

O<sub>2</sub> use in healthcare environments

O<sub>2</sub>

Enrichment  
is a potential  
fire hazard



Are you  
safe using  
Oxygen?



## Crowcon O<sub>2</sub> Enrichment Solutions

Crowcon Gasman portable O<sub>2</sub> monitors  
improve safety on or near ventilators.

Contact Crowcon now - Gasman O<sub>2</sub>  
is in stock and healthcare  
requirements are being prioritised.

Click [here](#) to send your requirement  
or request further information now.  
[www.crowcon.com](http://www.crowcon.com)



**Oxygen gives no warning.**  
An Oxygen enriched  
atmosphere cannot be  
detected by normal  
human senses.



**10%**

increase in probability  
of a spontaneous fire  
in an atmosphere with  
more than 25%  
Oxygen<sup>1</sup>



**50%**

of fires related to Oxygen  
systems are due to  
incorrect operation and  
maintenance of  
equipment<sup>2</sup>

**Oxygen  
is the only  
component of the  
air we breathe  
capable of  
supporting life**

**Materials that do not burn in air, including fire-resistant materials, can burn vigorously in Oxygen enriched air<sup>3</sup>**



O<sub>2</sub> usage is  
increasing in  
healthcare  
environments

O<sub>2</sub>

Oxygen enrichment  
drastically increases  
the risk of fire

**20.9%**

normal level of  
O<sub>2</sub> in clean air

**23.5%**

is considered  
Oxygen enriched  
atmosphere

**19.5%**

is considered an  
Oxygen deficient  
atmosphere

The density of  
ventilators could  
enrich the air,  
increasing the  
combustion risk<sup>4</sup>

**CROWCON**  
Detecting Gas **Saving Lives**

#### References:

1. <http://www.boga.co.uk/assets/publications/TR2.pdf>
2. [http://asiaiga.org/uploaded\\_docs/AIGA%20005\\_10%20Fire%20hazards%20of%20oxygen%20and%20oxygen%20enriched%20atmospheres.pdf](http://asiaiga.org/uploaded_docs/AIGA%20005_10%20Fire%20hazards%20of%20oxygen%20and%20oxygen%20enriched%20atmospheres.pdf)
3. <https://www.eiga.eu/index.php?eID=dumpFile&t=f&f=3504&token=6817829efcb2cb378a0122ad8f41c9a14432b1e3>
4. <https://www.england.nhs.uk/coronavirus>