

PTW Safety Checklist No. 41

SWAGELOK TUBING INSTALLATION

Other Checklists that may be relevant:		17
Permit Number:		Date:
Rev 1.1	Issue Date: 21/11/2023	Authorised By: PSM

PRIOR TO PERMIT ISSUE:

- | | Y | N | N/A |
|---|--------------------------|---|-----|
| 1 No connections to be made to any live process or instrument airline. | <input type="checkbox"/> | | |
| 2 All screwed connection threads shall be NPT unless specifically required to adapt directly to a specialist device. | | | |
| 3 Any stainless-steel tubing used meets the Todd Energy 25T tubing specification of ASTM A269 / T316 Seamless Fully Annealed. | <input type="checkbox"/> | | |
| 1/4" tube - minimum wall thickness is 0.035" | | | |
| 3/8" tube - minimum wall thickness is 0.065" | | | |
| 1/2" tube - minimum wall thickness is 0.065" | | | |
| 3/4" tube - minimum wall thickness is 0.109" | | | |
| 4 List name (s) of competent person (s) working on Swagelok connections. | <input type="checkbox"/> | | |
| 1. _____ | | | |
| 2. _____ | | | |
| 3. _____ | | | |
| 5 Swagelok tube fitting safety seminar has been completed by ALL persons making up any instrument fittings or tubing and this is recorded in the Todd Energy CMS database. | <input type="checkbox"/> | | |
| 6 All installed tubing systems will meet the requirements of the Instrumentation Installation Engineering Standard .pdf – Section 11 | <input type="checkbox"/> | | |

INSTALLATION:

- | | | | |
|---|--------------------------|--|--|
| 7 All reconnections must be undertaken as per Swagelok reconnection procedure. | <input type="checkbox"/> | | |
| 8 All new Swagelok connections to be made up with a Swagelok go, no-go gauge. Then disconnected, separated, and inspected to ensure correct swaging, engagement and insertion depth has occurred whilst making up the connection. | <input type="checkbox"/> | | |
| 9 The tubing installation design should provide adequate support to protect against undue stress, sagging and vibration effects. | <input type="checkbox"/> | | |