

 Title: Procedure for fitting Trans-Sample coupling with/without non return or with flange fitting		Procedure No: TrS 0001
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Purpose

This procedure describes the installation of the Trans-Sample coupling to a 1" BSP fitting. It assumes any other reducers or flanges are already installed using industry best practice methods.

Health & Safety

General caution, health, safety and environmental protection.

This procedure does not purport to address all the safety problems associated with its use. It is the responsibility of the user of the standard to use appropriate health and safety practices and determine the applicability of regulatory limitations prior to use.

The mineral insulating oils which are the subject of this procedure should be handled with due regard to personal hygiene. Direct contact with the eyes may cause irritation. In the case of eye contact, irrigation with copious quantities of clean running water should be carried out and medical advice sought.

Procedure

1. Identify transformer valve type – i.e. flange or threaded valve.
2. Install necessary reducers / flanges to arrive at a 1" or ½" BSP female socket for coupling installation. Ensure thread to thread connections are sealed with quality thread tape or Loctite 566 or 567 thread seal.
3. Clean 1" BSP (or BSPT) threads to ensure free from oil and other contaminants. Use methylated spirits or other cleaner such as "Brake-Clean" to obtain desired result. Dry with rag and wait for remaining product to evaporate.
4. Apply quality thread tape or Loctite 566 or 567 thread seal coupling thread and ensure an even coverage is applied.

Apply sealant



Fig. 1. Coupling

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5. Using a 36mm spanner or tube socket, screw the coupling into the 1" or ½" socket. Ensure this is very tight – sometimes you will be required to also have a spanner on the transformer valve to ensure this valve does not move.
6. Wipe up excess Loctite with clean rag.
7. Prepare vacuum pump by first attaching battery then check oil levels in sight glass.
8. Connect vacuum tube to pump and to vacuum connector.

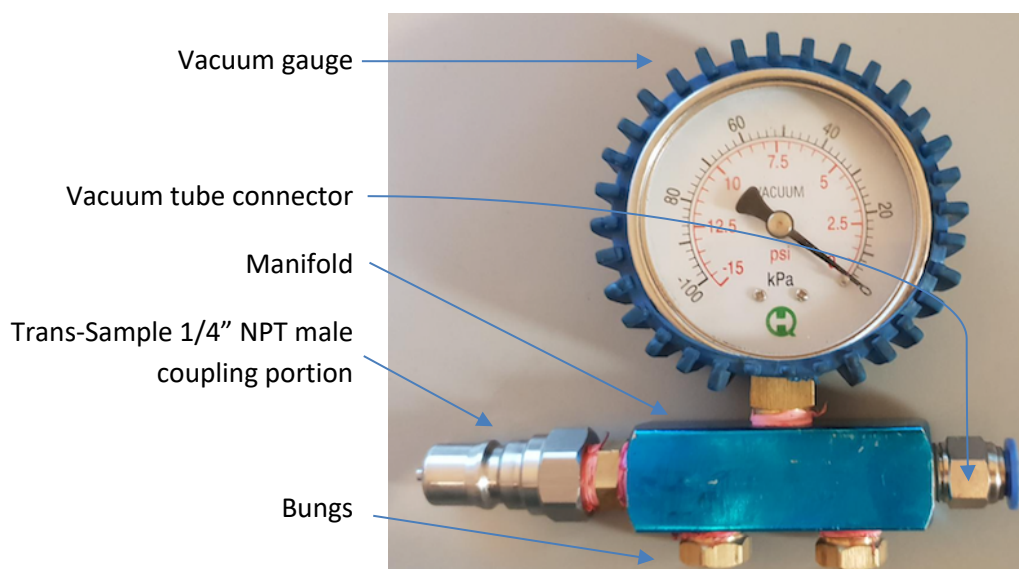


Fig. 2. Vacuum Connector

9. Connect the vacuum connector to the newly installed coupling.
10. Ensuring the transformer valve is closed, turn on vacuum pump. Caution, do not breathe vacuum pump exhaust and only use in well ventilated areas.
11. Watch vacuum gauge. Vacuum should drop to between -90 and -100kPa. This is the acceptable range. If this level of vacuum is not achieved, while vacuum pump is operating, tighten all flanges / fittings / adaptors and coupling. Keep watching vacuum level until correct result is obtained.
12. In one swift fluid motion, remove Vacuum Connector from coupling. Turn off vacuum pump.
13. Immediately open the transformer valve with the newly installed coupling. Oil will displace the vacuum you have just placed in the fittings / valve. Close valve, replace dust cap on coupling, check for and oil seepage.
14. Install the supplied warning label in valve/coupling proximity.