Schenk Ecoflux Candle Filter

Ecoflux KF Filter Block (Filter) Installation

General:

Installation of a filter block always starts with placing the filter vessel in its proper position and orientation. (If a floor sub-frame is provided, the frame will be the first part.)
Make sure that all proper safety precautions are taken when handling the vessel or any other heavy equipment.

Floor Sub frame installation:

1.0 I the filter has been ordered with a sub-frame, the sub-frame is placed in it's correct position, the frame is the leveled up and the position for the anchor bolts marked.

1.2 We recommend moving the frame prior to drilling the holes in the floor with a 28 mm drill bit to a depth of minimum 210 mm (assuming use of SeitzSchenk expansion bolts), clean and set the chemical anchor bolts, which should be part of the delivery.

1.3 Place the frame back in its correct position, again assure that it is level with support under the main load-bearing areas and close to the anchor bolts. As soon as the bolts can take a load, tighten the bolts enough to pull slightly down on the angle irons attached to the frame for this purpose. This will assure that the bolts are under tension under variable loads and cannot work themselves loose.

1.4 Place the filter vessel on the support stanchions, and follow the procedures for setting up a filter or a filter block. The frame should then be filled in with concrete to ease cleaning and operation of the filter.

Filter Block or single Filter:

2.0 Bing the filter vessel in position and assure that position and orientation is correct, as all he other equipment in the filter block have a placement relative to the filter vessel.

2.1 The filter vessel should be placed on its assigned place on a prepared floor and leveled (any machined surface on the vessel can be used, the easiest will probably be the top outlet flange.
(Warning:
Do not open the top lid until the vessel is bolted down, the vessel might tip over when the lid swings.).

2.2 When the filter is properly positioned and level, mark the floor for the positioning of the holes to be drilled for the attachment bolts, use the holes in the footing plates as a reference for proper placement of the holes.

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2.3 We recommend moving the filter prior to drilling the holes in the floor with a 28 mm drill bit to a depth of minimum 210 mm (assuming use of Schenk expansion bolts), clean and set the chemical anchor bolts, which should be part of the delivery.

2.4 Place the vessel back on the bolts and make sure the vessel is level **(use a machined surface on the vessel for reference),** fasten the filter to the floor with the bolts **(bolts must be properly cured before stress in applied to them).**

3.0 Place the remaining equipment on the floor in its approximate position, start with the larger parts as the dosing unit and the feed pump.

3.1 Lay out the prefabricated piping, staring from the attachments on the filter vessel and adjust pipe and auxiliary equipment for a proper fit and position.

3.1 Continue the placement of equipment until the block is completed and all equipment has been properly placed and adjusted.

3.3 Place the control panel in the designated position.

4.0 Connect up piping for water, air, CO_2, CIP and electricity, the customer needs to connect the control panel to both incoming power supply and the filter block.

4.1 Run tests to assure proper flows and pressure as well as assuring that the electrical motors turn in the correct direction.