

# When Do I Need A Gas Safety System?

## Lab / Food Tech Room / Workshop

Under IGEM/UP/11 Edition 2 it is a requirement that any gas solenoid valve installed into a teaching environment incorporates pressure proving.



### 1 Is there a requirement to isolate electric and / or water?

**YES** GasGuard II - Options Available;  
 • Gas, Water & Electric  
 • Gas & Water Only  
 • Gas & Electric Only



**NO** GasGuard I



### 2 Is there any mechanical ventilation in the area?

**YES** Must be interlocked (Air Differential Pressure Switch or Fan Current Monitor)



**NO** Must be interlocked with a CO2 Monitor (CO2M or CO2T)



## 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.



### 1 Are all appliances fitted with flame failure devices?

**YES** GasGuard Manual



**NO** GasGuard I



### 2 Ventilation system must be interlocked via

**i** Air Differential Pressure Switch or Fan Current Monitor



### 3 Is there a variable speed controller for the ventilation?

**YES** Must be interlocked with a CO2 Monitor (CO2M or CO2T)



## 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 2 for educational environments.



### 1 Are all appliances fitted with flame failure devices?

**YES** BoilerGuard Panel Only or Building Management System



**NO** BoilerGuard c/w Proving Assembly



### 2 Is the plant room connected to the main building?

**YES** Combustible gas detection to be installed (FGS-NG / FGS-LPG)



### 3 Is the plant room accessible from the main building?

**YES** Carbon Monoxide detection to be installed (FGS-CO)



The above are advisory

The use of additional Remote Emergency Stops, Thermal Links and Audible/Visual Alarms should also be considered