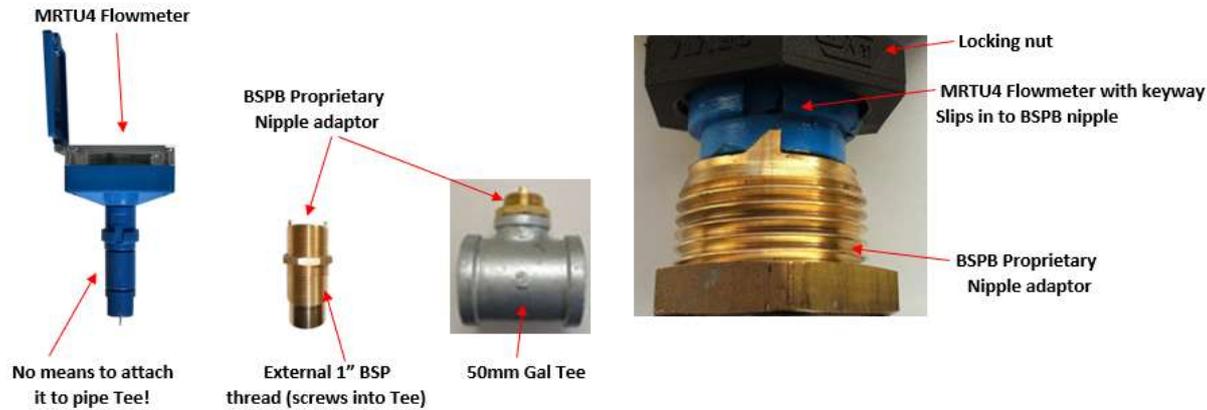


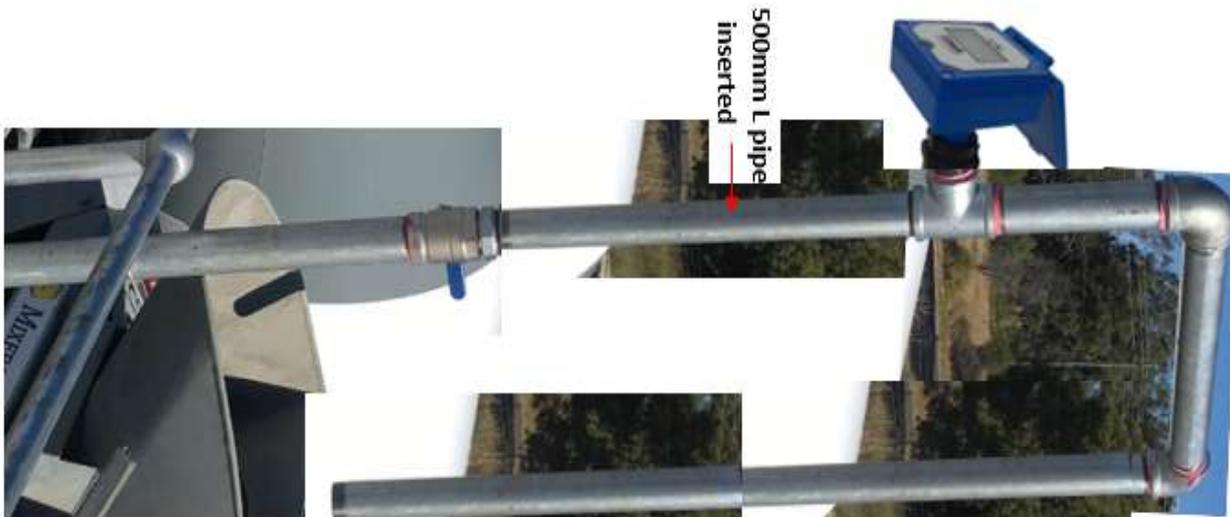
# **MRT proprietary ManuFlo pipe fitting – FACTS example**

**1. Below highlighted?** If we just send the MRTU4 flowmeter there is no means of connecting it into the pipe Tee? I strongly suggest you order the complete Tee/flowmeter assembly all calibrated ready to go or you will be back on the phone asking – **how do I fit ? how do I calibrate ?**



1) The MRT meters requires a proprietary brass nipple Part **BSPB** that screws in to the Tee it has to be screwed in to a specific position to ensure that when the flowmeter is installed to the nipple it is sitting at the correct insertion position in the pipe to measure flow. We carry out this installation at Manuflo we then put the assembled meter, Tee and nipple on to our calibration rig and flow test it to adjust the 'K'-factor to the accuracy required and issue a test certificate. If you just purchase the flowmeter without Tee you will not get this tested assurance of accuracy in fact you will need to derive your own K factor after it's installed or it could be well out! SO you pay for entire assembly (MRTU4 flowmeter with BSP nipple mounted in GAL50 Tee by ManuFlo and tested etc.) and peace of mind.

2) Your intended position for the flowmeter is sitting right on the manual valve which is no good as when valve is throttled back there will be a huge disturbance in the pipe and measurement accuracy badly effected. As per below pic we recommend a straight 500mm piece of 50mm diam Gal pipe before the flowmeter to smooth out this flow disturbance and it should also have 250mm length after the meter before going in to the 45 degree bend. This may require a re-work of the pipe work or if you can live with the flowmeter being higher you could just add this straight piece after the valve (before the flowmeter) as per mock up photo below.  
(RULE OF THUMB; Straight pipe 10x dia. Inlet, 5x dia. Outlet).



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**ManuFlo** <sup>®</sup> <sup>™</sup>

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