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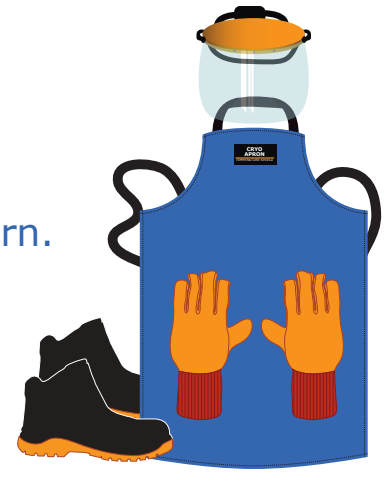
Nationally Accredited
safety training for users of
compressed & cryogenic gases

Know Your Decanting Procedure

Decanting Procedure from a Portable Pressurised Vessel to a Dewar up to 0.5bar

✗ At no time must the vessel and dewar be left unattended during the filling procedure.

✓ Ensure full PPE is worn.

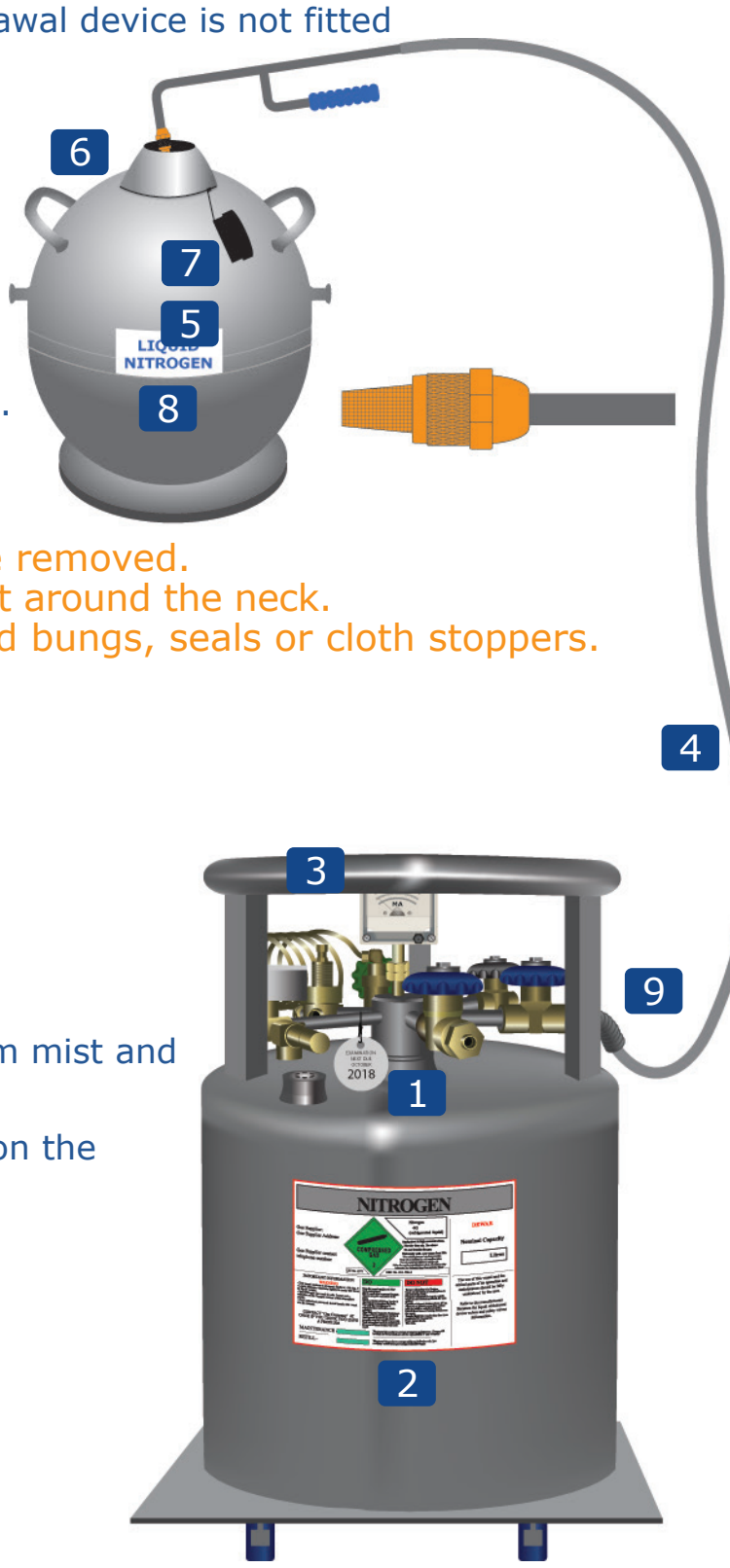


Supply Vessel Checks:

- Regular in-service examination received and within test 1
- Appropriate location; stable & secure
- Check for damage & inappropriate ice formation
- Correctly labelled for gas type (Nitrogen service) 2
- Check liquid level is sufficient 3
- Transfer hose & filling equipment clean & free from damage 4
- Fit phase separator where necessary 5
- Defective vessels & hose should be removed from

Receiving Vessel (Dewar) Checks:

- In good condition
- No neck damage 6
- Insulating dust/moisture cap present/in place 7
- Labelled for gas usage service 8
- A liquid withdrawal device is not fitted



Pre-fill checks.

- Liquid level sufficient.
- Reading on pressure gauge noted. 1 to 1.5 bar is ideal.
- If required vent down gas pressure in a safe area.
- If required open pressure build circuit to achievedesired transfer pressure.

✗ Do not fill if:
- The dust/moisture cap has fallen into the dewar, it must be removed.
- The dewar contains ice/water or excessive frosting is present around the neck.
- The dust or moisture cap is missing, do not use unapproved bungs, seals or cloth stoppers.

Filling procedure:

- Place the end of the transfer hose into the open neck of the dewar
- Open the fill valve slightly and purge air from the hose 9
- Just before liquid appears feed the transport hose further into the Dewar
- Feed the transfer hose further into the dewar
- Control the decant allowing sufficient time for the dewar to cool
- Continue the decant by gradually opening the fill valve to ensure minimum mist and vapour production
- Avoid mist and vapour clouds were possible (You cannot see most gases on the residual moisture vapour)
- When the dewar is full, close fill valve on the vessel
- Slowly remove the transfer hose and store correctly on vessel
- Replace dust/moisture cap on the dewar
- Allow residual liquid and gas within the hose to vent off
- Return vessel to appropriate location

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