



AGF Manufacturing Inc.

CORRinSITE™

Model 7700 and 7800

Owner's Manual



Recommended Installation Locations

AGF recommends installing the CORRINSITE in areas of sprinkler systems which have historically demonstrated corrosion issues. Locations where the water is most oxygenated such as: upstream of fire pumps, immediately downstream of alarm valves, and near floor control valves where cavitation is prevalent should be considered. Other areas of consideration include the lowest and highest building levels, at the end of branch lines where pockets of air may become trapped, and sections previously impacted by corrosion related failure.

CORRINSITE is recommended for both wet and dry systems, and can be installed vertically or horizontally depending on its location in the system.

CORRINSITE Plug Orientation for 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 below for both the M7700 Inline Pipe and M7800 Mechanical Tee.

CORRINSITE Plug Orientation for Horizontal Installations

Wet System

AGF recommends positioning the plug at the top of the clock between 1 and 3 or 9 and 11, but not directly vertical at 12 (see Fig. 1).

Dry System

AGF recommends positioning the plug at the bottom of the clock between 3 and 5 or 7 and 9, but not directly vertical at 6 (see Fig. 1).

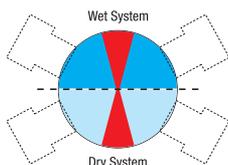


Fig. 1

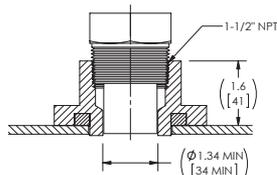


Fig. 2

M7700 Inline Pipe Installation

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

1. After choosing an installation location plumb the 10" pipe into the system using the appropriately sized groove couplings. Before tightening couplings, orient the monitor's plug to desired position (see Fig. 1).
2. After tightening couplings to manufacturer's specifications apply appropriate sealant to the plug's threads and install into the pipe's port (see Fig. 2). Orient the monitor's plug so that the text is easy to read.
3. Complete installation tag and attach it to the eyelet in the monitor's plug. Record inspection dates on the monitor's label as necessary.

M7800 Mechanical Tee Installation

1. After choosing an installation location and plug orientation (see Fig. 1) refer to the table below to determine the correct size for the hole. Then, cut the hole on the centerline of the pipe.

Main Pipe Diameter	Hole Diameter (+1/8"/-0")
2"	1 3/4"
2 1/2", 3", 4", and 6"	2"
8"	2 1/2"

2. After cutting the hole, remove burrs and clean pipe surface within 3/4" of hole to make certain it is free of dirt to allow seating of gasket.
3. Remove the bolts from the mechanical tee.
4. Lubricate the tee's gasket using standard gasket lubricant.
5. Insert tee over the hole, align it and hand-tighten the bolts.
6. Gently move the tee to assure proper placement over hole.
7. Alternately tighten the bolts to the torque requirements shown below.

Main Pipe Diameter	Torque (ft x lbf)
2"	30 to 50
2 1/2", 3", and 4"	90 to 110
6"	100 to 130
8"	45 to 75

8. Check that the housing is firmly against the pipe with no gaps and that no debris is between the tee and the pipe
9. Apply an appropriate sealant to the plug's threads and install into the tee's port (see Fig. 2). Orient the monitor's plug so that the text is easy to read.
10. Complete installation tag and attach it to the eyelet in the monitor's plug.

WARNING: AGF recommends using the CORRINSITE plug with our Model 7700 Inline Pipe or Model 7800 Mechanical Tee which have been manufactured and tested to meet our specifications. Variations in some manufacturer's fittings, weld-o-lets, and mechanical tees may result in interference, depth penetration problems, or inability for the CORRINSITE plug to seal. If using an alternative installation than recommended, please refer to Fig. 2.

Test and Drain Valves

TEST_{AN}DRAIN[®]

Auxiliary Drains

COLLECT_{AN}DRAIN[®]

Floor Control Valves

RISERPACK[™]

Corrosion Monitors

CORR_{IN}SITE[™]



AGF Manufacturing Inc.
100 Quaker Lane • Malvern, PA 19355

Phone: 610-240-4900
Fax: 610-240-4906

www.testandrain.com
