

LAB / FOOD TECH / WORKSHOP



To comply with IGEM/UP/11 Edition 3, it is a requirement for any Gas Solenoid Valve installed into a teaching environment to incorporate pressure proving to ensure the closure of all downstream outlets prior to restoration of the gas supply.

A system must be fitted to each separate teaching area in which gas is being used, and a means to isolate the system must be installed next to the teachers desk and by any emergency exits.

ADDITIONAL INFORMATION REQUIRED

- What is the size of the Gas Solenoid Valve required?
- What are the sizes of any Water Solenoid Valves required?
- Do you require any Remote Stops to cover additional exits?

1 | Is there a requirement to Isolate Water and/or Electric?

YES ServiceGuard Service Isolation System



OPTIONS • SG-PT00 Page 4
• SGE-PT00 Page 4
• SGW-PT00 Page 4

NO GasGuard Gas Proving System



OPTIONS • GG-PT00 Page 3

2 | Is there any mechanical ventilation in the area?

YES System must be interlocked with the Ventilation



OPTIONS • FCMON Page 27
• AIRDPS Page 27
• CO2M Page 13
• CO2T-L Page 15

NO System must be interlocked with a CO2 Sensor



OPTIONS • CO2M Page 13
• CO2T-L Page 15

BOILER / PLANT ROOM



Boiler and Plant rooms are governed in general by IGEM/UP/2 Edition 3, with stricter requirements under IGEM/UP/11 Edition 3 for educational establishments.

Although Gas Detection is usually down to a risk assessment for commercial and industrial applications, the risks are outlined in IGEM/UP/11 and are mandatory for educational establishments.

ADDITIONAL INFORMATION REQUIRED

- What is the size of the Gas Solenoid Valve required?
- How many items of plant are installed (for Thermal Link and Gas Sensor quantities)?
- Do you require any Remote Stops to cover additional exits?

1 | Are all items of plant fitted with Flame Failure Devices?

YES BoilerGuard Panel or GasMonitor



OPTIONS • BG-PO Page 7
• GM-PO Page 8

NO BoilerGuard c/w Pressure Transmitter



OPTIONS • BG-PT00 Page 7

2 | Is the room connected to the main building?

YES Combustible Gas detection must be installed



OPTIONS • FGS-NG Page 23
• FGS-LPG Page 23

3 | Is the room accessible from the main building?

YES Carbon Monoxide detection must be installed



OPTIONS • FGS-CO Page 23

COMMERCIAL KITCHEN



Under BS6173:2009 and IGEM/UP/19 it is a requirement for the gas supply in a commercial kitchen to be interlocked with any mechanical ventilation, this includes any supply ventilation where it is required as part of the ventilation strategy.

With commercial kitchens (as with plant rooms), if all appliances are fitted with Flame Failure Devices (thermocouples) gas pressure proving is not required. However, due to the frequency of which ventilation interlocks are switched on and off and as appliances are regularly moved for cleaning, gas pressure proving is often installed to provide additional protection for leaks on the pipework as well as critical loss of gas pressure.

ADDITIONAL INFORMATION REQUIRED

- What is the size of the Gas Solenoid Valve required?
- How many fans are installed?
- Are the fans single or 3 phase?
- Do you require any Remote Stops to cover additional exits?

IF ALL APPLIANCES ARE FITTED WITH FLAME FAILURE DEVICES:

1 | How would you like to interlock the ventilation?

AIR DP SWITCHES VentGuard Plus



OPTIONS • VGP-PO Page 5
• + AIRDPS Page 27

FAN CURRENT MONITORING VentGuard Plus



OPTIONS • VGP-PO Page 5

2 | Is there a variable speed controller installed?

YES System must be interlocked with a CO2 Sensor



OPTIONS • CO2M Page 13

IF ALL APPLIANCES ARE NOT FITTED WITH FLAME FAILURE DEVICES:

1 | How would you like to interlock the ventilation?

AIR DP SWITCHES GasGuard



OPTIONS • GG-PT00 Page 3
• + AIRDPS Page 27

FAN CURRENT MONITORING GasGuard



OPTIONS • GG-PT00 Page 3
• + FCMON Page 27

2 | Is there a variable speed controller installed?

YES System must be interlocked with a CO2 Sensor



OPTIONS • CO2M Page 13
• CO2T-L Page 15

If you require a visit from one of our technical representatives then please get in touch...

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