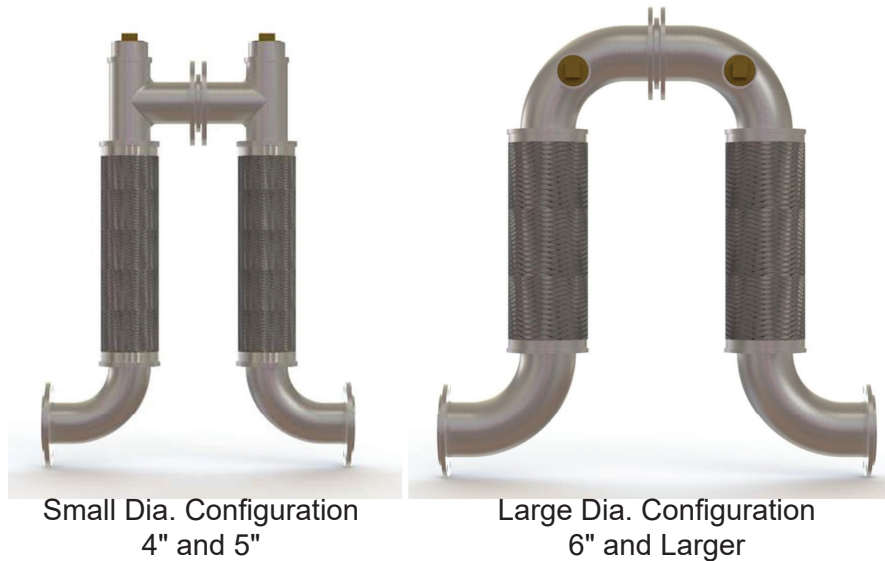


### 1. General:

The DWV Metraloop product consists two parallel sections of lined flexible corrugated hose and braid with connecting fittings as specified for project requirements. The DWV Metraloop is supplied with clean out fittings and means to maintain pipe main pitch. The DWV Metraloop was developed for whenever drain, waste and vent lines cross building joints or are expected to see thermal or other movements. DWV Metraloop is available with flange ends or no hub ends, flanged ends shown below.



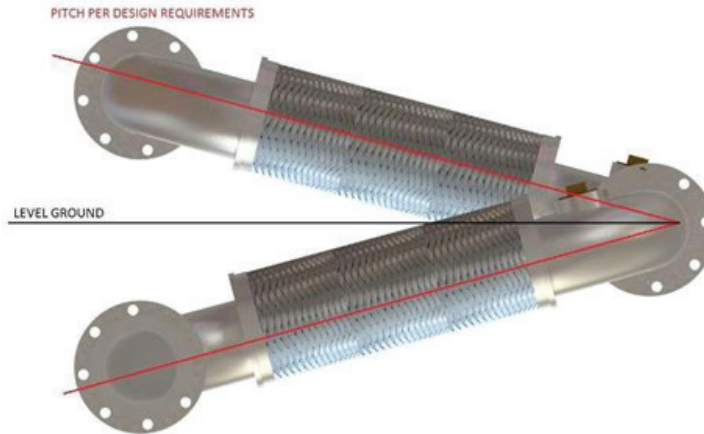
### 2. Receiving

The DWV Metraloop's 180° return fitting needs to be supported or hung in such a way that it is allowed to flex to allow the required range of motion, this is typically achieved with the use of a clevis hanger. The sections of flexible metal hose do not generally need to be supported, unless long lengths of hose are required, in that case consult factory. Do not support adjacent piping or equipment with a DWV Metraloop.



### 3. Pitch

DWV Metraloop is supplied with floating flanges to allow installer to maintain system pitch, as shown below:



### 4. Maintenance

Each DWV Metraloop is shipped with a tag that indicates the part number and axial movement. Check the bill of lading for any shortages. Check the sections of flexible hose and braid for any damage. Note any shortages or damage on the shipping papers.

### 5. Handling:

DWV Metraloops are fabricated with standard pipe fittings that are not generally prone to damage. The outer braid should be evenly distributed around the hose and the installer should avoid snagging. The sections of corrugated flexible metal hose located under the braid must be handled with care. The flexible metal hose is susceptible to point load punctures and crushing damage.

Do not twist, overbend or flex the hose past its designed movement when installing the DWV Metraloop.

When welding in close proximity of the sections of flexible metal hose, weld splatter must not come in contact with the hose.

When unloading, lift the DWV Metraloop use nylon slings; do not allow sections of flexible hose to be over extended.



## DWV Metraloop® Expansion Joint

OPERATION, INSTALLATION AND MAINTENANCE  
INSTRUCTIONS

### 6. Storage

Metraloops ideally should be stored inside prior to installation. They can be stored outdoors under a weatherproof tarp.

When stacking, the weight of the Metraloops must NOT be supported by the flexible hose. Reuse the shipping blocks so that the weight of the loops is supported from fitting to fitting.

### 7. Insulation

When required, Metraloops should be insulated with flexible unicellular foam, mineral wool or fiberglass insulation. Ridged insulations should be avoided on the hose element. The insulation should be installed to avoid entrapment between hose and insulation.

