

EXHAUST VALVES TEMPERATURE
CONTROLLED-FLUE GASES

anjos

inspirer le bien-être

THERMOGAZ

Ø 116 to 125 mm

Aluminium

Temperature-controlled

For 25 kw* gas-fired boilers

*23 kW for 20/75 valves



THERMOGAZ

- MEV flow rates: 20/75 - 30/90 - 45/105 - 45/120 - 45/135 m³/h
- Max. boiler capacity: 25 kW (except THERMOGAZ 20/75: 23 kW)
- Made of moulded aluminium
- Duty range of 80 to 140 Pa

Presentation

THERMOGAZ temperature-controlled exhaust valves are intended to connect gas-fired boilers to MEV systems. They ensure continuous self-regulated extraction, boiler-controlled flow rates, and feature an airflow boost activated by a pull chain.

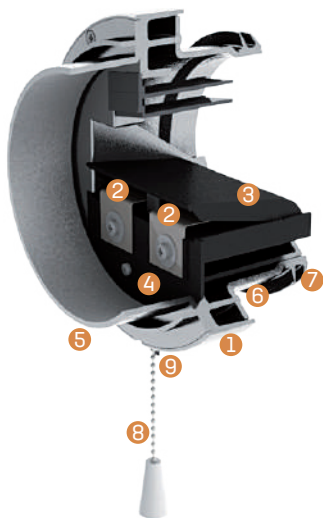


Operations

A damper driven by two bimetallic strips automatically opens the valves at boiler fire-up. When the boiler is turned off, the minimum rate is self-regulated by a balancing spring located behind the damper.

The maximum flow rate is controlled by a chrome-plated brass chain.

Components



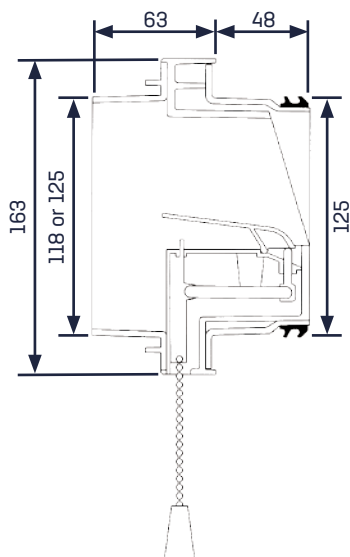
- ① Moulded aluminium body
 - ② Bimetallic strips
 - ③ Damper
 - ④ Slide
 - ⑤ Aluminium boiler collar
 - ⑥ Aluminium duct collar
 - ⑦ Gasket
 - ⑧ Pull chain
 - ⑨ Airflow boost indicator
- } made of high-quality, thermally stable polyphthalamide

Boiler connection, ID 125 mm duct : code CC 125

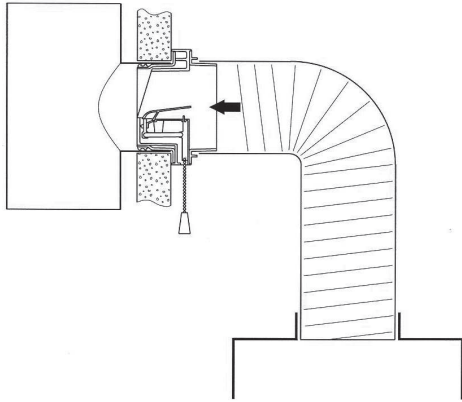
Boiler connection, ID 118 mm duct : code CC 118

Exhaust duct connection: dia. 125 or 116 mm

THERMOGAZ VMCI : kit consisting of one THERMOGAZ valve, one metal sleeve (dia. 125 × L 250 mm), and one cord guide for ceiling mounting in single-family houses.



Installation



Mounting on vertical walls:

Push-fit the dia. 125 mm (or 116 mm) exhaust duct inside the valve, with the pull chain pointing down. The lip gasket ensures a tight seal and fit.

Connect the valve to the boiler using aluminium ducting for flue gases (ID 118 mm or 125 mm).

Ceiling mounting (houses)

The THERMOGAZ VMCI kit (THERMOGAZ valve + metal sleeve (dia. 125 × L 250 mm) + cord guide **A**) may be used to mount the valves onto ceilings and connect boilers to flue-gas extraction fans in single-family houses.



Cord guide **A** :

Code 1791

Maintenance

Under French order dated 25 April 1985, owners of buildings (or managing agents in the case of block of flats) with MEV systems for flue gases are required to service said MEV systems and gas appliances once a year and to thoroughly inspect all said MEV systems once every five years at the end of the relevant contract periods.

To service the valve, remove the boiler connection duct, remove the boiler collar by unscrewing the three screws, then remove the slide supporting the bimetallic strips and damper.

Clean the slide and damper assembly without removing the mechanism or the air channel.

