COMIST 20 50Hz

Code: 54770010

Series: COMIST

Technical and functional features

-Dual fuel natural gas/light oil burners..
-Single stage operation (on/off).
-Compatible with any type of combustion chamber.
-Air-gas mixing at blast-pipe and 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 mixing unit and the atomisation unit can be removed without having to remove the burner from the boiler.
COMIST 20
-Manual air flow adjustment.
-Possibility to chose gas train with valve tightness control.
-Comes with 2 flexible oil pipes, 1 nozzle, 1 oil filter, 1 flange and 1 insulating seal to connect the burner to the application.
COMIST 36 - 72
-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.
-Ability to link the gas burner train to valves seal control device.
-Comes with 2 flexible oil pipes, 2 nozzles, 1 oil filter, 1 flange and 1 insulating seal to connect the burner to the application.
COMIST 122 - 180 - 250 - 300
-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.
-Tightness gas valve control, EN676.
-Comes with 2 flexible oil pipes, 3 nozzles (2 for COMIST 122), 1 oil filter, 1 flange and 1 insulating seal to connect the burner to the application.
-Preparation for automatic fuel switching (on request for COMIST122).

Design features

-Light aluminium alloy fan part.
-High performance centrifugal fan.
-Combustion air inlet with device to adjust the air flow.
-Flange connecting sliding generator to adapt the protuberance of the head to various types of heat generators (fixed for COMIST36).
-Adjustable blast-pipe with stainless steel nozzle and deflector disk in steel.
-Sequence controller - EN 298..
-Ultra Violet cel flame scanner.
-Electrical plant protection rating IP40.
COMIST 20
-One monophase electric motor to run the fan and one to run the pump.
-Air pressure switch to ensure the presence of combustion air.
-Gas train complete with operation and safety valve, minimum pressure switch, pressure regulator and gas filter.
-Gear pump with pressure regulator and fuel stop-cock valve.
-Control panel comprising stop/go switch, fuel change switch, and operation, block and fuel used indicators.

-Terminal block for the electrical and thermostatic supply for the burner.

COMIST 36 - 72

-One three-phase electric motor for driving fan, one electric motor (single-phase for COMIST36, three-phase for COMIST72) for driving pump.

-Gas train complete with operation and safety valve, minimum pressure switch, pressure regulator and gas filter.

-Gear pump with pressure regulator, fuel stop-cock valve and safety valve.

-Control panel comprising stop/go switch, 1st/2nd stage selector, fuel change switch, and operation, block and fuel used indicator.

-Terminal block for the electrical and thermostatic connections to the burner and to control the second stage of working.

COMIST 122 - 180 - 250 - 300

-A three-phase electric motor to run fan and another to run the pump.

-Gas train complete with operation and safety valve, valves seal control, minimum pressure switch, pressure regulator and gas filter.

-Gear pump with pressure regulator, fuel stop-cock valve and safety valve.

-Spray nozzle unit with closing pin on nozzle (COMIST 180 only).

-Control panel comprising stop/go switch, 1st/2nd stage selector, fuel change switch, and operation, block and fuel used indicator.

-Terminal block for the electrical and thermostatic connections to the burner and to control the second stage of working.

Available version on request

-Equipping for automatic fuel switching.

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Technical Data - COMIST 20 50Hz:

Minimum Rated output	80	kW
Maximum Rated output	230	kW
Minimum light oil flow rate	6.7	kg/h
Maximum light oil flow rate	19.4	kg/h
Minimum gas flow rate	8	m3/h
Maximum gas flow rate	23.1	m3/h
Fuel max viscosity	1.5	°E
Motor rated power	0.36	kW
Electric Power Supply Phase	1	N
Electric Power Supply Frequency 1	50	Hz
Electric Power Supply Current	AC	
Electric Power Supply Voltage	230	V
Width	660	mm
Depth	820	mm
Weight	40	kg
Pack Width	1100	mm
Pack Height	720	mm
Package depth	750	mm
Weight of Packaging	61	kg