



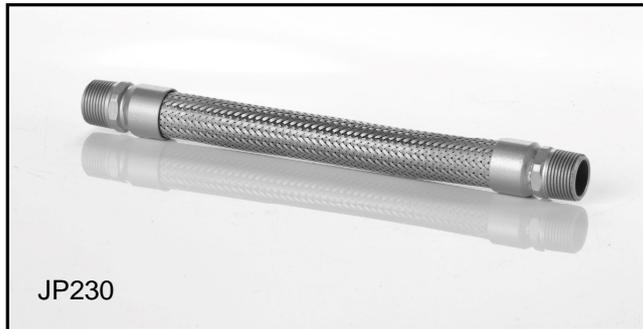
**Type JP230 Rubber Fan Coil Hose Assembly**

**Type JP230i Complete with Class "O" Insulation**

**Specification** Rubber fan coil hose assembly. Consisting of E.P.D.M. liner. Complete with grade 304L stainless steel overbraid and ferrules. Fitted with fixed male B.S.P.T. x swivel female B.S.P.P. nickel plated brass end connections. Complete with washer.

**Application** Stourflex E.P.D.M. fan coil hose assemblies are designed to reduce the transmission of noise and vibration occurring on fan coil and V.A.V. systems. They will also provide the flexibility required for ease of installation and accommodate small movements resulting from pipework expansion. They are suitable for chilled water and L.T.H.W. systems.

Maximum working temperature 85°C.  
 Maximum working pressure 10 bar.  
 Stourflex rubber fan coil hose assemblies should not be used at both their maximum working temperature and pressure respectively.  
 Maximum test pressure = 1.5 x working pressure or 1.5 x end connection rating, whichever the lower.



| Part number | N.B. (mm) | Internal Diameter Of Hose (mm) | Internal Diameter of End Connections (mm) | Max Working Pressure @ 85°C (bar) | Test Pressure Cold (bar) | Bend Radius (mm) | Standard Length (mm) |     |     |
|-------------|-----------|--------------------------------|---|-----------------------------------|--------------------------|------------------|----------------------|-----|-----|
|             |           |                                |   |                                   |                          |                  | A                    | B   | C   |
| JP230-15    | 15        | 13                             | 10  | 10                                | 15                       | 60               | 300                  | 450 | 600 |
| JP230-20    | 20        | 19                             | 16  | 10                                | 15                       | 80               | 300                  | 450 | 600 |
| JP230-25    | 25        | 25                             | 20  | 10                                | 15                       | 100              | 300                  | 450 | 600 |

**Brass Push fit Connections have a maximum rating of 6 Bar at 85°C**

Where service temperatures above those stated exist the Type JP240 stainless steel fan coil hose should be selected.

Non standard hose lengths and alternative end connections are available on request.

Standard hose lengths may differ according to the end connections being supplied.

Stourflex E.P.D.M. rubber fan coil hose assemblies can be supplied fully fitted with class "O" insulation complete with plastic end caps and stainless steel ferrules Type JP230 i.

Please refer to guidance notes for correct use and installation of Stourflex E.P.D.M. rubber fan coil hose assemblies.

All Stourflex products should be installed in accordance with our fitting instructions.

Stourflex rubber fan coil hose assemblies should be periodically inspected and replaced if any deterioration is evident.

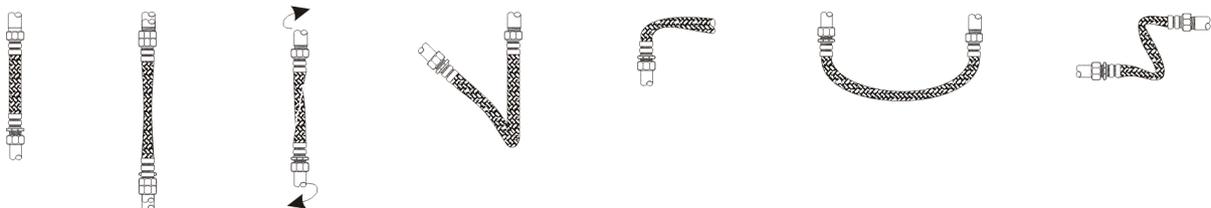
All hose lengths have a tolerance of up to 5%.



## 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 :
- Over tightening 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