



# **CORRinSITE™**

## **Models 7700 • 7800**



Model 7700

Model 7800

# **Owner's Manual**

[www.agfmfg.com](http://www.agfmfg.com)

## INSTALLATION LOCATIONS

AGF recommends installing the CORRinSITE Corrosion Monitor in areas of the wet or dry fire sprinkler system that have historically demonstrated corrosion issues. Locations where the water is the most oxygenated, such as: upstream of fire pumps, immediately downstream of alarm valves, and near control valves where cavitation is prevalent. Other areas of consideration include the lowest and highest building levels and at the end of branch lines where pockets of air may become trapped.

**NOTE:** CORRinSITE Corrosion Monitors are recommended for both wet and dry systems, and can be installed horizontally or vertically depending on its location in the system.

## PLUG ORIENTATION

### Horizontal Installation on a Wet System:

For wet systems refer to Fig. 1 above the dashed line and position the CORRinSITE plug at the top of the pipe at a 45° angle between 1 and 3 or 9 and 11 o'clock.

### Horizontal Installation on a Dry System:

For dry systems refer to Fig. 1 below the dashed line and position the CORRinSITE plug at the bottom of the pipe at a 45° angle between 3 and 5 or 7 and 9 o'clock.

### Vertical Installations:

Any orientation on a vertical run of pipe in either a wet or dry system is considered acceptable. Refer to installation instructions and Fig. 2 for both the M7700 inline pipe and M7800 mechanical tee.

## INSTALLATION INSTRUCTIONS

### M7700 Inline Pipe:

The M7700 inline pipe has a 10" takeout with grooved pipe ends.

1. Cut out the required length of pipe from the section of the system where the M7700 is going to be installed.
2. Install the M7700 with appropriately sized couplings. Before tightening couplings orient the monitor's plug port to the desired position (Fig. 1). Then, tighten couplings to manufacturer's specifications.
3. Apply a proper sealant to the plug's threads and install it into the inline pipe's plug port (Fig. 2).

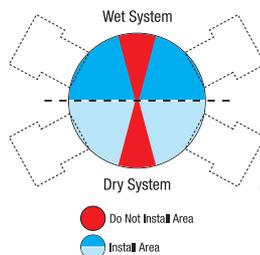


Fig. 1

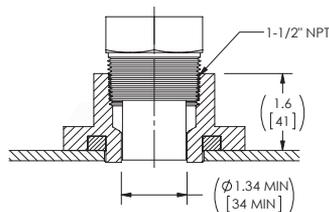


Fig. 2

### M7800 Mechanical Tee:

1. Cut the hole required for the M7800 into the section of the system where it is going to be installed. Refer to the table below to determine the proper sized hole for the mechanical tee.

Pipe Diameter	Hole Diameter
2"	1¾"
2½", 3", 4", and 6"	2"
8"	2½"

2. After cutting the hole, remove the burrs and clean the pipe surface within ¾" of the hole to make sure the gasket seats properly.
3. Lubricate the mechanical tee's gasket with standard lubricant.
4. Install the mechanical tee over the hole and hand tighten the bolts. Then, gently move the tee to assure proper placement over the hole.
5. Alternately tighten the bolts to the torque requirements shown below and check that the housing is firmly against the pipe with no gaps, and that no debris is between the tee and the pipe.

Pipe Diameter	Torque (ft x lb)
2"	30 to 50
2½", 3", and 4"	90 to 110
6"	100 to 130
8"	45 to 75

6. Apply a proper sealant to the plug's threads and install it into the mechanical tee's plug port (Fig. 2).

**WARNING:** AGF *REQUIRES* the use of our CORRinSITE 770 Plug with the Model 7700 and Model 7800. The CORRinSITE 770 Plug has been manufactured and tested to meet our specific requirements for wet and dry fire sprinkler systems. Variations in other manufacturer's fittings, weld-o-lets, and mechanical tees may result in interference, depth penetration problems, and an inability for the CORRinSITE 770 Plug to seal properly.

**To replace worn or damaged plug call or email AGF**



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