

MINICOMIST 7

kW

From 38,5 to 66,8 kW

Conform to:
 Gas Directive 90/396/CEE
 E.M.C. Directive 89/336/CEE
 L.V. Directive 73/23/CEE
 Reference standard: EN676 and EN267



TECHNICAL AND FUNCTIONAL CHARACTERISTICS



- Alternate natural gas/light oil burner.
- Single stage operation (on/off).
- 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.
- Manual air flow adjustment.
- Possibility to chose gas train with valve tightness control.
- Equipped with one flange and one insulating seal for boiler fastening, 2 flexible hoses, one line filter and one nozzle.
- On request: longer blast tube, automatic device for the switchover of fuel outside the burner.

CONSTRUCTION CHARACTERISTICS

The burner consists of:

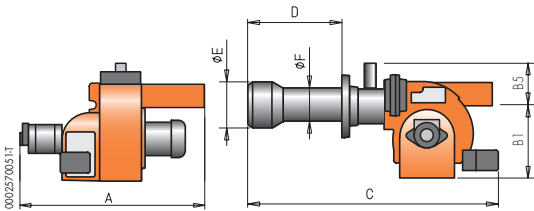
- Combustion air intake with air flow adjustment device.
- Sliding boiler coupling flange to adapt the head protrusion to the various types of boilers.
- Air pressure switch to ensure the presence of combustion air.
- Gear pump with pressure regulator and fuel stop-cock valves.
- Automatic control and command equipment for the burner, compliant with European standard EN298.
- Flame detection by UV photo-electric cell.
- On-board terminal box and separate control panel comprising stop/go switch,

fuel change switch and operation, blok and fuel indicators.

- Terminal block for the electrical and thermostatic connections to the burner.
- Electrical protection rating IP40.

To be ordered separately:

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



Model	A mm	B1 mm	B5 mm	C mm	D mm	E mm	F mm
MINICOMIST 7	575	205	80	510	40 ÷ 156	95	95

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								
38,5 ÷ 66,8	MINICOMIST 7	54700010	1,5	1N AC 50Hz 230V	0,13 + 0,10	1060 x 660 x 600	45	
Frequency 60 Hz								
38,5 ÷ 66,8	MINICOMIST 7	54705410	1,5	1N AC 60Hz 230V	0,13 + 0,10	1060 x 660 x 600	45	

Optionals

Description

350 mm long combustion head
 Device for the automatic fuel switch-over outside the burner.

Dual fuel burner accessories

Line filter - Flex hoses - Nozzle - Boiler coupling kit

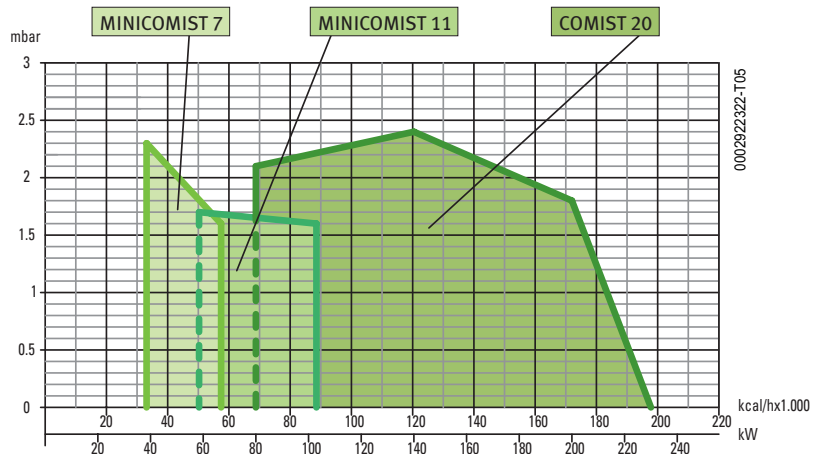
Notes

12) Valve tightness control not required by EN676.
 CTV) Gas train with Valve Tightness Control.
 **) Maximum gas inlet pressure at pressure regulator in CE version, at gas train for EXP version.

Net calorific value:

Natural gas: $H_i = 35,80 \text{ MJ/m}^3 = 8550 \text{ kcal/m}^3$,
 at reference conditions of 0°C, 1013 mbar;

Light oil: $H_i = 42,70 \text{ MJ/kg} = 10200 \text{ kcal/kg}$.



Burner/gas train match

CE gas train version complies with EN676, EXP gas train version is for extra-European markets

Burner model	Gas type	Version	Curve on graph	Execution	P.Max** mbar	Gas train Part no.	Regulator with incorporated filter Part no.	Burner/gas train adapter Part no.	Valve tightness control kit Part no.	Pic.	Notes
MINICOMIST 7	NATURAL GAS	CE	32A		65	19990466	Included	96000001	–	M2	
			32B		360	19990002	Included	–	–	M2	
		EXP	CTV	360	19990002	Included	–	98000101	M2	12)	
			32A		65	19990466	Included	96000001	–	M2	
			32B		360	19990002	Included	–	–	M2	
			CTV	360	19990002	Included	–	98000101	M2		
		32J		40	19990235	–	–	–	ME1		

To choose the correct gas train please refer to the information on page 10.
For information on the structure, composition, and size of the gas train please refer to the diagrams on page 234.

