

## O&M / INSTALLATION INSTRUCTIONS FOR HOSES

***These instructions apply to all the following Engineering Appliances hoses: EA82 , EA83 , EA71 , EA73 .***

### ***Selection***

Before commencing to fit your hoses ensure you have the correct type of hose for the application. Check that the rating of the hose is not exceeded. Check pressure, temperature, and minimum required length. It is always advisable to construct a mock up to ensure that the hose is sufficiently long and the minimum bend radius is not exceeded.

Many different types of fittings are available. check that mating connections are suitable.

### ***Bypass Loops***

When used to connect fan coils the hoses may be utilised to construct a by pass during pressure testing and flushing. It is important that the minimum bend radius of the hose is not exceeded. A special nipple is available from EA which assists in connecting the two hoses to construct the loop.

### ***Installation***

Although EA hoses are designed to be as robust as possible , care must be taken when fitting. No torque or twisting is allowed. This applies in particular to the stainless steel hoses.

Over tightening the fittings can damage seals or compression olives causing leaks. Do not grip the hose or ferrule too tightly.

### ***Water treatment***

The EA hoses are of the highest quality. The EPDM rubber liner of the EA82 and EA83 is a proven material in use with heating and chilled water systems. It is resistant to glycol and most common water treatment chemicals. However excessive concentrations of chemicals either during cleaning or in service may affect the life of the hose .

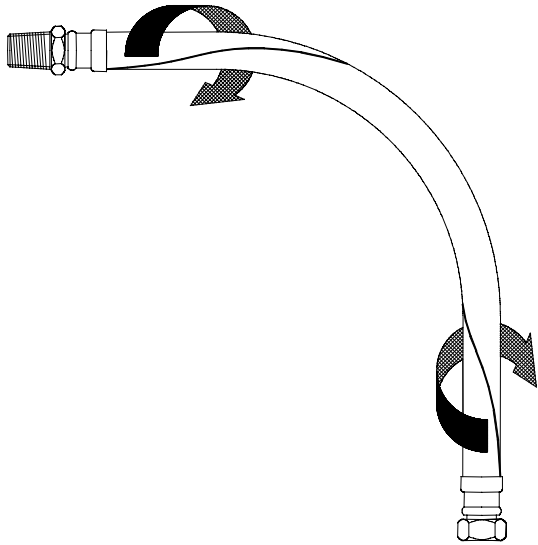
It is advisable to check compatibility with the water treatment chemical manufacturers before dosing.

The stainless steel hoses are resistant to all common water treatment chemicals except elevated chlorine levels. These should not exceed 200 PPM .



***THE STRESS RELIEVERS***

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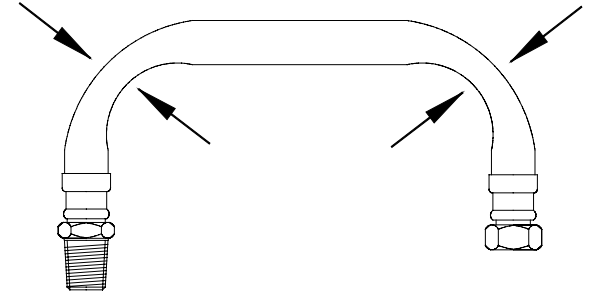


**DO NOT TWIST**

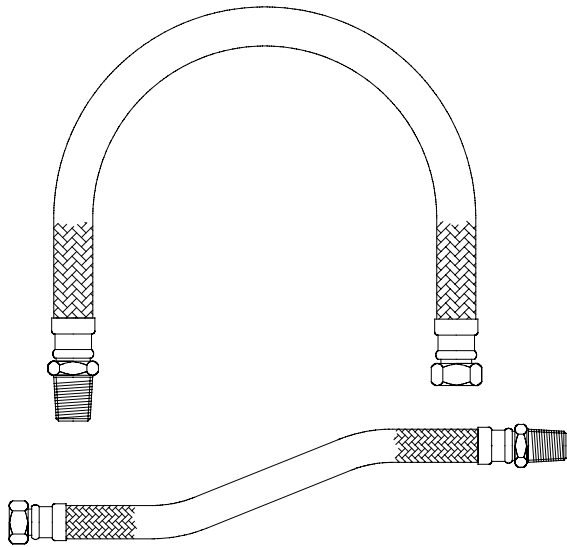


**DO NOT COMPRESS**

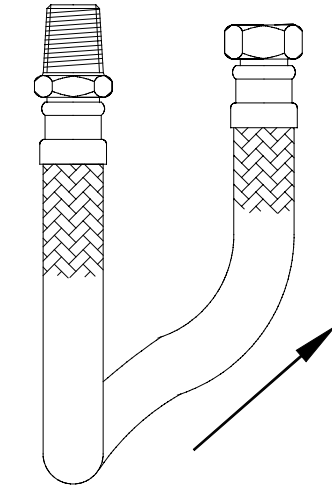
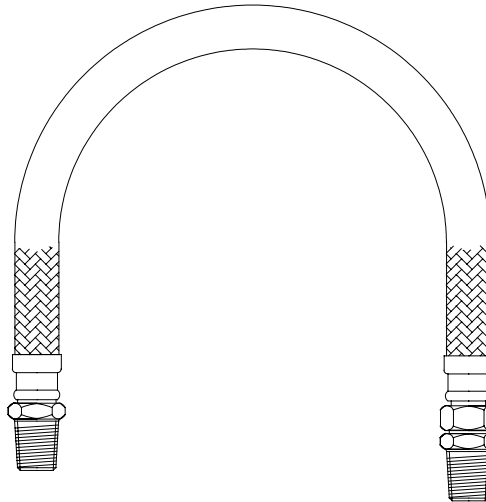
**FORMING A BYPASS LOOP**



**DO NOT KINK**



**CORRECT INSTALLATION**



**DO NOT OFFSET**