KEFLEX
HVAC Products

# Flexible Braided Hose Assembly Installation Instructions

## FLEXIBLE BRAIDED HOSE ASSEMBLY

**1. Handle the braided assembly in such a manner as to protect the braided outer covering from external damage. The braid covering is the PRESSURE controlling component of the assembly. The integrity of the braided wire sheath must be kept intact during handling and installation.**

- Do Not drag the braided hose assembly where damage to the braid could occur.
- Do Not lay the braided section down on sharp objects which could puncture or otherwise damage the braided wire.
- Do Not lay the braided section down in a wet area which may contain chemicals which could corrode the braid. Chlorine and hydrochloric acid are extremely corrosive to stainless steels and should be avoided.

**2. Install the Hose Assembly using the proper tools for the job. Only wrench on the proper fitting area of the assembly.**

- Do Not wrench on the braided region of the hose. The braid will be damaged and the assembly will lose its pressure capacity.
- Do Not apply torsion to the hose. Use wrenches on the male and female fittings only. Support the hose to protect it during installation from torsion or an excessive bend radius created from its own weight.
- Do Not stand on the hose assembly at any time.

**3. Install the hose in accordance with the manufacturers' stated bend radius** (For Straight Hoses).

- Do Not create sharp bends. If a bend restrictor is needed, one can be installed at the factory.
- Do Not install the hose if the bend is not as close to the center as possible
- Do Not over-bend the hose assembly-if the installation requires a greater than 90 degree bend, consult the manufacturer at the toll-free number provided below.
- Do Not pre-bend the hose. It is not necessary to "limber up the hose" –its degree of flexibility is preset from the factory

**4. Install Ke-loop™ L,U & V loops with the necessary clearance in all directions for the designed movement**

**5. Install a support on the midpoint of the main bend of any Ke-loop™ that is NOT installed with the bend hanging down in the vertical plane.**

**6. Install pipe guides a distance of 4X the diameter of the pipe from the entrance and exit elbows of Ke-loop™ L,U and V Loops. For example, for a 2" pipe the guides should be placed 8" from the entrance and exit. Anchors should be installed at any change of direction of the pipe.**

**7. Install the hose using the length of the assembly as designed for the application.**

- Do Not attempt to stretch the hose
- Do Not restrict the movement of the hose by allowing it to come into contact with the floor, other components, or equipment during installation or service.
- Do Not weld or attach objects to the hose at any time unless the hose assembly was designed with "weld ends".

**8. Ensure piping is properly guided and anchored to prevent torsion or applied motion not perpendicular to hose centerline.**

- For example, at each change of direction, an anchor must be used on each leg of the piping system.

**9. After installation - check for leaks and free movement**

- Do Not exceed the pressure limitations of the hose assembly.
- Do Not allow external liquid to drip on the hose.
- Do Not allow objects to interfere with hose movement.

**10. If required, non-chloride containing insulation should be installed as a final operation in a manner which will not restrict hose movement.**

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