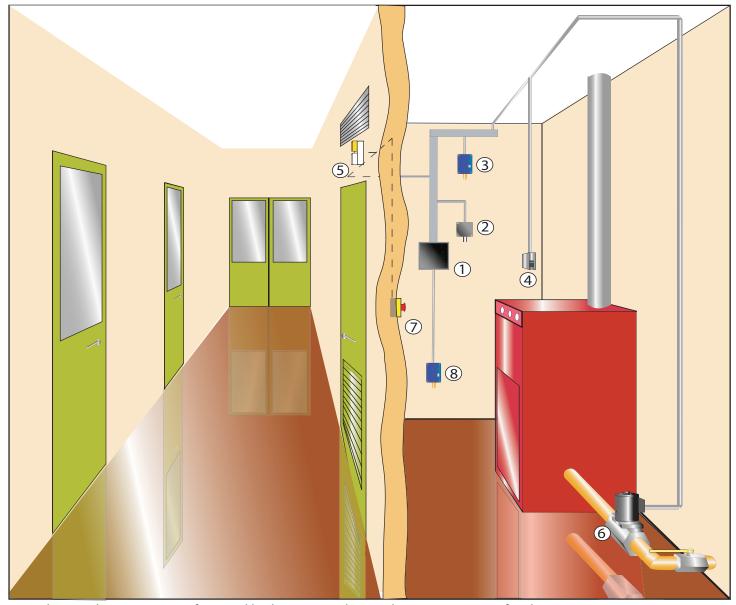
## **Duomo Gas Detection System**



Typical general arrangement of internal boiler room with complete Duomo gas safety kit

## **Principle of operation**

The GS300M will automatically turn off the electrical supply to the gas valve and sound the remote alarm should any of the following conditions arise.

- 1. Carbon monoxide level increases to 50ppm for 1 hour, 100ppm for 10 minutes or 300 ppm instantaneously (Time Weighted Average).
- 2. Natural gas level rises to 20 % L.E.L.

and/or

3. Boiler room temperature exceeds 72 degrees centigrade.

The system can only be reset and gas re-instated when the cause of the problem has been resolved.

## Key

- 1. GS300M Gas Detector (3 zone controller)
- 2. CO100Ar Sensor (Carbon Monoxide)
- 3. SGM595 Sensor (Methane)
- 4. DFL10 Electro-Thermal Fusible Link (72°C)
- 5. AF126 Audible Flashing Alarm
- 6. Solenoid operated isolation valve
- 7. KOB21 Emergency Stop push button
- 8. L.P.G. Sensor (if fitted)



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