



# **HANDLING AND INSTALLATION REQUIREMENTS**

**“ECO-FLEX” LLC**

## Technical recommendations for installation of metal hoses

To ensure the performance of metal hoses and prevent reduction service life due to additional loads, it is necessary to perform following requirements:

1. Check hose assemblies for damage before installation. Do not install defective metal hoses.

1.1 Metal hoses must be protected from external mechanical damage. Unroll metal hose only while setting up.

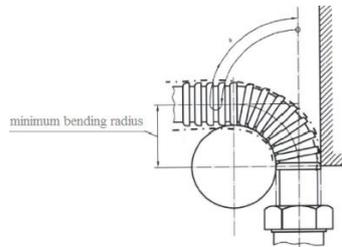
1.2 Metal hoses should not be pulled over the floor or over sharp objects.

1.3 Do not throe metal hoses

1.4 Do not step on metal hoses.



2. Metal hoses must be installed without interference in their natural position and in movement, do not allow the installation to reduce the value specified by the manufacturer minimum bending radius of the metal hose.



3. Prevent such external influences on the metal hoses during operation as stretching, twisting, compression, as they are not designed specifically and are not designed for them



Twisting



Stretching



Compression

4. Prevent the possibility of electrical corrosion. To prevent transmission of electric potential to the surface of the hoses. To exclude contact of an electric cable and a metal hose. The plugged-in electrical equipment must be ground connected.

5. With welding or soldering work, the metal hoses must be protected against weld or flus spatter.

6. For solar hoses or heating systems background can not be applying poor quality of heat transferring liquids . They can arouse corrosion of any metal including stainless steel.

	AISI304	AISI316L
Ethylene Glycol $CH_2-CH_2$	Not Recommended $\otimes$	
Propylene Glycol $C_3H_8O_2$	<b>Recommended</b>	
Magnesium Chloride $MnCl_2$		
(Bishofit) and all Cl-content	Not Recommended $\otimes$	
Liquids		

Before using other liquids please check resistance in accordance with resistant table or contact with manufacturer.

7. Hose that is chemically compatible with a particular fluid must be assembled using fittings and adapters containing likewise compatible seals.

8. It is not recommended to use of a fastener of metal hose with *Zn* or *Pb* or *Sn* content.