

GI... DSPG

From 1581 to 6500 kW

Conform to:
E.M.C. Directive 89/336/CEE
L.V. Directive 73/23/CEE



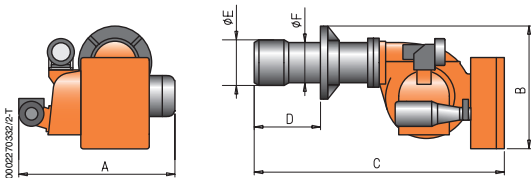
TECHNICAL AND FUNCTIONAL CHARACTERISTICS



- Two-stage progressive output operation.
- Continuous modulation operation by installing P.I.D. controller on control panel (to be ordered separately with modulating kit).
- Ability to obtain optimal combustion values by regulating combustion air and blast-pipe.
- Maintenance facilitated by the fact that the atomisation unit can be removed without having to remove the burner from the boiler.
- Minimum and maximum air flow regulation for first and second stage by means of electric servomotor with pause closure of gate to prevent any heat dispersion to flue.
- Equipped with one flange and one insulating seal for boiler fastening, 2 flexible hoses, one line filter; nozzle not included, to be ordered separately depending on the required flow.

CONSTRUCTION CHARACTERISTICS

- The burner consists of:
- Combustion air intake with air flow adjustment device.
 - Sliding boiler coupling flange to adapt the head protrusion to the various types of boilers.
 - Air pressure switch to ensure the presence of combustion air.
 - Electric servomotor with mechanical cam for simultaneous regulation of combustion air and fuel.
 - Gear pump with pressure regulator.
 - Atomisation unit with magnet to control the outlet/nozzle return pins.
 - Automatic control and command equipment for the burner compliant with European standard EN230.
 - Flame detection by photoresistance.
 - On-board control panel comprising stop/go switch, automatic/manual and minimum/maximum selector, operation and block indicator.
 - Terminal block for the electrical and thermostatic connections to the burner and to control the second stage of working or for the connection of the electronic output regulator.
 - Electrical protection rating IP40.



Model	A mm	B mm	C mm	D mm	E mm	F mm
GI 350 DSPG	1345	970	1900	275 ÷ 500	360	275
GI 420 DSPG	1345	1040	2030	275 ÷ 560	355	355
GI 510 DSPG	1345	1040	2030	275 ÷ 560	355	355

Thermal output kW	Model	Part no.	Max visc. °E at 20°C	Electrical supply	Motor kW	Size of packaging L x P x H mm	Weight kg	Notes
Frequency 50 Hz								
1581 ÷ 4743	GI 350 DSPG	6501010	1,5	3N AC 50Hz 400V	15,0+2,2	2270 x 1600 x 1250	500	4)
1840 ÷ 5522	GI 420 DSPG	6506010	1,5	3N AC 50Hz 400V	18,5+2,2	2270 x 1600 x 1250	540	4)
2430 ÷ 6500	GI 510 DSPG	6511010	1,5	3N AC 50Hz 400V	18,5+3,0	2270 x 1600 x 1250	580	4)
Frequency 60 Hz								
1581 ÷ 4743	GI 350 DSPG	65015410	1,5	3N AC 60Hz 400V	11+2,6	2270 x 1600 x 1250	500	4)
1840 ÷ 5522	GI 420 DSPG	65065410	1,5	3N AC 60Hz 400V	13+2,6	2270 x 1600 x 1250	540	4)
2430 ÷ 6500	GI 510 DSPG	65115410	1,5	3N AC 60Hz 400V	22+3,5	2270 x 1600 x 1250	580	4)

To complete the burner

Nozzle with 1-3 ratio (see page 229).

Modulating mode

Part.no

98000055 Modulation kit (see page 228).

Modulating probe kit (see page 228)

Optionals

Description

Biodiesel operation (5)

Light oil burner accessories

Line filter - Flex hoses - Boiler coupling kit

Notes

- 4) Equipped with air closure device.
Net calorific value of light oil: Hi = 42,70 MJ/kg = 10200 kcal/kg.
5) Biodiesel according to european norm EN14213-FAME.
Net calorific value of light oil: Hi = 42,70 MJ/kg = 10200 kcal/kg.

