

# ***Corporation Stop Nozzle Assembly Instruction Sheet***

The corporation stop nozzle assembly is supplied in .75 inch and 1 inch both NPT (male) and AWWA (male) pipe sizes. They provide two distinct advantages over a simple tap connection into large main pipes:

1. The nozzle may be extended for injection near the center of a large main for more effective chemical dispersion.
2. The nozzle assembly may be withdrawn and the corporation stop closed without interrupting the use of the main.

## **Installation (water main)**

To insure proper operation, apply pipe thread sealant and tighten corporation fitting to 20 foot/pounds.

**⚠ CAUTION:** Corporation stop valve must be in the closed position with the nozzle assembly either removed or in the fully extended outward position with the safety cable attached. See Fig 1.

We recommend that a spring loaded injection valve be used. See Fig 2. If a spring loaded injection valve is not available, the assembly must be inserted into the bottom in a vertical position. Failure to do so can result in improper chemical feed or back flow into the feeding system.

## **Installation and Use of The Nozzle Assembly**

**⚠ DANGER:** Safety cable is provided to prevent the nozzle assembly (see Fig 1), from being completely withdrawn and to hold it against back pressure. Never cut or alter the length of the nozzle assembly. Failure to follow instructions will cause the safety cable to offer no protection against the nozzle assembly being withdrawn under back pressure or blow-out.

## **Instructions For Pack Joint Connection**

**⚠ CAUTION** Important notice: READ CAREFULLY

1. Clean and remove any dirt, foreign particles or debris. Make sure nozzle pipe surface is smooth.
2. Insert nozzle pipe through pack joint and into the socket of the fitting.
3. Tighten the clamp screw very securely, (30 in/lbs), using socket or box wrench to prevent nozzle slippage.
4. Tighten pack joint nut 1½ full turns after gasket starts to compress or a good hydraulic sear occurs.
5. Always pressure test for leaks.
6. Do not use this fitting with poly pipe or tubing.

## **PRECAUTIONS**

1. Brass fittings can be damaged by improper handling. Protect the threads. Avoid loose fitting wrenches. Do not drop.
2. If you are unfamiliar with pack joint connections, a little practice and testing in the shop before installation is suggested.
3. Always inspect and test all joints, valve and fittings for leaks.
4. Use extra care with pressurized systems. Components under pressure can cause serious injury and accidents.

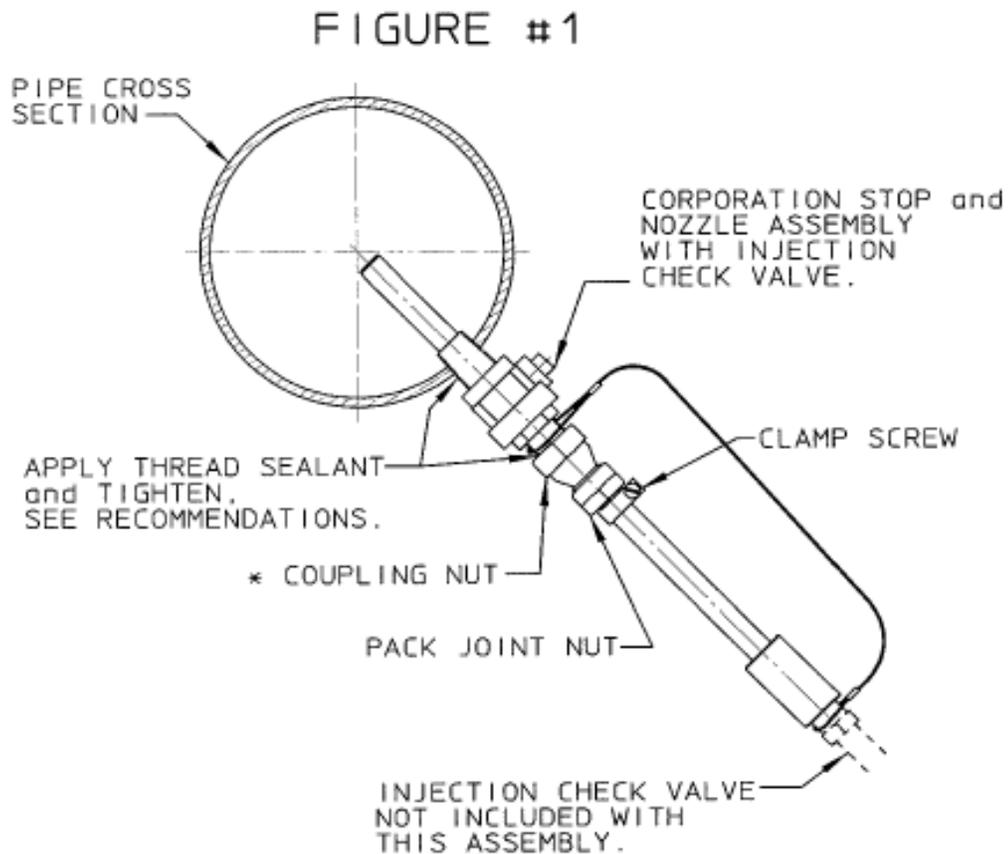
**⚠ WARNING:** Nozzle may suddenly jerk out pulling safety cable tight against the nozzle assembly. Keep hands away. Only use proper tools to loosen pack joint nut and clamp screw. Always wear protective clothing, gloves and full face shield that meets federal, state and local requirements.

