GI 420 DSPN-D 50Hz

Code: 6538010

Series: GI DSPN-D

Technical and functional features

-Heavy oil burners.
-Two-stage progressive output operation.
-Ability to operate with output modulation by means of automatic RWF40 regulator mounted on the control panel (order separately with the specific modulation kit).
-Compatible with any type of combustion chamber.
-High pressure mechanical atomisation of fuel using nozzle.
-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.
GI 350 - 420 - 510 DSPN-D
-Comes with 2 flexible oil pipes, 1 self cleaning and heated heavy oil filter, 1 flange and 1 insulating seal to connect the burner to the application. Nozzle must be ordered separately according to the burner nominal output reqired..
GI 1000 DSPN-D
-Comes with 2 flexible oil pipes, 1 self cleaning and heated heavy oil filter, 1 flange and 1 insulating seal to connect the burner to the application. Nozzle must be ordered separately according to the burner nominal output reqired..

Design features

-High performance centrifugal fan.
-Combustion air inlet with device to adjust the air flow.
-Adjustable blast-pipe with stainless steel nozzle and deflector disk in steel.
-A three-phase electric motor to run fan and another to run the pump.
-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.
-Heating resistor for the pump, regulator valve and the atomisation unit.
-Atomisation unit with magnet to control the outlet/nozzle return pins.
-Sequence controller - EN 230..
-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 regolator.
-Electrical plant protection rating IP40.
GI 350 - 420 - 510 DSPN-D
-Light aluminium alloy fan part.
-Sliding boiler coupling flange to adapt the head protrusion to the various types of boilers.
-Electrical fuel preheater comprising antigas valve, self-cleaning filter, thermometer, regulation thermostats and minimum safety device.
-Photoresistance flame scanner.
-Control panel comprising stop/go switch, automatic/manual and minimum/maximum selector, and operation, block and pre-heating resistors on indicators.
GI 1000 DSPN-D

-Steel fan part.
-Flange for connection with generator anchored with hinge for easy dismantling of spray nozzle unit and flame disc.
-Two electrical preheaters in series and mounted on a frame comprising antigas valve, self-cleaning filter, thermometer, electronic temperature regulation and safety thermostats.
-Ultra Violet cel flame scanner.
-On board derivation box and remote control panel including:Start/stop switch.Automatic/manual and minimum/maximum selector.Operation, block, pre-heating resistors on and fuel used indicators.
-Burner ignition gas train complete with operating and safety valve, minimum pressure switch, pressure control and gas filter.

Available version on request

-Burner may be integrated with a steam-operated supplementary fuel oil preheater which allows fuel oil to be heated with steam from the boiler during regular operation, saving electricity.

Technical Data - GI 420 DSPN-D 50Hz:

Minimum Rated output	1840	kW
Maximum Rated output	5522	kW
Minimum oil flow rate	165	kg/h
Maximum oil flow rate	495	kg/h
Fuel max viscosity	50	°E
Motor rated power	21.5	kW
Tank resistors rated power	28.5	kW
Electric Power Supply Phase	3	N
Electric Power Supply Frequency 1	50	Hz
Electric Power Supply Current	AC	
Electric Power Supply Voltage	400	V
Width	1345	mm
Height	1040	mm
Depth	2030	mm
Weight	672	kg
Pack Width	2270	mm
Pack Height	1250	mm
Package depth	1600	mm