C/2024/2833

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Types of gas and the corresponding supply pressures according to Article 4(1) of Regulation (EU) 2016/426 of the European Parliament and of the Council on appliances burning gaseous fuels and repealing Directive 2009/142/EC

(This publication is based on information received by the Commission from the Member States)

(C/2024/2833)

ITALY

Gas Family	2nd Family				3rd Family			
Gas Group	Group H		Group M		Group B/P		Group P	
	Natural gas (including biomethane)		LPG/Air Mixture		LPG		Propane	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
Gross calorific value (GCV) [MJ/m³]	34,95	45,28	—	47,67	—	125,81	—	95,65
Wobbe index [MJ/m³]	47,31	53,00	—	42,29	—	87,33	—	76,84
Gas composition by volume in % of the total content:								
C1 to C5 content in % (sum)	—	—	—	50	—	—	—	—
N2 + CO2 content in %[a]	0	2,5	—	—	—	—	—	—
CO content in %	0	0,1	—	—	—	—	—	—
Unsaturated HC content in %	—	—	—	—	—	—	—	—
Hydrogen content in %	0	2,0	—	—	—	—	—	—
Information on toxic components contained in the gaseous fuel	—				< 0,1 % 1,3-butadiene		< 0,1 % 1,3-butadiene	

Supply pressure:

	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum
Supply pressure at the inlet of appliances [mbar]	17	20	25	17	20	25	20	28-30	35	25	37	45
Supply pressure at point of delivery [mbar](b)	15	20	28									
Admissible pressure loss in the end-user gas installation [mbar](c)	1,0	—	2,0									
The reference conditions for Wobbe index and gross calorific value are as follows:												
Combustion reference temperature [°C]	15°C											
Volume measurement reference temperature [°C]	15°C											
Volume measurement reference pressure [mbar]	1 013,25 mbar											

(a) Only CO_2.
(b) The minimum and maximum pressure values reported constitute the technically permissible thresholds (UNI 11323: 2016), for limited periods of time, taking into account any physiological pressure trends in gas distribution networks.
(c) Values provided in accordance with the English version of the text of Regulation (EU) 2016/426 on appliances burning gaseous fuels.