

## BLOWTHERM BHP-EN SERIES

### High Pressure Steam Boiler Pmax. 12 bar

The BHP-EN high pressure steam boilers Pmax.12 bar have been designed, manufactured and certified according to the 97/23/EEC Directive (PED pressure equipment Directive).

#### SPECIFICATION

- High efficiency reverse flame combustion chamber
- Wide furnace with wet back
- Turbulators in AISI 430 stainless steel
- Easy maintenance thanks to the big front door and to the bolted smoke chamber
- totally dismountable
- Thermo-insulation for combustion chamber in mineral wool
- Cover in glazed aluminum sheet
- Electrical Control panel for automatic working of the boiler



**Burner:** Unit furnished with burner, Electronic Ignition Controller, Ignition electrode, Ignition transformer, diesel pump with oil valves and interconnecting piping.

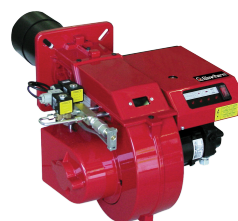
**CE Gas train** to include - Class A multi-block gas valve (slow opening single stage + safety valve), - Gas Pressure switch, - Gas Pressure reducer + filter. **CE-CT Gas train** (available on request) include - Class A multi-block gas valve (slow opening single stage + safety valve), - Valve proving system (control of gas leakage), - Gas Pressure switch, - Gas Pressure reducer + filter.

**Fuel Options:** Natural Gas, High-speed diesel oil, Heavy oil, Dual Fuel Oil/Gas Burners

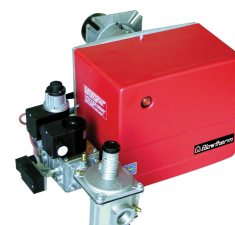
#### Controls & Accessories:

##### Standard Supply:

- Steam supply valve
- Safety probes 2 Nos.
- Level control with probes
- Spring Safety valves 2 Nos.
- Discharge flow valve & blowdown valve
- Working Pressure switches 2 Nos.
- Safety Pressure switch
- Dial manometer with three-way cut-off cock
- Visual level indicator complete with cut-off and drain cocks 2 Nos.
- Feed Electro-pump with flow valve and non-return valve
- Steam injector with 2 No. started flow valves
- Counter-flanges on the hydraulic connections
- Main control board for automatic working of the boiler
- Smoke thermostat



OIL BURNER



GAS BURNER

#### Options on Request

- Version for max working pressure 15bar
- Burner flange with correct mounting predisposition
- Stainless steel cover
- Second Feed Electro-pump (without injector)
- Automatic Blow-down unit for muds
- Automatic Blow-down unit for muds with TDS (salinity) control
- Condensate collection tank
- Tube brush for tubes cleaning



OIL & GAS  
BURNER

MODEL - BHP-EN	140	200	300	400	500	700	800	1000	1250	1500	1750	2000	2500	3000	3500	4000	5000
Nominal Capacity kW	97	138	208	277	346	485	554	692	865	1038	1212	1385	1731	2077	2423	2769	3463
Furnace Capacity kW	108	153	231	308	384	539	616	769	961	1154	1347	1539	1923	2308	2692	3077	3847
Steam Production	140	200	300	400	500	700	800	1000	1250	1500	1750	2000	2500	3000	3500	4000	5000
Boiler Efficiency %	89.8	90.2	90	89.9	90.1	90	89.9	90	90	89.9	90	90	90	90	90	90	90
Empty Weight Kg	1150	1150	1450	1450	2200	2310	2550	2800	3480	3650	3900	4650	5500	6400	6850	8600	12500

Feedwater 70°C - Pressure 12 bar