

## Subject

Using Compressed Air to Supply Breathing Apparatus

## System or Parts affected

- All VMAC compressor systems

## VMAC Compressors and Breathable Air



The air generated by most compressors **IS NOT BREATHABLE** without treatment from a device that meets or exceeds CGA Grade-D air filtration specifications (or other applicable standards or regulations).

While the Material Safety Data Sheet for VMAC compressor oil states that it is “Not expected to be harmful if inhaled”, compressed air generated by oil lubricated compressors **MUST BE** treated by an appropriate air treatment system before it can be considered “breathable” as per current CSA and OSHA standards.

Grade-D filtration systems are available from a variety of companies.

The air supplying a Grade-D air treatment system will generally need to be cooled via a VMAC Eliminator (or similar device) and/or an auxiliary air tank, however it is the responsibility of the end user to ensure that the air supplying their air treatment system meets any requirement for their treatment system.



The responsibility for the quality of breathing air rests solely with the user. Compliance with federal, provincial/state, or local regulations is the responsibility of the user and this recommendation does not supersede any existing rules, regulations, or laws which may apply.



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## Additional Information

The information contained in this document is based on current standards as set forth in:

- CSA Standard: Z180.1-00 Compressed Breathing Air and Systems
- OSHA Standard: 1910.134 Respiratory Protection

The Safety Data Sheet (SDS) for VMAC compressor oil can be found here:

[http://www.vmacair.com/wp-content/uploads/files/vmac\\_oil\\_sds\\_sheet.pdf](http://www.vmacair.com/wp-content/uploads/files/vmac_oil_sds_sheet.pdf)



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