

SPARKGAS 30

From 60 to 300 kW

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

WHILE STOCK LASTS

CE 0085

TECHNICAL AND FUNCTIONAL CHARACTERISTICS



- Single stage operation (on/off).
- Air-gas mixing at blast-pipe.
- Ability to obtain optimal combustion values by regulating combustion air and blast-pipe.
- Maintenance facilitated by the fact that the mixing 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 7-pole connector, one flange and one insulating seal for boiler fastening.
- On request: longer blast tube, device for air gate closure during pause to avoid loss of heat up flue.

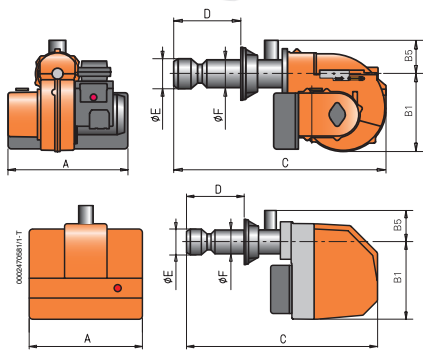
CONSTRUCTION CHARACTERISTICS

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.
- Device made from sound-absorbing material to reduce fan noise.
- Air pressure switch to ensure the presence of combustion air.
- Automatic control and command equipment for the burner, compliant with European standard EN298.
- Flame detection by ionisation electrode.
- Start/stop switch (except the W version).
- 7-pole outlet for burner electrical and thermostat connections.
- Electrical protection rating IP40.
- Sound-proof plastic protective cover (except the W version).

To be ordered separately:

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



Model	A mm	B 1 mm	B 5 mm	C mm	D mm	E mm	F mm
SPARKGAS 30 W	475	263	102	835	170 ÷ 300	135	135
SPARKGAS 30	490	275	102	860	170 ÷ 300	135	135

Thermal output kW	Model	Part no.	Electrical supply	Motor kW	Size of packaging L x P x H mm	Weight kg	Notes
Frequency 50 Hz							
60 ÷ 300	SPARKGAS 30 W	15680010	1N AC 50Hz 230V	0,37	1010 x 490 x 400	32	3)
60 ÷ 300	SPARKGAS 30	15700010	1N AC 50Hz 230V	0,37	980 x 540 x 480	36	3)
Frequency 60 Hz							
60 ÷ 300	SPARKGAS 30 W	15685410	1N AC 60Hz 230V	0,37	1010 x 490 x 400	32	3)
60 ÷ 300	SPARKGAS 30	15705410	1N AC 60Hz 230V	0,37	980 x 540 x 480	36	3)

Accessories available on request

Part no.

97980054 Soundproof burner cover (see page 247)

Optionals

Description

500 mm long combustion head
 Automatic Air Closure Device

Gas burner accessories

Boiler coupling kit – 7 pin plug

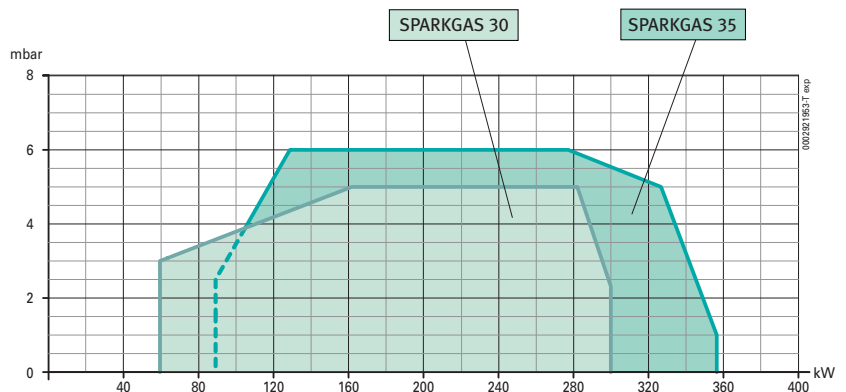
Notes

- 3) Soundproof lid on burner air intake.
 12) Valve tightness control not required by EN676.
 CTV) Gas train with Valve Tightness Control.
 *) Minimum gas train inlet pressure needed to obtain maximum burner power with a combustion chamber backpressure of zero.
 **) Maximum gas inlet pressure at pressure regulator in CE version, at gas train for EXP version.

Net calorific value at reference conditions of 0°C, 1013mbar:

Natural gas HI 35,8MJ/m³ = 8550 kcal/m³

LPG HI 92MJ/m³ = 22000 kcal/m³



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
SPARKGAS 30 W SPARKGAS 30	NATURAL GAS	CE	6A		360	19990005	Included	96000005	–	M2	
				CTV	360	19990005	Included	96000005	98000100	M2	12)
			6B		360	19990008	Included	–	–	M2	
				CTV	360	19990008	Included	–	98000100	M2	12)
			6C		360	19990166	Included	–	–	M2	
				CTV	360	19990166	Included	–	98000100	M2	12)
		EXP	6A		360	19990005	Included	96000005	–	M2	
				CTV	360	19990005	Included	96000005	98000100	M2	
			6B		360	19990008	Included	–	–	M2	
				CTV	360	19990008	Included	–	98000100	M2	
			6C		360	19990166	Included	–	–	M2	
				CTV	360	19990166	Included	–	98000100	M2	
6J		40	19990134	–	–	96000006	–	ME1			

Burner model	Gas type	Version	Execution	P.Min* 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
SPARKGAS 30 W	LPG	CE / EXP		30	19990005	Included	96000005	–	M2	
SPARKGAS 30			CTV	30	19990005	Included	96000005	98000100	M2	12)

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.

