

# VAP PREMIUM

## RAPID STEAM GENERATOR



### SIMPLE, RELIABLE OPERATION

- The VAP PREMIUM Steam Generator from Babcock Wanson is a vertical, multi-pass Coil Steam Generator benefiting from Babcock Wanson's years of experience in both design and manufacture. The downward fired configuration ensures minimum footprint plus stress free and unrestricted expansion of the coil during normal operation.
- VAP PREMIUM includes an integral, air-cooled outer case that acts both as a combustion air pre-heater/economiser and as a constant barrier between the hot combustion gases and the outer structure. This feature ensures safe operation and long Steam Generator life.
- Fully integrated controls with easy to use touch screen HMI on modulating control units.
- Comprehensive factory testing enables easy site installation and quick and simple commissioning.



**SAFE & RELIABLE  
DESIGN**



**ENVIRONMENTALLY  
FRIENDLY**



**FLEXIBLE  
SOLUTION**



**FULL RANGE OF BOILER HOUSE  
ANCILLARY EQUIPMENT**

### FLEXIBLE SOLUTION

- The VAP PREMIUM vertical multi-pass once through Steam Generator has been designed to operate in a variety of industries and with a wide range of operating pressures.
- Most types of liquid or gaseous fuels can be used.
- Low water content = safe operation.
- Low blowdown demand.
- Choosing Babcock Wanson ensures you meet your process heating requirements.

### WHY SELECT A COIL STEAM GENERATOR?

#### Easy Operation

- Steam produced in less than 5 minutes from cold
- Simple water and chemical treatment requirements
- Reduced inspection requirements
- Low maintenance and long plant life
- Fully digital control panel option including touchscreen operator interface
- Minimum floor space required
- Option for fully modulating electronic control saves energy and improves performance
- Auto Start and Stop plus option for full Sequence Control
- Specialist pump with low maintenance and simple operation

#### High Efficiency

- Small footprint for high output means low heat loss and saves fuel
- Lowest practicable electrical consumption
- High combustion and plant efficiency
- Low water content means fast steaming from cold and saves energy at every start up

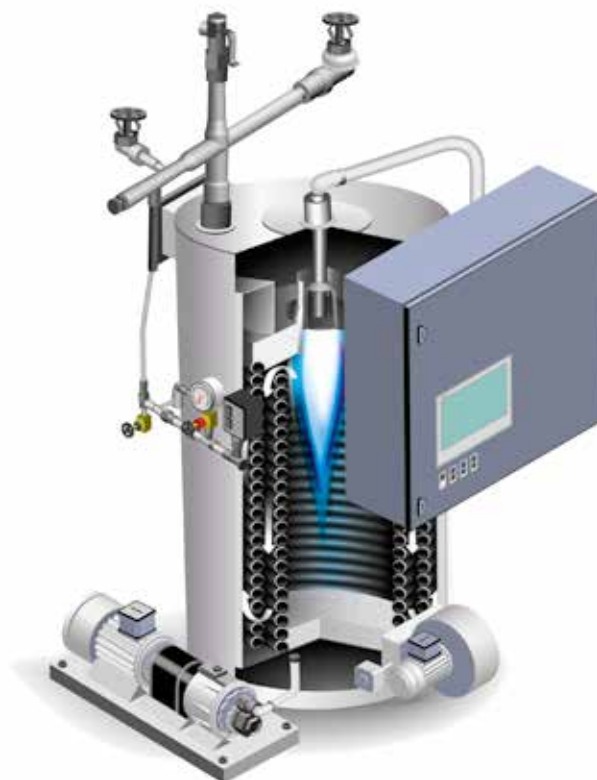
# VAP PREMIUM RAPID STEAM GENERATOR

## ENVIRONMENTALLY FRIENDLY

- Integral Babcock Wanson burner ensures efficient use of fuel, simple maintenance and low cost operation.
- High overall efficiency provides substantial environmental advantages and low overall emissions.

## FULL RANGE OF ANCILLARY EQUIPMENT AND SERVICES

- Feedwater tanks and feed systems.
- Economisers for increased efficiency.
- System ancillaries and heat exchangers.
- Full turnkey design and installation service.
- Babcock Wanson Water Treatment Solutions and support.
- Commissioning and after sales service.
- Water treatment chemicals and full support.



1200 kg/h Unit



600 kg/h Unit



Fully modulating control with HMI

VAP PREMIUM		250 RR	400 RR	600 R	900 RR	1200 RR	1500 RR
Steam Output	kg/h	250	400	600	900	1200	1500
Power Output	kW	175	280	419	628	838	1047
Width A	mm	1150	1400	1400	1600	1750	2000
Length B	mm	1150	1400	1400	1600	2000	2200
Height C	mm	1800	2100	2100	2300	2400	2700
Weight - full coil	kg	350	600	700	950	1350	1700

(1) All steam outputs are from feedwater at 80°C.

(2) Maximum steam working pressure of 12 barg (higher pressures by special design).

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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.

