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1 Purpose

The purpose of this specification is to describe the requirements for ammonia cylinder hoses used at Water Corporation sites to connect ammonia cylinders to wall mounted vacuum regulators.

2 Scope

This specification applies to all Water Corporation ammonia gas facilities. The requirements listed below are mandatory for ammonia hoses.

3 Definitions

N/A

4 References

WC Mechanical Maintenance – M00181 – Hose Flexible Ammonia Gas Replacement
<https://nexus.watercorporation.com.au/otcs/cs.exe/app/nodes/105961510>

5 Specification

The AMMONIA HOSE is a PTFE hose that has a stainless steel (304) braiding. The hose has the following features;

- Stainless steel (316) end fittings which are compatible with ammonia gas
- Nut sizes are: 21mm for the vacuum regulator hose connection and 28mm for the cylinder hose connection
- Connections required are 1/2" (8mm), male NPT which connects to the vacuum regulator and a Type 32 connection that suits connection to the ammonia cylinder
- Length of 800mm
- Replaced 5 yearly or if a visual inspection (yearly) suggests that replacement is warranted.
- Maximum working pressure shall be at least 2400kPa in accordance with AS2022:2003 (s2.11.1)

6 Additional Information

- Gascon Pty Ltd can supply ammonia hoses and their designation is: G2081-T32-8MSS.

Document Revision History	
Apr 2022	New standard