# STOURFLEX®

## J & P Supplies Ltd

### Expansion Joints & Pipeline Equipment

## Installation, Operation and Maintenance Instructions for Fan Coil Hose Assemblies.

**Storage.**

Fan coil hose assemblies should be stored in a cool dark clean dry area and be protected from damage caused by other items of plant and equipment. Fan coil hose assemblies should be stored away from any possible ozone sources electric motors etc. Fan coil hose assemblies should be protected from spillage of oil or solvents etc.

**Inspection.**

Fan coil hose assemblies should be inspected for any damage to the hose liner, braiding or end connections. If a fan coil hose assembly is supplied complete with insulation check that the insulation is not damaged in any way.

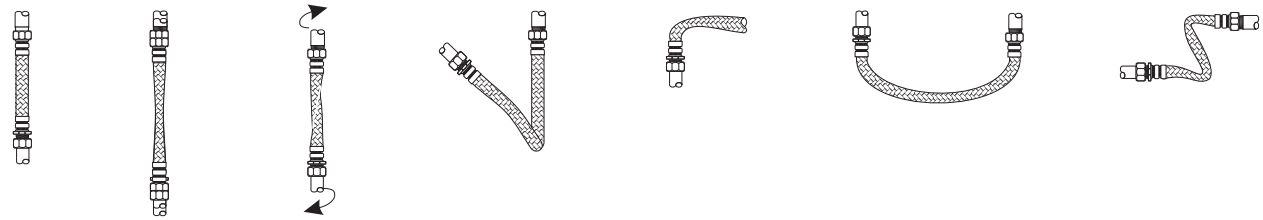
**Selection.**

Stourflex offer a complete range of fan coil hose assemblies. Check that the correct fan coil hose assembly has been selected for the operating conditions that exist. Temperature, pressure and movement should all be confirmed as the wrong selection may result in failure of the system. Check that the correct end connections and installation lengths have been selected to suit the equipment being installed. Ensure that if any water treatment flushing agent or chemicals etc. are to be used in the heating or cooling system that they are compatible with the fan coil hose assembly being installed. Advice from the manufacturers of any chemicals should be sought if any doubts exist on the suitability of the fan coil hose assembly.

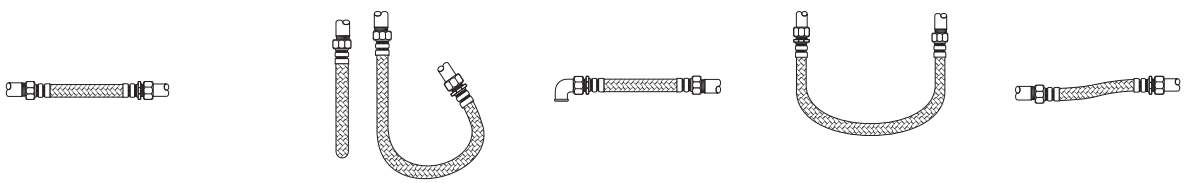
**Installation.**

Care should be taken when fitting fan coil hose assemblies to avoid any of the following errors in installation :
Overtightening of the end connections resulting in torsion on the fan coil hose assembly.
Fitting without the fibre washer ( union end ).
Compression stretching or tensioning of the fan coil hose assembly.
Flattening, Kinking or exceeding the permissible bend radius of the fan coil hose assembly.
These examples illustrate some of the common errors but do not obviate the need for installations to be carried out in accordance with best pipework practices.
For further information on standard lengths and minimum bend radii of see data sheets for **Type JP230, JP240 & JP241** fan coil hose assemblies.

Examples of incorrect installation.



Correct installation.



**Pressure Test.**

If a hydraulic pressure test is to be carried out on a system containing fan coil hose assemblies, ensure that the test pressure ( usually 1.5 x working ) does not exceed the test pressure of the fan coil hose assembly being installed.

**Maintenance.**

When properly installed and used at their correct operating temperature and pressure fan coil hose assemblies will give many years of trouble free service. However fan coil hose assemblies should be inspected periodically for signs of deterioration. Fan coil hose assemblies should not be painted as this may reduce service life. Fan coil hose assemblies are an important part of any heating or chilled water system and consideration should be given to keeping a quantity of spares that would prevent a long term shutdown of the system.



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