

SPECIFICATION

ULTRACEPT® OIL/WATER SEPARATOR

Provide Jay R. Smith Ultracept® 8600 series passive water cohesive oil/water separator having a flow rate of _____ g.p.m. with integral recovered oil storage capacity of _____ gals. Factory assembled unit shall be for above-ground installation and receive effluent from Ultracept® pick-up pump mounted in pick-up cage in surge pit. Surge pit to be L___ W___D, in size. (Minimum 4' x 4' x 4').

Design Criteria

Oil/Water separator shall be of standard manufactured design, completely factory assembled for aboveground setting on concrete pad. Assembly shall consist of a oil/water separator module employing primary, secondary and final skimmers with internal piping of skimmed oil to the waste oil storage compartment "E".

Oil and/or grease contaminated water shall accumulate in the surge pit, which is to be placed as close to the separator as possible. Effluent is pumped from the surge pit by the pick-up pump with built-in float switch, to the inlet of separator. Flow control valve at inlet is to be regulated to units marked flow rate. Pick-up pump and surge pit cage will be furnished with separator and field installed in surge pit.

Accumulated (skimmed) oil/grease are stored in the waste oil storage compartment for future removal. Cleaned water outlet is connected to a sewer or other acceptable disposal source. Clean water can also be recycled within the system.

Unit shall **NOT** use any type of coalescing media to enhance separation.

Construction

Oil/Water separator shall be fabricated from heavy gage type 304 stainless steel. Unit shall have drainage outlets on compartments "A", "B", "C", "D" and "E" furnished with PVC ball valves. Heater connection furnished in compartment "A-2". Debris screen furnished to prevent floating solids from entering compartment "B". All skimmers to be adjustable. Return water line connection furnished from compartment "E" to return any water collected with oil back to the surge pit. Unit to be furnished with a inlet "V" bottom sludge compartment to collect solids. Sludge compartment to be furnished with a 3" (minimum) draw-off connection and ball valve. Unit shall have an adjustable oil draw-off fitting. The unit shall be assembled for transport to job site as one integral unit ready for installation to pre-roughed drain and electrical connections. When required, unit shall be equipped with a perforated media basket to accept oil absorbing products. Unit shall display a water proof identification tag displaying flow rate and model number.

Installation and Maintenance

Manufacturer shall furnish installation manual with details for plumbing and electrical hook-ups and specifications for concrete resting pad. Unit must be installed level. Manufacturer to furnish start-up, operational and maintenance manual prior to installation.

Accessories

System designer must alert manufacturer as to heater requirements when unit is to be installed in an exterior location subject to frost and/or extreme temperatures.