

Pressure flow heater, oil heated, BR1000 Eco Plus

Innovation

The new burner technology of Theodor Henrichs GmbH respects despite high efficiency the legal requirements of „BImSchG“. The heating capacity of approx. 90-95 KW can easily be controlled by a digital thermostat and a two-step pump. If constantly high temperatures are need the pressure flow heater BR1000 ECO PLUS is exactly what you need.

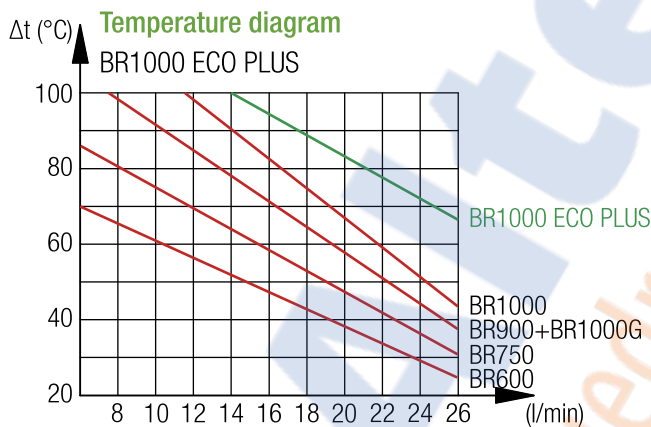
Advantages:

- Heating capacity of 90-95 KW low exhaust gas temperatures
- Exhaust gas emissions are observed despite high efficiency
- Permanent temperatures by intelligent control

Application area:

- Hygiene: filling automats for water and juices.
- Renovation: rehabilitation of canal and pipe systems.
- Availability of renovation: concrete rehabilitation.

Please contact us for further information, the technical data will be printed on the following page.



Range of capacity of the different types:

Within the indicated range of capacity the machines can be adjusted to the required capacity by varying the oil or gas pressure respectively and by adjusting the combustion air. Parallel connection of several machines, multiply the capacity.

The diagram shows the achievable water temperatures with an oil pressure of 13 bar. With pleasure we will assist you when calculating your individual requirements.



Mixing unit



Suntec 2 step pump



Störk digital thermostat



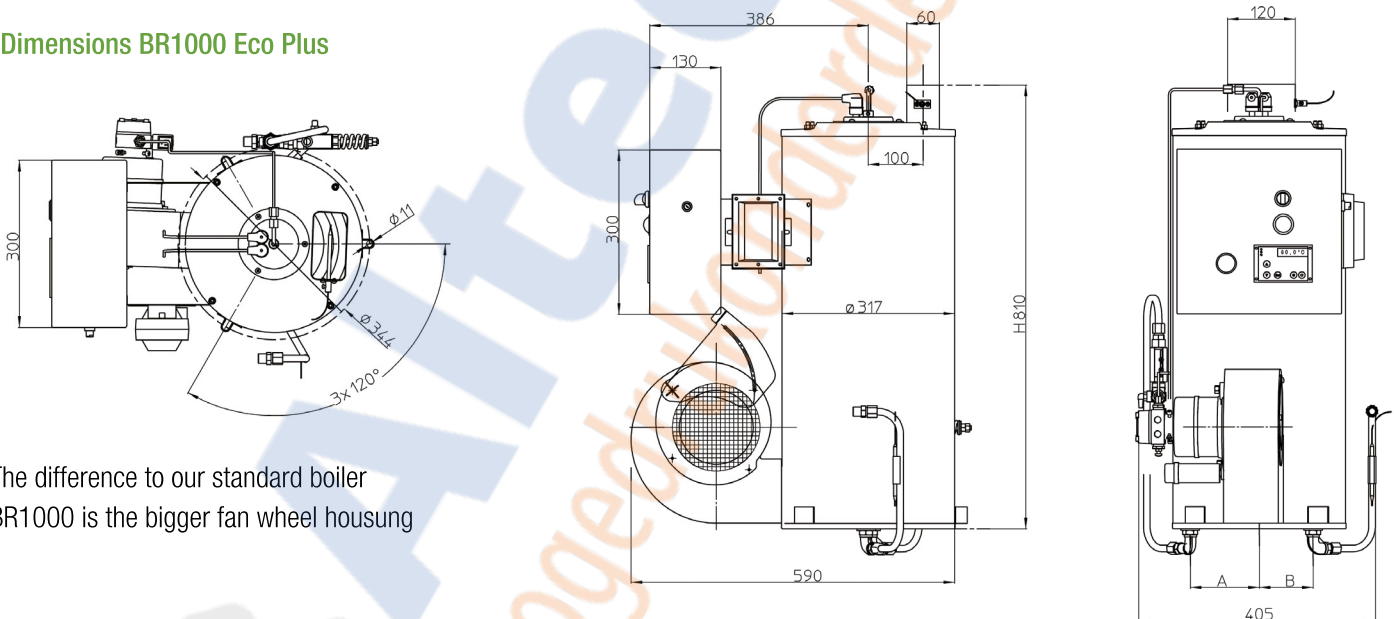
Safety equipment

Technical Data

Type BR1000 Eco Plus, oil heated, 230V 50Hz, 12V and 24V

Description	200 bar	300 bar	500 bar	700 bar
Content, heating coil	7,60 Ltr.	4,17 Ltr.	3,66 Ltr.	1,62 Ltr.
Nominal width heating coil	1/2"	3/8"	3/8"	3/8"
Allowed operating temperature [°C]	95	95	95	95
Dimension l x w x h [mm]	590x405x850	590x405x850	590x405x850	590x405x850
Weight [kg]	63,90	69,00	75,00	92,60
Tube length of heating coil [m]	32	40	40	40
Tube Ø of the heating coil [mm]	21,4	17,2	18,0	18,0
Operating voltage/ Frequency [V/Hz]	230/50	230/50	230/50	230/50
	12 and 24	12 and 24	12 and 24	12 and 24
Total current consumption [Watt]	440	440	440	440
Oil pressure [bar]	7 - 14	7 - 14	7 - 14	7 - 14
Nozzle [G/h]	2,25	2,25	2,25	2,25
max. fuel consumption [l/h]	9,15 - 12	9,15 - 12	9,15 - 12	9,15 - 12
Heating capacity [kW]	90-95	90-95	90-95	90-95
Efficiency of combustion [%]	>=91	>=91	>=91	>=91
Max. exhaust gas temperature [°C]	230	230	230	230
Exhaust gas loss [%]	<=9	<=9	<=9	<=9

Dimensions BR1000 Eco Plus



The difference to our standard boiler BR1000 is the bigger fan wheel housing

Gross price list, oil heated boiler BR1000 Eco Plus, 230V 50 Hz, WITH safety control

Equipped with: switch box with content according to circuit diagram, digital thermostat, PTC-sensor, 2-step-pump, temperature limiter, flow switch, safety valve, flame control, diffusor long, inner coat of stainless steel, 3m electric cable, big fan housing & fan wheel.

The basic equipment corresponds to the units of page 4. (Surcharge M10440001-2)

Boiler type	Operation pressure [bar]	Nomin. width	Steel heating coil ST		Stainless steel heating coil 1.4301	
			Item number		Item number	
BR1000EcoPlus/200	200	1/2"	V1040001408-ECO		V1040001412-ECO	
BR1000EcoPlus/300	300	3/8"	V1040000511-ECO		V1040001114-ECO	
BR1000EcoPlus/500	500	3/8"	V10400040-ECO		On request	