## Removal

1. Loosen clamp screw slowly using a box wrench or socket. If the nozzle assembly has not moved out all the way (see Fig 1), then slowly loosen the pack joint nut using the proper tools only.
2. **CAUTION**: Do not remove the coupling nut (see Fig. 1).
3. Close the corporation stop valve and then remove the injection check valve.

## General Assembly

The corporation stop assembly is shipped pre-assembled. Should the coupling nut be disassembled, reassemble the coupling nut using pipe thread sealant or sealing tape and tighten to 20 ft/lbs. See "Instructions for Pack Joint Connection" to replace the nozzle assembly.



## Engineering Data

J61462, J61462-LF, J61462-C, J61462-C-LF

PSI:	150 PSI Maximum
Injection Pipe:	
Diameter:	.38 in (9.5 mm)
Length:	18 in.
Injection Valve Connection:	.5 NPT (female)
Connection to Main:	.75 AWWA (male)
J61462 & J61462-LF Material:	PVC
J61462-C & J61462-C-LF Material:	CPVC

J61135, J61135-LF, J61135-C, J61135-C-LF

PSI:	150 PSI Maximum
Injection Pipe:	
Diameter:	.38 in (9.5 mm)
Length:	7.5 in.
Injection Valve Connection:	.5 NPT (female)
Connection to Main:	.75 NPT (male)
J61135 & J61135-LF Material:	PVC
J61135-C & J61135-C-LF Material:	CPVC

## Engineering Data

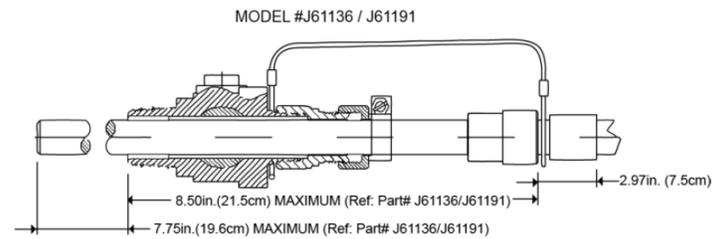
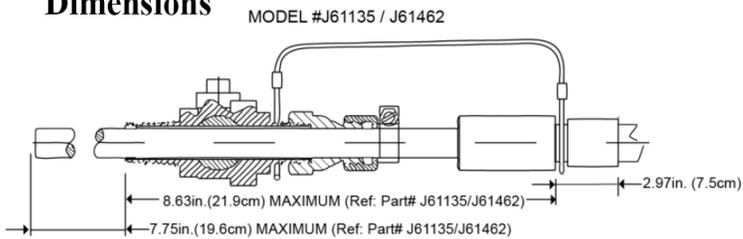
J61136, J61136-LF, J61136-C, J61136-C-LF

PSI:	150 PSI Maximum
Injection Pipe:	
Diameter:	.50 in (12.7 mm)
Length:	7.5 in.
Injection Valve Connection:	.5 NPT (female)
Connection to Main:	1.0 AWWA (male)
J61136 & J61136-LF Material:	PVC
J61136-C & J61136-C-LF Material:	CPVC

J61191, J61191-LF, J61191-C, J61191-C-LF

PSI:	150 PSI Maximum
Injection Pipe:	
Diameter:	.50 in (12.7 mm)
Length:	7.5 in.
Injection Valve Connection:	.5 NPT (female)
Connection to Main:	1.0 NPT (male)
J61191 & J61191-LF Material:	PVC
J61191-C & J61191-C-LF Material:	CPVC

## Dimensions



**Note 1: Back pressure injection valve (dashed line) not included.**