

Flexible Hoses

Installation:

1. Adhere to allowable radius of bend. (See table below)
2. Verify the installation conditions do not cause torsion of flexible. (See figure 1 below)
3. If necessary modify the installation in the event that it is not possible to adhere to the allowable radius of bend (see paragraph 1 below). For example, add an intermediary right angle fitting (See figure 2 below).
4. Do not submit the connectors to tension, either from the installation, or as a result of pressure or expansion (see figure 3 below).
4. The braiding of the flexible must never be in contact with cement, plaster or all other materials or fluids capable of causing corrosion.

FIGURE 1

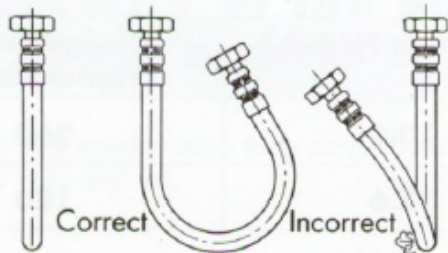


FIGURE 2

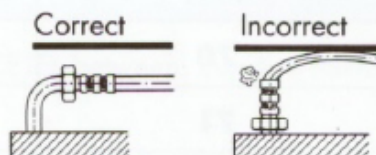
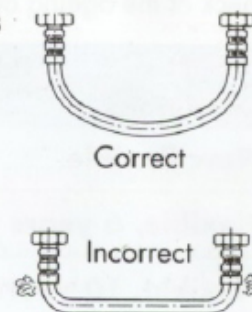


FIGURE 3



ON INSTALLATION: Avoid absolutely any tension due to stretching during the course of tightening the connectors. Do not turn fittings in the hose. Do not twist hose. Avoid sharp bends, kinking or twisting of the hose during installation. The 1/2", 3/4" and 1" hose connection is a metal to metal seal. The brass mating surfaces should be smooth and free of debris. The 1-1/4", 1-1/2" and 2" hose connection use a specially design gasket, do not install without the gasket. Do not use pipe dope or tape sealants on the metal to metal or gasket connection adapters when connecting to the swivel nut.

A. Install and tighten the fixed male connector.

B. Remove the swivel adapter from the swivel nut. Install and tighten the union adaptor.

C. Install and tighten the adaptor to the swivel nut.

Use two spanners in order to screw the union together:

One to hold the hexagon of the adaptor.

The other to tighten the nut at the same time.

IMPORTANT: Do not re-screw the fixed connector or adaptor after tightening of the swivel nut ; this will cause tensioning of the flexible with a risk of rapid deterioration at this point.

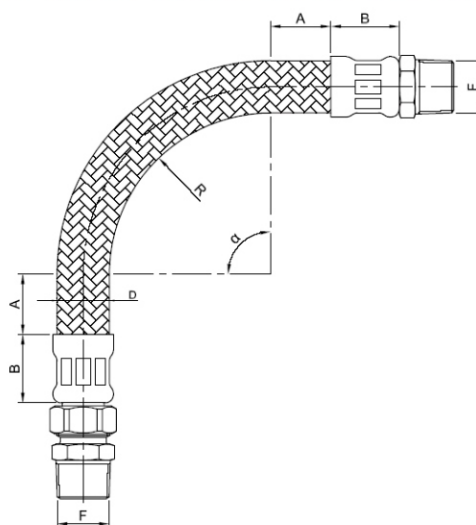
On removal, take precautions. If the flexible incorporates two fixed connectors, at least one must be installed on a counter-part fitting with a swivel connector or a union, if not installation is impossible.

INSPECTION: Macon recommends a good maintenance practice and periodic inspections, typically when servicing other components at the unit or at the installation site. Check all hoses for small water leaks, residue, discoloration on the exterior braid and fittings. If a leak is detected, stop service to the unit and replace hose immediately. Do not attempt to the repair hose.

Caution: Introduction of chemicals into the system or unit may cause damage to the inner core of the hose. Consult a water treatment specialist for chemical compatibility before using any chemical additives.

Warning: Hoses are designed for hydronic heating and cooling service only, not for gas.

FLEXIBLE ALLOWING A BEND



I.D.	F	Length (inch)	R _{min} (mm)	A _{min} (mm)	B (mm)	D (mm)	α _{max}
13	1/2 - 14 NPT	12"	60	40	23	17	89°
		18"	60	40	23	17	180°
		24"	60	40	23	17	180°
		36"	60	40	23	17	180°
		12"	80	55	35	26	32°
19	3/4 - 14 NPT	18"	80	55	35	26	126°
		24"	80	55	35	26	180°
		36"	80	55	35	26	180°
		12"	110	65	35	35	5°
		18"	110	65	35	35	75°
25	1 - 11,5 NPT	24"	110	65	35	35	142°
		36"	110	65	35	35	180°
		18"	120	100	46	42	30°
		24"	120	100	46	42	92°
		36"	120	100	46	42	180°
32	1 1/4 - 11,5 NPT	18"	200	140	62	53	5°
		24"	200	140	62	53	27°
		36"	200	140	62	53	104°
		24"	280	230	57	63	5°
		36"	280	230	57	63	42°