2333 |
| Net Weight ² | kg | 850 | 850 | 1220 | 1220 | 1470 | 1650 | 1820 | 1970 |

(1) All steam outputs are from feedwater at 70°C

(2) Excluding burner

| VAP BP | Model | 1250 | 1500 | 1750 | 2000 | 2500 | 3000 | 3500 | 4000 |
|---------------------------|-------|------|------|------|------|------|------|------|------|
| Steam Output ¹ | kg/h | 1250 | 1500 | 1750 | 2000 | 2500 | 3000 | 3500 | 4000 |
| Power Output | kW | 837 | 1005 | 1172 | 1339 | 1674 | 2009 | 2343 | 2678 |
| Width A | mm | 2195 | 2195 | 2195 | 2305 | 2520 | 2600 | 2600 | 2768 |
| Length B ² | mm | 2560 | 2810 | 3060 | 3060 | 3370 | 3367 | 3567 | 3861 |
| Height C | mm | 2614 | 2614 | 2614 | 2843 | 2884 | 3004 | 3004 | 3230 |
| Net Weight ² | kg | 2230 | 2530 | 3150 | 3470 | 4650 | 5150 | 5150 | 7190 |

(1) All steam outputs are from feedwater at 70°C

(2) Excluding burner

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Designers and manufacturers of Industrial Boilers, Air Heaters, Thermal Fluid Heaters, Thermal Oxidisers, Water Treatment Plant and associated equipment. Registered Number 573874 London.

Babcock Wanson's policy is one of continuous improvement and the right is reserved to change specifications and dimensions at any time without notice.

