

VAP RR

RAPID STEAM GENERATOR



SIMPLE, RELIABLE OPERATION

- The VAP Steam Generator from Babcock Wanson is a vertical, multi-pass Coil Steam Generator benefiting from Babcock Wanson's many 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.
- Standard 12 barg working pressure – higher steam pressures up to 100 barg by special construction.
- Integral combustion air preheater plus option for flue gas/feedwater economiser.
- Fully integrated controls with easy to use touch screen HMI ensures simple and reliable operation.
- Comprehensive factory testing enables easy site installation and quick and simple commissioning.
- Fully modulating burner and feed water pump control by variable speed drive improves control and reduces electrical load.



**SAFE & RELIABLE
DESIGN**



**ENVIRONMENTALLY
FRIENDLY**



**FLEXIBLE
SOLUTION**



**FULL RANGE OF BOILER HOUSE
ANCILLARY EQUIPMENT**

FLEXIBLE SOLUTION

- The VAP RR 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.
- Extended unattended operation to suit operating requirements.
- Most types of liquid or gaseous fuels can be used.
- Low water content means safe operation.
- Reduced blowdown demand.

WHY SELECT A VAP RR COIL STEAM GENERATOR?

Easy Operation

- Steam produced in 5-15 minutes from cold
- Simple water and chemical treatment requirements
- Reduced inspection requirements
- Low maintenance and long plant life
- Fully digital control panel including touchscreen operator interface
- Minimum floor space required
- Fully modulating electronic control saves energy and improves performance
- Auto Start and Stop plus option for full Sequence Control
- Specialist pump ensures 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

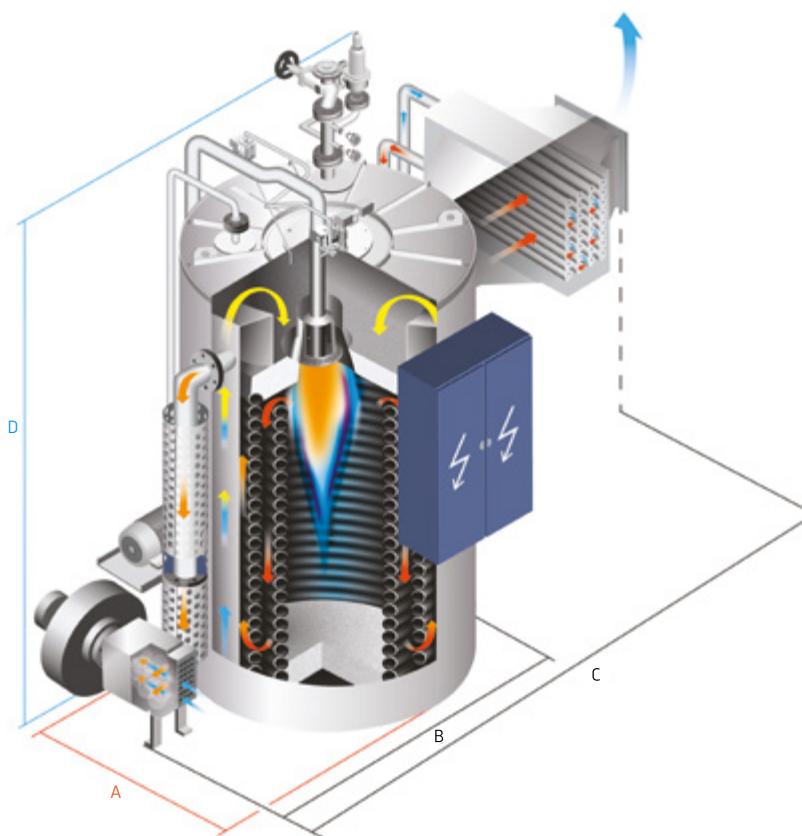
VAP RR RAPID STEAM GENERATOR

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

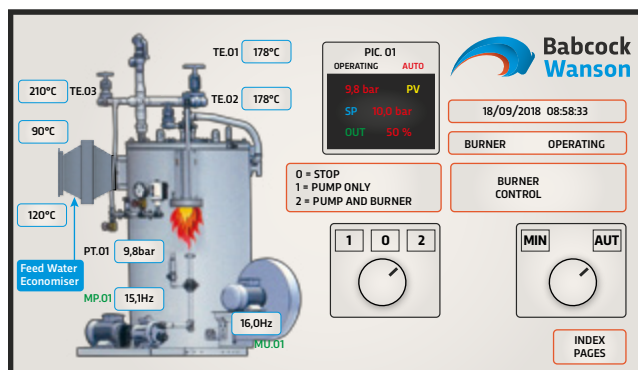
- Feedwater tanks and feed systems.
- Economisers for increased efficiency.
- System ancillaries and heat exchangers.
- Full turnkey design and installation service.
- Babcock Wanson Water Treatment Solutions and support.
- Commissioning and after sales service.



3 x 2000 kg/h Units



1500 kg/h Unit



Fully modulating control with touch screen HMI

VAP RR		1500 RR	2000 RR	2500 RR	3500 RR	4250 RR	5000 RR	7000 RR
Steam Output	kg/h	1500	2000	2500	3500	4250	5000	7000
Power Output	kW	1047	1396	1745	2443	2966	3490	4886
Width A	mm	1700	1900	2000	2300	2400	2600	2850
Length B (standard)	mm	2100	2450	2450	2900	2900	3150	3850
Length C (with optional economiser)	mm	2800	3580	3650	4200	3900	4200	5100
Height D	mm	2900	3280	3702	3800	4200	4800	4530
Weight - full coil	kg	2600	3000	3500	5200	6900	7700	10500

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

(2) Dimensions are for standard 12 barg working pressure (higher pressures by special design).

Babcock Wanson UK Limited 7 Elstree Way, Borehamwood, Hertfordshire, WD6 1SA UK
Tel: +44 (0) 20 8953 7111 | **Email:** info@babcock-wanson.co.uk www.babcock-wanson.co.uk

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.

