Increased Demand on Medical Oxygen Supply Systems
MANAGING ICE BUILD UP

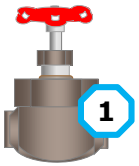
During extended periods of product withdrawal ice readily forms in layers on unlagged pipework and vaporiser fins.

Directing water from a hose, even from a cold water supply onto the ice will be enough to thaw it.

Steam is the preferred method if a supply is available to thaw and remove ice.

Take care not to introduce slip hazards from used water supply or trip hazards from hoses used to supply water for thawing ice.

DO NOT splash water onto relief device outlets and vent openings.



Valves are installed on vapouriser bank outlets to allow system to run on one bank with one bank isolated (rested).

This assists with management of ice (rested banks are able to thaw when the outlet is isolated).

In any case **ice build up must be managed to maintain performance.**

ICE BUILD UP MUST BE MANAGED.

DO NOT ATTEMPT TO REMOVE ICE BY HITTING THE VAPOURISER FINS OR PIPEWORK – USE WATER SUPPLY ONLY TO THAW/REMOVE ICE.

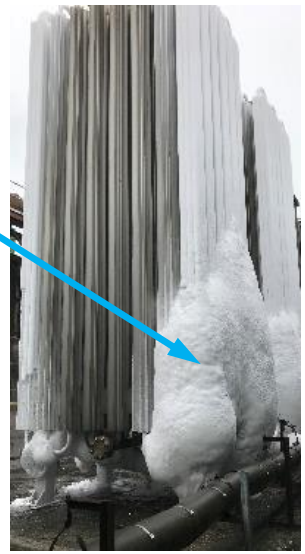
FOR ADDITIONAL TECHNICAL ADVICE CALL:

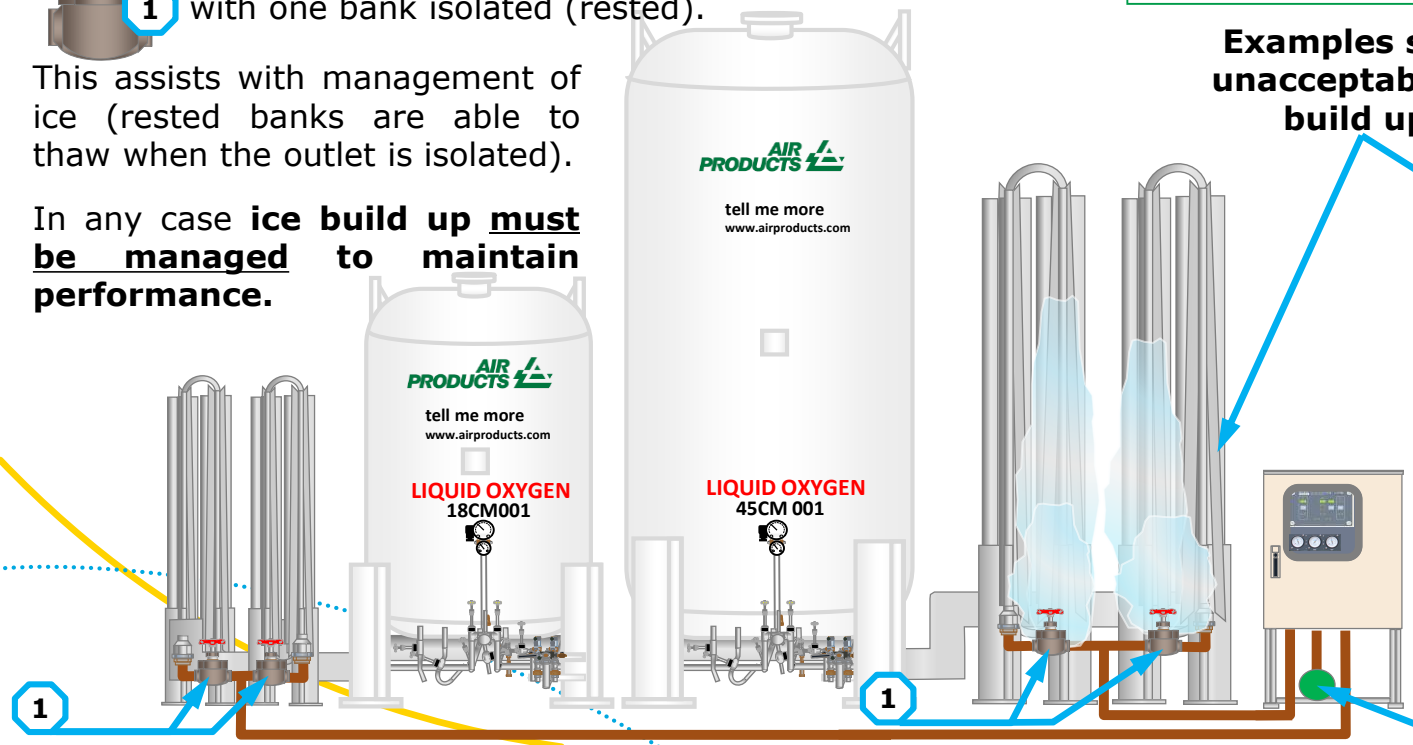
9am to 5pm 03457 080809

Outside the above hours:

0345 6071207

Examples show unacceptable ice build up.





