



COMIST 72 N 50Hz

Code: 55380010

Series: COMIST N

Technical and functional features

- Dual fuel natural gas/heavy oil burners.
- Two-stage operation (high/low flame).
- 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.
- 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.
- Equipping for automatic fuel switching.

COMIST 72 N

- 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 N - COMIST 180 - 250 - 300 NM

- Tightness gas valve control, EN676.
- Comes with 2 flexible oil pipes, 2 nozzles (only COMIST 122), 1 oil filter, 1 flange and 1 insulating seal to connect the burner to the application. Nozzle must be ordered separately for COMIST 180/250/300..

Design features

- Light aluminium alloy fan part.
- High performance centrifugal fan.
- Combustion air inlet with device to adjust the air flow.
- Sliding boiler coupling flange to adapt the head protrusion to the various types of boilers.
- 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.
- Sequence controller - EN 298..
- Ultra Violet cel flame scanner.
- Control panel comprising stop/go switch, 1st/2nd stage selector, fuel change switch, and operation, block, pre-heating resistors on and fuel used indicator.
- Terminal block for the electrical and thermostatic connections to the burner and to control the second stage of working.
- Electrical plant protection rating IP40.

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- 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.
- Atomisation unit with nozzle-closing pin.
- Electrical fuel preheater comprising antigas valve, filter, thermometer and minimum and regulation thermostat.

COMIST 122 N - COMIST 180 - 250 - 300 NM

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

- Gear pump with pressure controller (fuel on/off valve and safety valve for COMIST 122 only).
- Spray nozzle unit with closing pin on nozzle for COMIST 122; spray nozzle unit with magnet for controlling nozzle delivery/return pins for COMIST 180 - 250- 300.
- Electrical fuel preheater comprising antigas valve, filter, thermometer and minimum and regulation thermostat.

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.
- Steam pre-heater.

Technical Data - COMIST 72 N 50Hz:

Minimum Rated output	348	kW
Maximum Rated output	916	kW
Minimum oil flow rate	31	kg/h
Maximum oil flow rate	82	kg/h
Minimum gas flow rate	35	m3/h
Maximum gas flow rate	92	m3/h
Fuel max viscosity	7	°E
Motor rated power	1.85	kW
Tank resistors rated power	7.5	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	575	mm
Depth	1310	mm
Weight	125	kg
Pack Width	1730	mm
Pack Height	880	mm
Package depth	1030	mm
Weight of Packaging	180	kg