

1 FUEL GAS SUPPLY

1.1 GAS CONNECTION

- ▶ 3/4" M (models R15, R20, R30, R40, R50 and models M50, M60)
- ▶ 3/4" F (models R60, R80, G range and K range)
- ▶ 1/2" M (models M20, M25, M30, M35, M36, M40) on the rear, to the left (see dimensional diagrams of the appliances).
- ▶ Install an anti-vibration connection between the appliance and the gas piping.

1.2 MANDATORY SHUT-OFF VALVE

- ▶ Provide a gas shut-off valve (manual) on the gas supply line, next to the appliance, to isolate it when required.
- ▶ Provide a three-piece pipe union.
- ▶ Perform connection in compliance with applicable regulations.

1.3 GAS PIPES SIZING

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

1.4 SUPPLY GAS PRESSURE



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

The appliance's gas supply pressure, both static and dynamic, must comply with Table 1.1 *p. 1*, with tolerance $\pm 15\%$.



Non compliant gas pressure (Table 1.1 *p. 1*) may damage the appliance and be hazardous.

Table 1.1 Network gas pressure

| Product category | Countries of destination | Gas supply pressure [mbar] | | | | | | | |
|--------------------------|--|----------------------------|-----|-------|-------|--------|-----|-----|-----|
| | | G20 | G25 | G25.1 | G25.3 | G2.350 | G27 | G30 | G31 |
| I ₂ H3B/P | AL, 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 ₂ H3P | AL, 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 ₂ ELL3B/P | DE | 20 | 20 | | | | | 50 | 50 |
| I ₂ Esi3P | FR | 20 | 25 | | | | | | 37 |
| | | I ₂ Ei3P | 20 | 25 | | | | | 37 |
| I ₂ H3B/P | HU | 25 | | | | | | 30 | 30 |
| I ₂ H53B/P | | 25 | | 25 | | | | 30 | 30 |
| I ₂ E3P | LU | 20 | | | | | | | 50 |
| I ₂ L3B/P | NL | | 25 | | | | | 30 | 30 |
| I ₂ L3P | | | 25 | | | | | 37 | |
| I ₂ EK3B/P | | 20 | | | 25 | | | 30 | 30 |
| I ₂ EK3P | | 20 | | | 25 | | | 30 | |
| I ₂ E3B/P | PL | 20 | | | | | | 37 | 37 |
| I ₂ E | | 20 | | | | | | | |
| I ₂ ELWLS3B/P | | 20 | | | | 13 | 20 | 37 | 37 |
| I ₂ ELWLS3P | | 20 | | | | 13 | 20 | 37 | |
| I ₂ E(R) | BE | 20 | 25 | | | | | | |
| I ₂ E(S) | | 20 | 25 | | | | | | |
| I ₃ P | IS | | | | | | | | 37 |
| I ₃ P | | | | | | | | | 30 |
| I ₂ H | LV | 20 | | | | | | | |
| I ₃ B/P | MT | | | | | | | 30 | 30 |
| I ₃ B | | | | | | | | 30 | |

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

1.5 VERTICAL PIPES AND CONDENSATE

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

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

1.6 LPG PRESSURE REDUCERS

With LPG the following must be installed: