

## **EvoPlate Vessel**

### **Installation, Operating & Maintenance Instructions.**

#### **Lifting**

Lifting lugs are fitted on the top of the vessel. These should be used when lifting the vessel into position. Ensure the vessel remains in a vertical position (for vertical vessels) and horizontal position (for horizontal vessels) throughout.

#### **Foundations**

Level foundations should be prepared for the buffer vessel. Uneven foundations can cause airlocks within the vessel and the vessel could be unstable when maintenance work is carried out. The vessel should be attached to the foundations using bolts through the bolt holes on the vessel foot pads.

#### **Flanges and bosses.**

PTFE should be used when fitting screwed connections to the vessel bosses. When fitting flange connections ensure mating flanges are square and that the weight of the pipework is supported by external supports and not the vessel connections. Expansion of pipes should be considered for the application and measure put in place if necessary.

#### **Filling and draining**

Tighten any bolts on the vessel prior to filling as these may have become loose during transit. Ensure bolts are tightened diametrically and to the correct Torque. (if in doubt contact the Ormandy Limited technical department). When filling the vessel ensure that the vent connection on the top dished end is open. When the vessel is full the vent boss should be plugged. When draining the vessel ensure the vessel is released of pressure slowly and that the vent is then open before draining commence.

#### **Relief valve.**

Ensure that the relief valve is fitted with a discharge pipe (on the valve outlet). The pipe should open to atmospheric pressure and run to a low level suitable drainage area.

**Inspection.**

Internal inspection of the vessel should take place after the first 3 months. The inspection should involve looking for signs of corrosion or local pitting cells. If any is found then a specialist should be consulted. If after the first inspection the vessel appears sound then a further inspection should be made after 6 months. Again on satisfactory review, inspection can be limited to annually. When inspecting the internal side of the vessel ensure that the vessel is first drained of its contents in accordance with the procedures detailed above. Before removing the inspection cover ensure that the cover is first supported by use of the coverplate lifting lug. When re-fitting the cover the bolts should be tightened diametrically.