

TPC-B THERMAL FLUID HEATER



SIMPLE RELIABLE OPERATION

- The TPC-B Heater from Babcock Wanson is a vertical multi-pass fired heater with a long pedigree of both design and construction. The downward fired configuration ensures stress free and unrestricted expansion of the heater coil during normal operation.
- TPC-B includes an integral, air-cooled outer case that acts as both a combustion air pre-heater/economiser and as a constant barrier between the hot combustion gasses and the outer structure. This feature ensures safest operation and long heater life.
- Fully integrated and factory tested control system for simple site installation.









FLEXIBLE SOLUTION

- The TPC-B Thermal Fluid Heater has been designed to operate in a diverse range of industries and with a wide variety of heat transfer fluids.
- All kinds of liquid or gaseous fuels can be used.
- Choosing Babcock Wanson ensures you meet your process heating requirements.
- Low pressure, high temperature operation.

WHY THERMAL FLUID?

Easy Operation

- No freezing hazard
- No liquid effluent produced
- No water treatment or chemicals required
- Very low maintenance and very long plant life
- Corrosion free

Efficiency

- Closed circuit operation no loss system
- High combustion and plant efficiency
- 20% to 50% less energy consumed to transfer the same amount of heat compared with steam

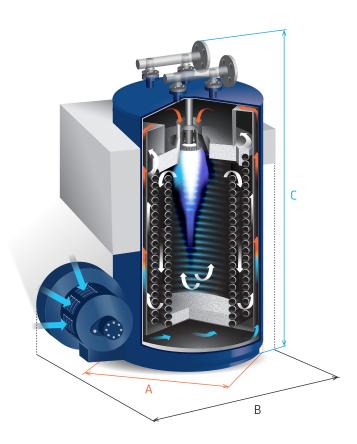
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ENVIRONMENTALLY FRIENDLY

- Integral Babcock Wanson burner ensures efficient use of fuel, simple maintenance and compliance with emission standards.
- High efficiency thermal fluid systems provide substantial environmental advantages and low overall emissions.

FULL RANGE OF ANCILLARY EQUIPMENT

- Heat transfer fluid pumps
- Babcock Wanson Combined Deaerator and Expansion tank
- Valves and controls
- System ancillaries and heat exchangers
- Full turnkey design and installation service
- Commissioning and After Sales service









Manufacturing Site

TPC-	B model	100 B	200 B	400 B	600 B	1000 B	1500 B	2000 B	2500 SC	3000 SC	3000 B	4000 B	5000 B	6000 B
Outpu	t kcal/h x 1000	100	200	400	600	1000	1500	2000	2500	3000	3000	4000	5000	6000
	kW	116	232	465	698	1163	1745	2326	2908	3489	3489	4652	5815	6978
Width	A mm	650	650	850	1025	1255	1450	1790	2300	2770	2355	2355	2430	2725
Length	B mm	1250	1250	1380	1550	2110	2400	2730	3440	3905	3490	3630	3660	3960
Heigh	C mm	1800	1800	1900	1980	2620	3240	3260	3360	3330	4195	5155	5870	6280

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