



### Specialties for Copper and Steel/PVC pipe

- Hot Tapping Saddles/Sleeves
- Line Stopping Saddles/Sleeves
- Pipe Freezing Kits
- Pipe Repair Clamps
- Deep Hole Saws

# THERMSETTER™ 5075



## LIVE THERMOWELL INSTALLATION and PROCEDURES MANUAL



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## ThermSetter™ 5075 1/2" 3/4" Live Thermowell Installer

### LIVE THERMOWELL INSTALLATION PROCEDURE MANUAL PAGE 1 of 2

1. Weld-on (Call for Bolt-on style POA) the fitting on 1/2" x 2.0" or 3/4" x 2.0 TapMaster™ thermowell fitting to pipe or tank.
2. Make sure you have enough room to get the TM-1 Pro Hot Tap and ThermSetter™ 5075 equipment into the space you have available before welding or bolting on the fittings.
3. Thread on the 2.0" Ball Valve or Gate Valve using thread sealant or teflon tape.
4. Hook up your TM-1 Pro Hot Tap Machine.
5. First, verify the O.D. of the well prior to the tap. Use an 11/16" solid drill or cutter for a 1/2" thermowell and a 7/8" Solid drill or cutter for a 3/4" thermowell.
6. Test the TM-1 Pro Hot Tap machine at the packing gland seals, welded or bolted saddle and valve prior to performing the hot tap.
7. Perform the hot tap.
8. Remove the TM-1 Pro Hot Tap machine.
9. Connect a 2.0" Coupling and nipple to the end of your TM-1 Pro Hot Tap machine Sub Adapter or ThermSetter depending on what you are using to set and house the thermowell.
10. The length of the nipple(s) and valve is dependent on the length of the thermowell.
11. You can use several nipples and couplings to make the length and even use a valve as a coupling.
12. The bar you select should have the thermowell sticking in the nipple approximately 1-1/2" so it doesn't hit the ball in the valve when you screw the ThermSetter onto the valve.
13. The bar you select should have the thermowell sticking in the nipple approximately 1-1/2" so it doesn't hit the ball in the valve when you thread the ThermSetter onto the valve.



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## LIVE THERMOWELL INSTALLATION PROCEDURE MANUAL PAGE 2 of 2

14. Connect the Thermowell into the socket square and straight, then tightening the three set screws to secure the thermowell.
15. Push the bar with the Thermowell back up through the O-ring seal area and take a measurement of the exposed bar length with the bar all the way back. Apply Teflon tape and thread sealant to threads of well.
16. Mount your ThermSetter machine to the valve with the valve closed.
17. Take a measurement of the end of the Thermowell and the distance from the thread engagement on the valve.
18. Open the valve and push the Thermowell in until the threads on the thermowell touch the fitting.
19. Double check your measurements to insure the Thermowell is at the point of beginning to thread in.
20. Mark your bar 1.00" and start threading the Thermowell into place. Be sure to measure it goes to 1.00" to be totally threaded into the Thermowell fitting.
21. Tighten the Thermowell until it is tight.
22. Bleed off the pressure and drain off the residual water.
23. Pull off the ThermSetter and valve, making sure the bar doesn't turn with the valve.
24. Undo the three set screws and remove the Thermowell holder bar.
25. Take a crescent wrench and make sure the hex head on the Thermowell is tight.
26. Job Complete!

**To reorder TapMaster™ Carbon Steel Weld-on Fittings, Call TF: 1-877-747-3626**

TS-1/2x2-CS-NPT – 1/2" x 2.00" NPT Carbon Steel Live Install Thermowell Fittings

TS-3/4x2-CS-NPT – 3/4" x 2.00" NPT Carbon Steel Live Install Thermowell Fittings