Place the slide and damper assembly back into the body of the valve, then refit the collar with the three screws.

Important

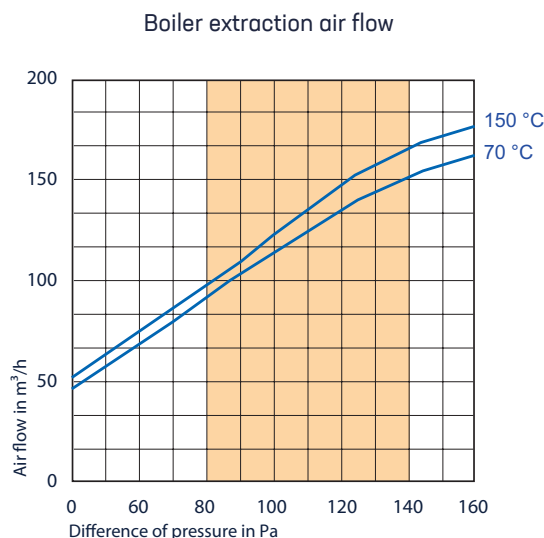
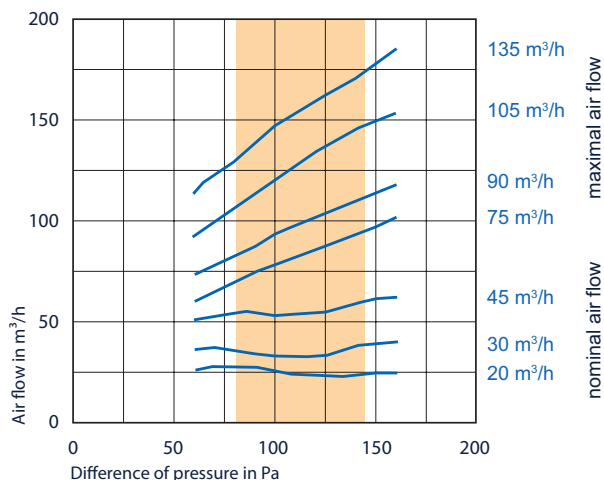
The concept of collective safety must supplement that of individual protection (i.e. built into boilers). This means that MEV valves used to connect gas appliances may on no account be considered as safety devices.

It is therefore the responsibility of designers, fitters, and inspection bodies to ensure that collective safety systems preventing boilers from operating in the event of exhaust valve malfunction are indeed installed on MEV systems for flue gases.

Characteristics

Airflow

Tests conducted without adjustment dampers or flow regulators.



Acoustic

	Lw in dB(A)			Dn,e,w (C) en dB
	80 Pa	100 Pa	130 Pa	
THERMOGAZ 20/75	31	35	38	58
THERMOGAZ 30/90	30	34	37	57
THERMOGAZ 45/105	33	36	39	56
THERMOGAZ 45/135	33	36	39	56

These valves are characterised by their sound power level (Lw) measured at continuous extraction and their standardised sound performance Dn,e,w (C) measured in accordance with NF E51-711 (Controlled mechanical ventilation (VMC) components - Extract air terminal devices for VMC-Gas - Characteristics and fitness for purpose).

Test reports

CSTB* No. 713-950-0068 and CETIAT** No. 95 80056

* Centre Scientifique et Technique du Bâtiment (Scientific and Technical Center for Building)

** Centre Technique des Industries Aéronautiques et Thermiques

Product codes

Boiler connection, ID 118 mm duct
Product code CC118

Description	Code
THERMOGAZ 20/75/100 m³/h, CC118	2701
THERMOGAZ 30/90/100 m³/h, CC118	2702
THERMOGAZ 45/105/100 m³/h, CC118	2703
THERMOGAZ 45/120/100 m³/h, CC118	2704
THERMOGAZ 45/135/100 m³/h, CC118	2705
THERMOGAZ Ø 116, CC118	27xx-116
THERMOGAZ VMCI, CC118	27xx VMCI
Qualigaz A5-approved compact expandable gas duct thk. 0.15 mm, ID 118 mm × OD 125 mm × L 1.50 m (extended)	2709

Accessories

Description	Code
Metal collar - dia. 125 mm × L 47 mm	1112
Cord guide for ceiling-mounted valves	1791

Boiler connection, ID 125 mm duct
Product code CC125

Description	Code
THERMOGAZ 20/75/100 m³/h, CC125	2710
THERMOGAZ 30/90/100 m³/h, CC125	2711
THERMOGAZ 45/105/100 m³/h, CC125	2712
THERMOGAZ 45/120/100 m³/h, CC125	2713
THERMOGAZ 45/135/100 m³/h, CC125	2714
THERMOGAZ Ø 116, CC125	27xx-116
THERMOGAZ VMCI, CC125	27xx VMCI