



# rpc

SCIENCE & ENGINEERING

921 College Hill Rd. Fredericton, NB Canada E3B 6Z9  
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## Medical Gas Certifications

**R**PC has over 30 years of experience providing medical gas certifications in the Atlantic provinces for all new and renovated medical gas piping systems. RPC is Atlantic Canada's only accredited inspection body recognized by the Standards Council of Canada for the inspection of Nonflammable Medical Gas Piping Systems for compliance with CAN/CSA Z305.1-92, CSA Z7396.1-06, CSA Z7396.1-09, and CSA Z7396.1-12 standards.

Analyses of medical gases for purity to the requirements of the CSA standard are performed in our independent air quality services laboratory. Medical gas sample analysis can be completed same day rush, 24 hour rush or normal 3 to 5 day completion. The air quality services laboratory also provides semi-annual purity analysis on medical air from compressor systems and oxygen concentrator systems as required by the standard.

Our experienced staff can work with you by performing a pre-construction review of your mechanical plans for medical gas piping systems. With our assistance, mechanical drawings for new and renovated construction can be assured of compliance to the standard with all the necessary components before construction begins. A preliminary site visit to verify construction to drawings can also be arranged to ensure compliance to the standard before the pipeline system is closed in the walls eliminating costly repair. Certification by RPC includes an in-depth report that indicates the status of the system and its conformance or non-conformance to the requirements of the relevant CSA standard.

### Services

- Review of mechanical drawings for compliance to relevant standards
- Semi-annual purity testing of compressor based systems and oxygen concentrators
- Annual pipeline maintenance inspections
- Certification of new source units, new facilities and renovated pipeline systems
- Preliminary on-site inspections

### Facilities/Equipment

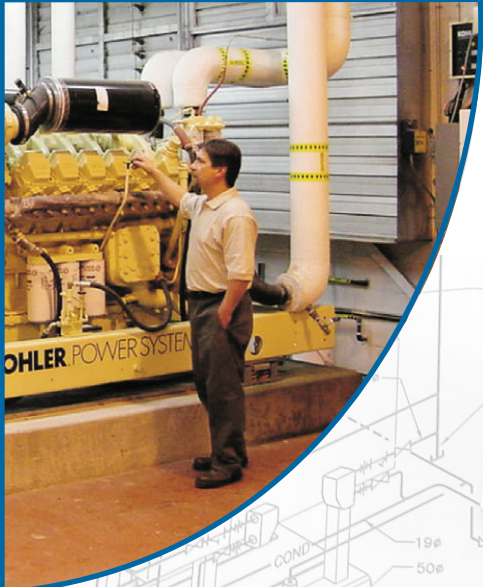
RPC's medical gas inspections team provides fast service by maintaining a mobile testing unit that allows for fast service. Equipment includes:

- Flow testing apparatus including precision digital gauges
- Viasensor G100 Carbon Dioxide Analyzer and G210 Medical Gas Analyzer
- MSA Permissible Type Model 246 RA Oxygen Level Meter
- NST G3000 Medical Gas Analyzer

### Contact

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*RPC's Quality Management System is registered to ISO 9001:2008.*



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## Annual Maintenance Inspections

**R**PC provides annual maintenance packages as part of the requirements of Part IV of the CSA Standard. If your facility is having trouble keeping up with yearly required maintenance surveys to your medical gas systems, let RPC put together a maintenance package suited to your schedule and budget. This service is available in the Atlantic Provinces and can be provided for the entire facility or in sections depending on the size.

The annual maintenance inspection is followed by an in-depth report which indicates where any problems with the system were found. It also provides all the flow data from all terminal units to allow for a yearly charting of declines in the flow performance.

### Services

- Inspection of source units
- Master alarm panel inspection
- Mechanical performance of terminal units
- Flow performance of terminal units
- Cross connection inspection
- Local area alarm inspections
- Zone valve inspections
- Medical air purity analysis

### Contact

For further information regarding our services please contact:

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*RPC's Quality Management System is registered to ISO 9001:2000.*

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The Technical Solutions Centre

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