Section 8: Maintenance of the System

The maintenance recommended for the system consists of the following items, supplemented by any additional local requirements imposed by the local Code of Practice. Expo recommends that the commissioning tests be repeated at least every six to 24 months dependant on site conditions.
In addition, the following checks are also recommended at that time:

- Check the RLV and all Spark Arrestors. Remove all debris & corrosion or replace with a spare.
- Check the condition of the air supply filter element. Clean or replace it, as necessary.

At least every two years check the following additional items:

- Apparatus is suitable for the Hazardous Location
- There are no unauthorised modifications
- The air supply must be to the correct quality, refer to section Air Quality
- The interlocks and alarms function correctly
- Approval labels are legible and undamaged
- Adequate spares are carried
- The action on pressure failure is correct

The Intrinsically Safe Battery Pack should be changed at least every three years, and the commissioning tests repeated. After the timing phase has elapsed, the battery may be 'hot-swapped' in a hazardous environment without effecting the operation of the MiniPurge Ex px system.

Recommended spares
ETM-IS31-001 Intrinsically Safe Battery Pack

Pressure Sensor calibration
If it is decided that the minimum pressure /purge flow sensor needs recalibrating it must be returned to Expo for this service.

Filter cleaning
If the filter element needs cleaning the filter bowl can be unscrewed and removed. The filter element also unscrews and can then be cleaned in soapy water or replaced. Do not use solvents on any part of the filter assembly.

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