

SERIES VDMR

General information

Direct fired burners, to be installed on the external part of the hot air generator (only the flame enters the generator). The burner is not influenced by variations in the process air flow thanks to it having its own combustion air fan.

Burner features

- Fuel: Natural Gas (G) or LPG (L); other types of gasses on request;
- Fuel pressure: 300 mbar (our standard), other possible pressure on request (ex. 20 mbar);
- Type of operation: modulating;
- Modulation: wide range of modulation (see table);
- Installation (specify when requesting): under positive or negative air pressure, with process air in horizontal or vertical flow;
- Ignition: direct with spark electrode and ignition transformer; version with pilot flame on request;
- Flame control: with ionization probe and flame control device;
- Standard: UNI EN ISO 13577-2;
- Electrical standard: personalized on request.

The flame length can be dimensioned to suit the plant application.
The flame length is about 1 m at burners maximum power.



Optional extras on request

Model	Thermal Power		Flow Natural Gas	Flow GPL	Valve train connection	Electrical Power of Fan	Modulating Range
	kW	kcal/h	Nm ³ /h	Nm ³ /h	DN**	kW*	
VDMR 11	90	77.400	9	3,5	15	0.08	1:15
VDMR 12	175	150.000	15	6,5	15	0.17	1:20
VDMR 13	350	300.000	35	13	25	0.37	1:20
VDMR 14	520	450.000	53	20	25	0.75	1:30

* depends on process conditions

** depends on gas pressure

Equipment Standard

Burner body in carbon steel powder coated blue • combustion air fan • combustion air pressure switch • manual fuel shut off valve with vibration compensator • gas pressure regulator and gas solenoid valves class A of international brands • modulating valve with servomotor • minimum and maximum gas pressure switches • ignition electrode • ionization probe • Flame control device, not continuous 24h/24h use • Electrical panel on board burner IP54

Optional: Flame control device for continuous operation 24h/24h, temperature controller, temperature sensor, ignition with pilot flame, UV flame sensor, IP > 54 on request.

Available certifications: EAC 



Contact our offices for further information or other requests.

