

NASSA TC LOGGER-USB

TEST MOTOR FITTINGS

The NASSA Test Motor Case has three pieces: the Case, the Aft Closure and the Forward Closure. The forward Closure has a hole having ¼”NPT threading. This is to receive Brass Fittings to attach the Pressure Transducer and to be used as a contact point to the Load Cell.



COUPLER

FEMALE TEE

PLUG

These Brass Fitting are standard ¼” NPT and consist of a Coupler, a Female Tee and a Plug. They can be found in any Hardware Store, Lowes, Home Depot etc. The three piece set up is best as we’ve found out. You can get away using only a Coupler and an Elbow but again, the three piece configuration works best.

Thread the Coupler into the Forward Closure. Thread the Plug to the long end of the TEE and then connect the other long end to the Coupler. The Tee will be at a 90° to accept the Pressure Hose to the Pressure Transducer. It is advised to wrap all threads with sealing tape but this is not necessary – still its good practice.

Do not over tighten the fittings. They are Brass and will strip under over tightening, just make sure they are snug. Once fitted they virtually need no more service. Each Test Motor Case should have its own Fittings. You never need to remove them from the Forward Closure but you may want to check from time to time that they haven’t loosened – they don’t.