



**COIL MONOBLOC STEAM GENERATOR
WITH 3 FLUE GAS PASSES**

RANGE	from 35 kW (50 kg/h) to 2090 kW (3000 kg/h)					
EXECUTION	horizontal or vertical					
CARRIER FLUID	steam					
DESIGN PRESSURE	11.76 bar					
DESIGN TEMPERATURE	190°C					
MODELS	50	100	200	300	450	600
	800	1250	1900	2000	2500	3000

DESCRIPTION

Horizontal or vertical, 3 actual flue gas passes, coil monobloc steam generator.

The GVI series generators are instant steam production type devices, without a storage tank and, therefore, explosion-proof. The generator has three flue gas passes with a fully shielded combustion chamber. The water circulation through pipes, which form the heating surface of the generator, takes place by means of a two-speed volumetric electric pump, complete with high-temperature mechanical seals. Insulation by high-density mineral wool panels and stainless steel lining. Hinged front door for easy opening without removing the burner. The rear plate is bolted for coil inspection. The self-supporting support frame is made of steel profiles.

Standard supply composition

- Two-speed volumetric electric pump for water supply, complete with inverter-controlled HT high-temperature mechanical seals (for water temperature up to 85°C)
- Inverter frequency variator
- Control pressure switches
- Steam safety pressure switch
- Clogging pressure switch
- Safety and steam temperature control heating controller
- Steam safety thermostat
- Flue gas thermostat
- Steam pressure gauge plus pressure gauge valve with test flange
- Water pressure gauge
- PED-approved safety valve
- Pump intake filter
- Safety flow switch
- Coil input check valve
- Manual condensate drain valve
- PN16 Steam socket valve
- Pump for artificial head
- Boiler control panel

BOARD PANEL

Boiler electrical control panel in an IP55 protection metal cabinet complete with:

- door lock main switch
- auxiliary and motor circuit breaker relays and contactors
- potential partialisation and control selectors
- emergency and safety device reset buttons
- safety and operating warning lights
- steam temperature control and display heating controller

TECHNICAL DATA

Model	Steam production	Nominal output	Max. working pressure	Steam valve	ΔP smoke side	Chimney
	kg/h	kW	bar	DN	mbar	Ø mm
50	50	34.9	11.7	15	0.4	100
100	100	63.2	11.7	20	0.6	100
200	145	91.6	11.7	25	2.5	150
300	240	151.6	11.7	25	2.5	150
450	350	221.1	11.7	32	3.5	200
600	600	378.9	11.7	40	3.5	250
800	800	505.3	11.7	40	3.5	250
1000	1000	631.6	11.7	40	5.0	250
1250	1250	789.5	11.7	50	6.0	350
1500	1500	947.4	11.7	50	6.0	350
2000	2000	1263.2	11.7	65	4.5	350
2500	2500	1578.9	11.7	80	5.5	450
3000	3000	1894.7	11.7	80	6.5	450