

# 1 GAS CONNECTION

**Table 1.1** Gas connection

Appliance	Gas connection
GAHP/GA	3/4" F
Gitié 2.0	3/4" M
AY 35/AY 50	3/4" M
AY 100	1" M
Link	1 1/2" F

The connection is located on the right side, at the bottom (see dimensional diagrams of individual appliances or Link in Section B).

For Link, the gas connection can be moved to the left side by moving the blind plug from the left to the right side.

- Install an anti-vibration connection between the appliance and the gas piping.


# 2 MANDATORY SHUT-OFF VALVE

- Provide a gas shut-off valve (manual) on the gas supply line, next to the appliance, in a visible and easy accessible position, to exclude it when required.
- Perform connection in compliance with applicable regulations.

# 3 GAS PIPES SIZING

The gas pipes must not cause excessive pressure drops and, consequently, insufficient gas pressure for the appliance.

# 4 SUPPLY GAS PRESSURE

 This appliance is equipped for a maximum gas supply pressure of 50 mbar.

 Non compliant gas pressure may damage the appliance and be hazardous.



Although it is normal for the inlet pressure to decrease during the operation of the appliance, it is important to check that there are no excessive fluctuations in the inlet pressure. In order to limit the extent of these variations, it is necessary to appropriately define the diameter of the gas inlet pipe to be adopted based on the length and

pressure drop of the pipe itself, from the gas meter to the appliance.



If fluctuations in the gas distribution pressure happen, it is advisable to insert a special pressure stabiliser upstream of the gas inlet to the appliance. In case of LPG supply, all necessary precautions must be taken to avoid freezing of the combustible gas in case of very low external temperatures.

The appliance's gas supply pressure, both static and dynamic, must comply with the following Tables, with a tolerance of ± 15%.

## 4.1 GAHP/GA

**Table 4.1** Network gas pressure

Product category	Country of destination	Gas supply pressure [mbar]								
		G20	G25	G25.1 (1) (2)	G25.3 (1) (2)	G2.350 (2)	G27 (2)	G30	G31	
I <sub>2</sub> H3B/P	AL, AT, BG, CH, CY, CZ, DK, EE, FI, GR, HR, IT, LT, LV, MK, NO, RO, SE, SI, SK, TR	20						30	30	
	AT, CH	20						50	50	
I <sub>2</sub> H3P	BG, CH, CZ, ES, GB, GR, HR, IE, IT, LT, LV, MK, PT, SI, SK, TR	20							37	
	RO	20							30	
	AT	20							50	
I <sub>2</sub> ELL3B/P	DE	20	20					50	50	
I <sub>2</sub> ESi3P	FR	20	25						37	
		20	25						37	
I <sub>2</sub> H53B/P	HU	25		25				30	30	
I <sub>2</sub> E3P	LU	20							50	
I <sub>2</sub> L3B/P	NL		25						30	30
		20			25				30	30
I <sub>2</sub> E3B/P		20							37	37
I <sub>2</sub> ELwLs3B/P	PL	20				13	20	37	37	
		20				13	20		37	

1 GAHP-AR not approved for G25.1, G25.3 gases.  
 2 GA ACF not approved for G25.1, G25.3, G2.350, G27 gases.

Product category	Country of destination	Gas supply pressure [mbar]							
		G20	G25	G25.1 (1) (2)	G25.3 (1) (2)	G2.350 (2)	G27 (2)	G30	G31
I <sub>2</sub> EK	NL	20			25				
I <sub>2</sub> E(R)	BE	20	25						
I <sub>2</sub> E(S)		20	25						
I <sub>3</sub> P	BE								37
	IS								30
I <sub>2</sub> H	LV	20							
I <sub>3</sub> B/P	MT, CY							30	30
I <sub>3</sub> B								30	

- 1 GAHP-AR not approved for G25.1, G25.3 gases.
- 2 GA ACF not approved for G25.1, G25.3, G2.350, G27 gases.

## 4.2 AY

Table 4.2 Network gas pressure

Product category	Country of destination	Gas supply pressure [mbar]							
		G20	G25	G25.1 (1)	G25.3	G2.350 (1)	G27 (1)	G30	G31
II <sub>2</sub> H3B/P	AL, BG, CY, CZ, DK, EE, FI, GR, HR, IT, LT, MK, NO, RO, SE, SI, SK, TR	20						30	
	AT, CH	20						50	
	HU	25						30	
II <sub>2</sub> H3B/P	HU	25						30	
II <sub>2</sub> H53B/P				25					
II <sub>2</sub> H3P	AL, BE, BG, CH, CZ, ES, FR, GB, GR, HR, IE, IT, LT, NL, MK, PL, PT, SI, SK, TR	20							37
	AT, BE, CH, CZ, DE, ES, FR, GB, HU, NL, SK	20							50
	AT, CZ, DE, NL, RO	20							30
II <sub>2</sub> ELL3B/P	DE	20	20					50	
II <sub>2</sub> ESi3P	FR	20	25						37
II <sub>2</sub> E(R)3P	BE	20							37
II <sub>2</sub> E(S)3P		20							37
II <sub>2</sub> E3P	LU	20							50
II <sub>2</sub> E3B/P	DE, PL, RO	20						30	
II <sub>2</sub> ELwL3B/P	PL					13	20		
II <sub>2</sub> ELwL3P						13	20		
II <sub>2</sub> L3B/P	RO		20					30	
II <sub>2</sub> L3P	FR		25						37
	RO		20						37
II <sub>2</sub> EK3P	NL	20			25				30
II <sub>2</sub> EK3B/P		20			25				30
I <sub>2</sub> EK		20			25				
I <sub>2</sub> ELL	DE	20	20						
I <sub>2</sub> E(S)	BE	20							
I <sub>2</sub> E(R)		20							
I <sub>2</sub> ESi	FR	20	25						
I <sub>2</sub> H	AL, AT, BG, CH, CY, CZ, DK, EE, ES, FI, FR, GB, GR, HR, IE, IT, LT, LV, MK, NO, PT, RO, SE, SI, SK, TR	20							
	FR	20							
	HU	25							
I <sub>2</sub> L	FR		25						
	RO		20						
I <sub>2</sub> E	DE, PL, RO	20							
I <sub>3</sub> B/P	AL, AT, BG, BE, CY, CZ, DE, DK, EE, FI, FR, GB, GR, HR, HU, IT, LT, MT, NL, NO, RO, SE, SI, TR							30	
	PL							37	
	AT, CH, DE, SK, CY, CZ							50	
	FR							50	
I <sub>3</sub> P	AT, BE, CH, CZ, DE, ES, FR, GB, HU, IS, NL, SK								50
	AL, BE, BG, CH, CZ, ES, FR, GB, GR, HR, IE, IT, LT, NL, LV, MK, PL, PT, SI, SK, TR								37
	AT, CZ, DE, NL, RO								30

