

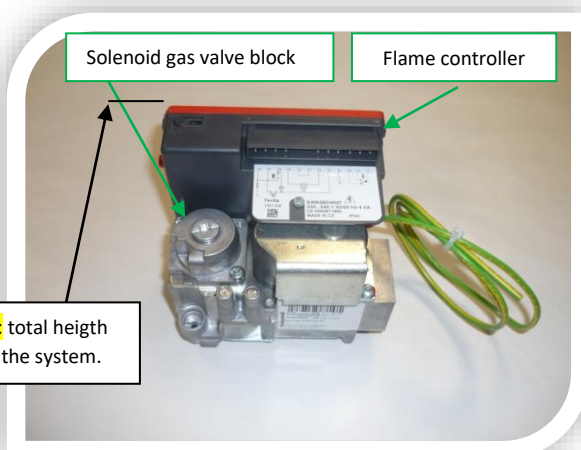
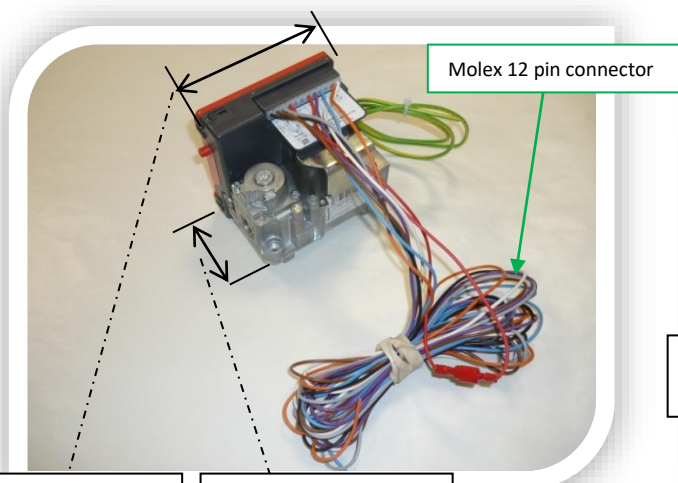


Date : 04/04/2016  
DOC : PS P-5-2-1

**Automatic flame controller system for single heat value at 45 kW max for gas atmospheric burners functioning at 60mbar max.**

Family:  
**Flame safety / automatic system**

Main applications:  
**Commercial using on all gas atmospheric burnerz in low pressure under 60mbar.**



**E**: block wide. The gas inlet and outlet are not centered.

**L**: dimension between gas inlet and gas outlet in 1/2".

**H**: total height of the system.

This automatic flame control system range allows to control automatically the flame ignition and surveillance on atmospheric gas burners **working in single heat value**, in natural gas or in butane or propane at the max gas pressure 60 mbar. The max heat value of the burner should be 45 kW on Hi. For town gas (1st gas family), to contact us.

The ignition is direct on the burner without pilot (spark technology). The flame surveillance is by ionization technology. The system is mainly composed: 1 solenoid gas valve block type VK with integrated pressure regulator, 1 clipping flame controller type S4565 and 1 Molex 12 pin wired connector. The components inside this system are conformed to the EC approval for European market. "BruleurAEM" is able to propose some system in compliance of the CSA standards.

<u>Main datas :</u>	<u>Main datas :</u>
<b>Solenoid gas valve block VK41</b>	<b>Boîtier de contrôle S4565</b>
Certified EC : 0063AO3090/6 et CSA 1032196	Certified EC : 0063BT1890
Max ambiance temperature: 60° C	Max ambiance temperature: 60° C
Gas inlet and outlet in F 1/2" bsp	Power supply : 230Vac 50Hz
Single heat value	12 pin Molex connecting