AIR PRODUCTS

Increased Demand on Medical Oxygen Supply Systems
IMPROVING PERFORMANCE

During periods of additional and increased demand the pipeline pressure (middle gauge on the panel shown below) can drop under 'dynamic conditions'.

To maintain adequate hospital supply pressure (within ranges shown below left) pipeline pressure can be increased. This is done by adjusting both the regulators at the same time shown below in: (1)

*Pipeline pressure can be increased by turning the adjustment bonnet clockwise **slowly** and **slightly** on both regulators by the **same** amount. Turning the bonnet by 1/8 turn approx. will increase pipeline pressure (shown on the middle gauge on the panel) by approx. 0.5bar.

Both regulators should be adjusted by the same amount in fractional increments and changes to pipeline pressure can be monitored on the middle gauge of the panel as shown in: (2)

Normal Set Point: 4.1bar

Suggested Increase to: 4.7bar

Low Pressure Alarm Set Point: 3.6 / 3.8bar

High Pressure Alarm Set Point: 4.8 / 5.0bar

Relief Valve on system: 5.3bar

FOR ADDITIONAL TECHNICAL ADVICE CALL:

9am to 5pm 03457 080809

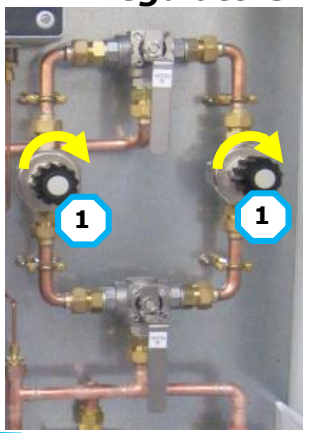
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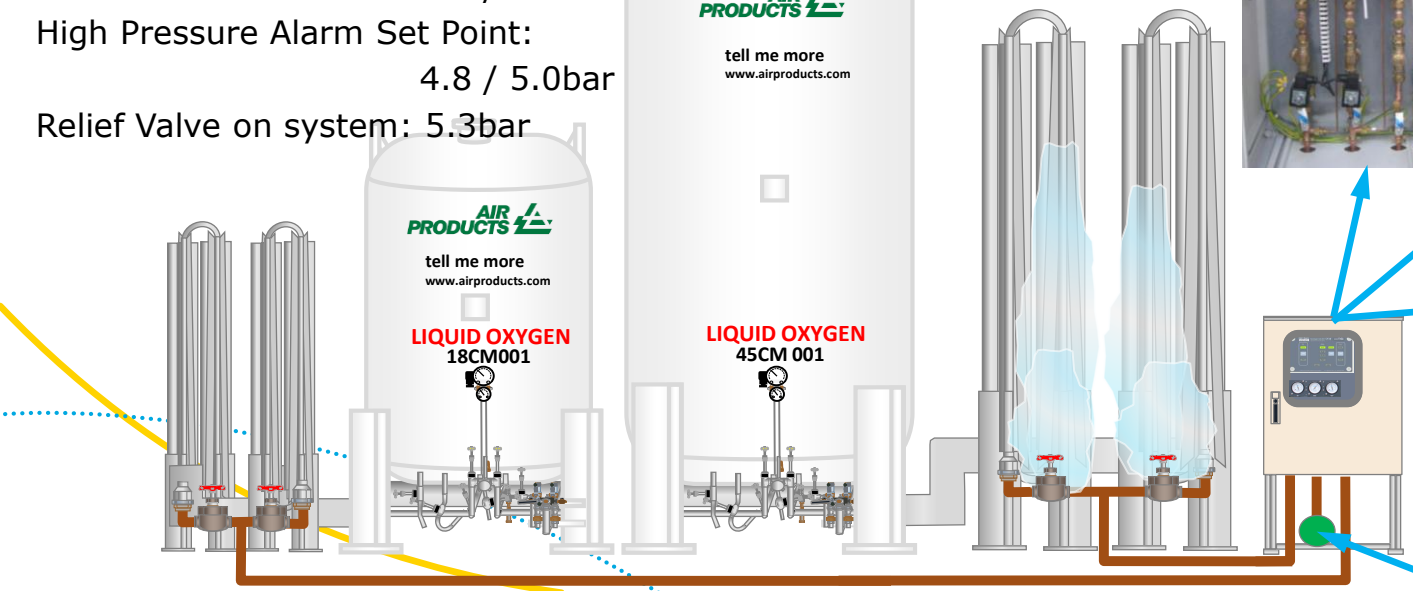
View inside panel



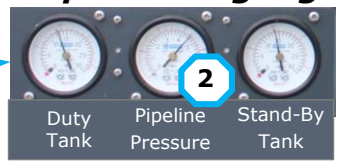
Twin regulators



**Regulator adjustment should only be carried out under permit to work by a suitably competent person.*



Panel pressure gauges



AIR PRODUCTS

Thank you
tell me more

AIR PRODUCTS