The appliance gas supply pressure, both static and dynamic, must comply with the values in the Table, with a tolerance of ± 15%.

- 1 Gas not available for Caldaia 35 Tech, Caldaia 35 Tech ACS, Caldaia 35, AY 35.

### 4.3 GITIÉ

Table 4.3 Network gas pressure

Product category	Country of destination	Gas supply pressure [mbar]							G30	G31
		G20	G25	G25.1 (1) (2) (3)	G25.3 (1) (2)	G2.350 (2) (3)	G27 (2) (3)			
II <sub>2H3B/P</sub>	AL, BG, CY, CZ, DK, EE, FI, GR, HR, IT, LT, MK, NO, RO, SE, SI, SK, TR	20							30	30
	AT, CH	20							50	50
II <sub>2H3P</sub>	BG, CH, CZ, ES, GB, GR, HR, IE, IT, LT, MK, PT, SI, SK, TR	20								37
	RO	20								30
	AT	20								50
II <sub>2ELL3B/P</sub>	DE	20	20						50	
II <sub>2Esi3P</sub>	FR	20	25							37
II <sub>2Er3P</sub>		20	25							37
II <sub>2HS3B/P</sub>	HU	25		25					30	30
II <sub>2E3P</sub>	LU	20								50
II <sub>2EK3B/P</sub>	NL	20			25				30	30
II <sub>2E3B/P</sub>	PL	20							37	37
II <sub>2ELWLS3B/P</sub>		20				13	20	37	37	
II <sub>2ELWLS3P</sub>		20					13	20	37	37
I <sub>2E(R)</sub>	BE	20								
I <sub>2E(S)</sub>		20								
I <sub>3P</sub>	BE									37
	IS									30
I <sub>2H</sub>	LV	20								
I <sub>3B/P</sub>	MT, CY								30	30
I <sub>3B</sub>									30	

- 1 ARAY not approved for G25.1, G25.3 gases.
- 2 ACAY not approved for G25.1, G25.3, G2.350, G27 gases.
- 3 Gas not available for AHAY35, ARAY35, ACAY35.

### 4.4 LINK

Table 4.4 Network gas pressure

Product category	Country of destination	Gas supply pressure [mbar]							G30	G31
		G20	G25	G25.1 (1) (2) (3)	G25.3 (1) (2)	G2.350 (2) (3)	G27 (2) (3)			
II <sub>2H3B/P</sub>	AL, BG, CY, CZ, DK, EE, FI, GR, HR, IT, LT, MK, NO, RO, SE, SI, SK, TR	20							30	30
	AT, CH	20							50	50
II <sub>2H3P</sub>	BG, CH, CZ, ES, GB, GR, HR, IE, IT, LT, MK, PT, SI, SK, TR	20								37
	RO	20								30
	AT	20								50
II <sub>2ELL3B/P</sub>	DE	20	20						50	
II <sub>2Esi3P</sub>	FR	20	25							37
II <sub>2Er3P</sub>		20	25							37
II <sub>2HS3B/P</sub>	HU	25		25					30	30
II <sub>2E3P</sub>	LU	20								50
II <sub>2EK3B/P</sub>	NL	20			25				30	30
II <sub>2E3B/P</sub>	PL	20							37	37
II <sub>2ELWLS3B/P</sub>		20				13	20	37	37	
II <sub>2ELWLS3P</sub>		20					13	20	37	37
I <sub>2E(R)</sub>	BE	20								
I <sub>2E(S)</sub>		20								
I <sub>3P</sub>	BE									37
	IS									30
I <sub>2H</sub>	LV	20								
I <sub>3B/P</sub>	MT, CY								30	30
I <sub>3B</sub>									30	

- The appliance gas supply pressure, both static and dynamic, must comply with the values in the Table, with a tolerance of ± 15%.
- 1 GAHP-AR not approved for G25.1, G25.3 gases.
  - 2 GA ACF not approved for G25.1, G25.3, G2.350, G27 gases.
  - 3 Gas not available for AY 35.

## 5 VERTICAL PIPES AND CONDENSATE

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- ▶ If needed, vertical gas pipes must be fitted with siphon and discharge of the condensate that may form inside the pipe.
- ▶ If needed, insulate the piping.

## 6 LPG PRESSURE REDUCERS

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With LPG the following must be installed:

- ▶ A first stage pressure reducer, close to the liquid gas tank.
- ▶ A second stage pressure reducer, close to the appliance.