**Flame control system dimensions without the fittings or wirings :**  
L=100mm ; E=45mm ; H=65mm,

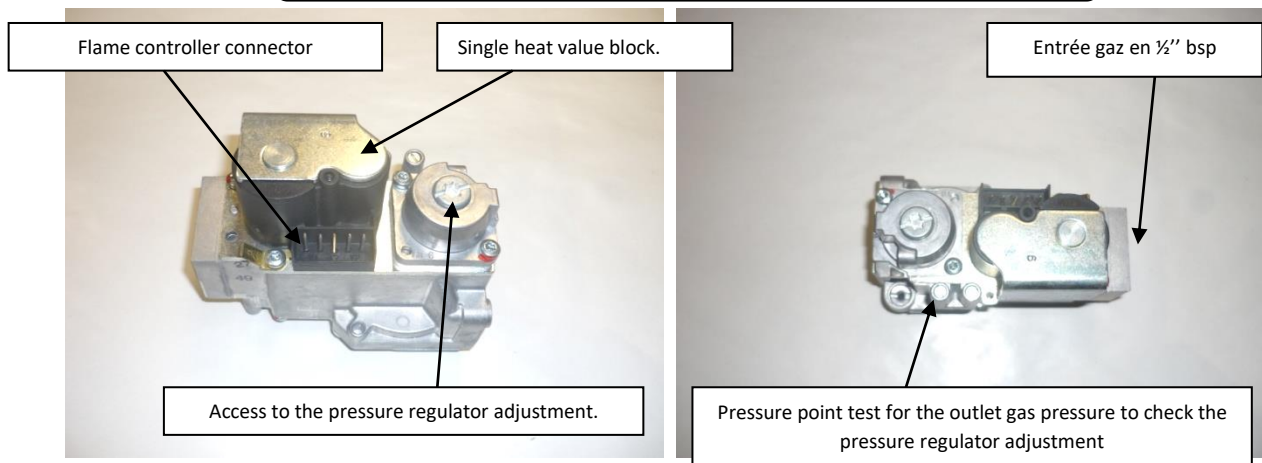
Designations	Item code
VK4105A gas valve block in 230Vac, with pressure regulator	15 000 036
Double probe flame controller with reinforced ignition, in 230Vac, S4565A, certified EC and CSA	15 000 044
Double probe flame controller with standard ignition, in 230Vac, S4565BD, certified CE	50 003 729
single probe flame controller with standard ignition, in 230Vac, S4565BD, certified EC and CSA	50 003 728



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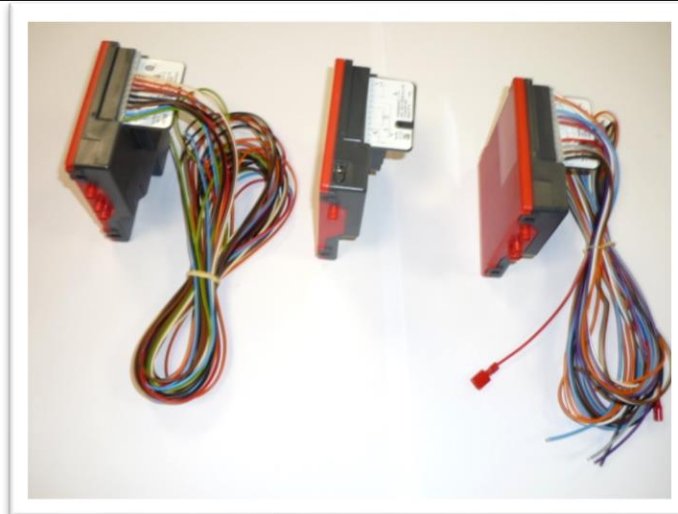
Solenoid gas valve block type VK41 alone.



Pressure regulator drop

Adjustment by torx screw between 5 to 50 mbar.

Flame controller type S4565 to clip on the VK41 block series



S4565A controller	S4565BD bi-electrode controller	S4565BD single electrode controller
230Vac single L+ground, noticed L/N	230Vac single L+ground	230Vac single L+ground
Spark voltage : 5 kV	Spark voltage : 5 kV	Spark voltage : 5 kV
HV wire length max: 1.5m	HV wire length max: 1.5m	HV wire length max: 1.5m
Distance between electrode extremity and burner: 4mm +/-1mm	Distance between electrode extremity and burner: 4mm +/-1mm	Distance between electrode extremity and burner: 4mm +/-1mm
Molex connector code : 15 000 118	Molex connector code : 50 003 727	Molex connector code : 50 003 727
Without flame lit on information	With flame lit on information	With flame lit on information
Safety time: 10s	Safety time: 5s	Safety time: 5s
Certifié CSA	/	Certifié CSA