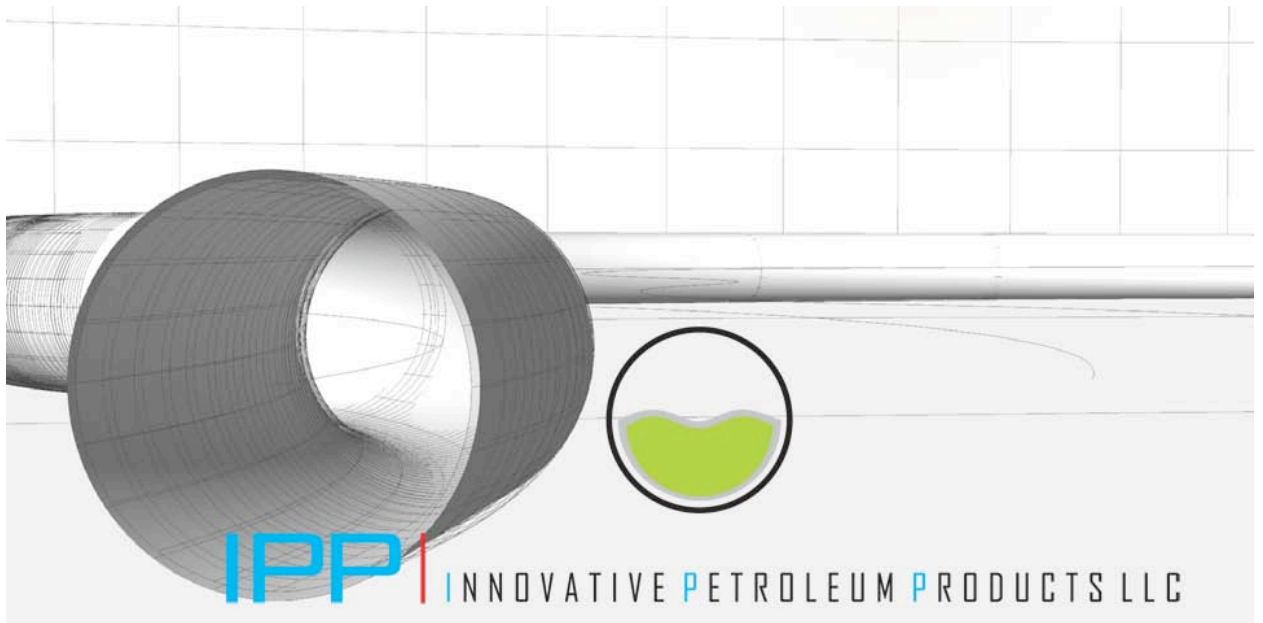


Transition Sump Installation Manual

Ver. FTR-IPP 060



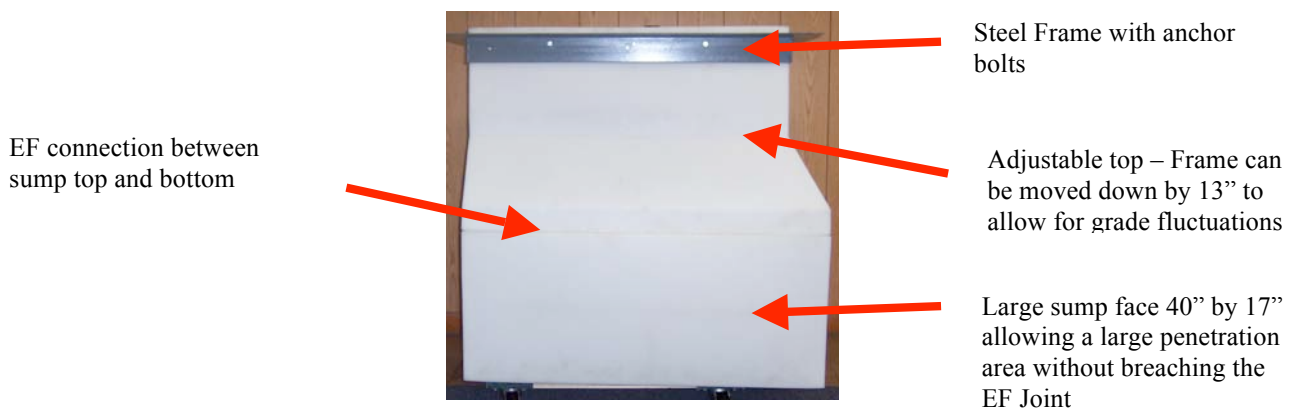
Transition Sump Description

Electr-O-Fuze™ Sumps use a combination of proven technologies for its success, these are : Split sump principles for easy access during installation, safe and reliable proven electro fusion technology using closed wire principles for sealing when the installation is complete. Electr-O-Fuze™ Sumps also come with a fluorination option of the sump bottoms for extra protection against hydrocarbon leaks such as gasoline and diesel. When used with an approved electro fusion welder, it provides an installation with a 30 year life span.

Sump covers are made of Aluminum for strength and corrosion prevention. Sumps all come with a level adjustable feature, ensuring level optimization on site. The bottom of the sump offers a large flat face that allows a wide range of options for penetration of the sump.

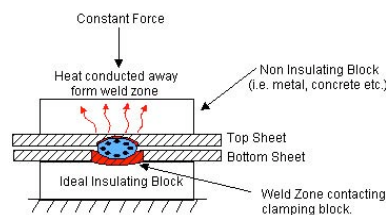
Specifications

The sump top and bottom are made of a roto molded polyethylene with ¼” thick walls. The sump top is made of aluminum offering a robust non corrosive top with a steel frame which offers concrete anchors and a watertight seal.



The sump offers the option of having an easy to work with bottom relative low and allowing the installer to easily access the components to installed in the sump bottom, after the installation is complete the sump top is welded and adjusted for grade.

The EF welding technology used to connect the top and bottom is designed to be permanent, providing a watertight seal. Under no circumstances should this seal be breached as the sump will loose its water tightness and also all of its warranties.



Sump dimensions are :

Base 42” long, 28” wide, 17.5” high (external)
Top : fixed section 42” long, 28” wide and 10.5”
Top : **adjustable section** 36” long, 17” wide and **13” adjustable height**

Installation

Installation, use, and maintenance of all Electr-O-Fuze™ products shall be in accordance with the manufacturer's recommendations, State and county approvals. In event of conflicts, the stricter requirement shall govern.

All sump penetrations must be done on the flat sections of the sump bottom which has 4 faces which can be penetrated, the dimensions of those faces are described above "sump specifications".

At no time can the electrofusion joint between the sump top and bottom be breached as the fusion is recessed and there is no way to seal it once it has been breached creating leaks.

The bottom and the tops have a lot of play in them to allow for grade adjustments on both long and short side of the sumps as per pictures below.



Once the installation of the components has been completed, the two sides of the sump can be welded together. This procedure requires for the two lips of the sump top and sump bottoms be sanded to remove any oxidation and/or fluorination, the faces are then cleaned with Acetone/alcohol. Once cleaned the top and bottom is lined up, pressure points are set on the sump lips and the machine is connected. Using the welding parameters supplied with the sump the EF machine is programmed to the correct time and amperage thereafter started. A 15 minute cooldown is given before the sump is moved again.

Testing is conducted with water. The sump is filled to $\frac{3}{4}$ of the sump height with water, but well above the EF joint line and allowed to stand for a 3 hour period to look for any leaks along the weld or at the entry boots. Should a leak be found either reweld the sump or refit the entry boots depending where the leak was found.

For any assistance do not hesitate to contact IPP.