

"TCS / SPS" Series

SEPARATOR SYSTEMS

Specification WRTNSEPSYS

Written: January 2016



1.0 DESCRIPTION

1.1 SEPARATOR SYSTEMS: Shall be manufactured by General Treatment Products, or approved equal and shall be complete with skid mounted tangential entry separator, cast iron end suction pump, pump pre-strainer with perforated strainer, solid removal/liquid recovery tank with perforated basket/filter bag and control panel. Separator system shall be factory plumbed and tested before shipment.

2.0 MATERIALS & FEATURES

2.1 SEPARATOR SYSTEM: Shall be selected by flow rate and installation.

Installation options are:

"TCS" Tower Basin Cleaning, 90 TDH "SPS" Side Stream Cleaning, 45 TDH

Flow Rate options are:

<input type="checkbox"/> 40 GPM	<input type="checkbox"/> 200 GPM	<input type="checkbox"/> 550 GPM	<input type="checkbox"/> 1800 GPM
<input type="checkbox"/> 65 GPM	<input type="checkbox"/> 275 GPM	<input type="checkbox"/> 850 GPM	<input type="checkbox"/> 2500 GPM
<input type="checkbox"/> 100 GPM	<input type="checkbox"/> 325 GPM	<input type="checkbox"/> 1200 GPM	<input type="checkbox"/> 3100 GPM
<input type="checkbox"/> 175 GPM	<input type="checkbox"/> 450 GPM	<input type="checkbox"/> 1800 GPM	<input type="checkbox"/> 4800 GPM

2.2 SEPARATOR: Separator shall be manufactured with true tangential entry and have GTP proprietary features, such as solids deflection hood, vortex tube stabilizer and extended purge chamber.

2.3 PUMP: Separator system pump shall be close coupled cast iron pump head with high efficiency motor.

2.4 PUMP PRESTRAINER: Pump pre-strainer shall be ductile iron and be Y-strainer type. Strainer comes complete with stainless steel perforated screen.

2.5 RECOVERY TANK: Separator system cleansed water recovery tank shall be constructed of carbon steel with bolted steel lid and removal handles. Recovery tank is complete with air release valve and 25 micron filter bag. Purge Options:

Motorized purge kit and solid state timer

2.6 CONTROL PANEL: Separator system control shall be NEMA 4 and have motor starter and overload, transformer, main power switch and LED indicator light, pump H/O/A switch with LED indicator light, red LED service indicator and terminal block. Easy to read terminal block and wiring diagram will be enclosed in all control panels.

2.7 PLUMBING: Separator system plumbing shall be black iron and grooved pipe fittings. Separator to recovery to strainer shall be connected with brass hose barbs and industrial black hose.

2.8 PAINT: Separator system shall be painted and primed with Alkyd enamel paint.

2.9 PRESSURE AND TEMPERATURE LIMITATIONS: Shall have maximum operating parameters of 150PSI @ 85F.

3.0 WARRANTY

General Treatment Products Separators are guaranteed for two years from date of shipment against manufacturing defects in material and workmanship which develop in the service for which they are designed. We will repair or replace a defective part of this system when returned to our factory with freight prepaid; providing that the part is found to be defective upon inspection. We assume no liability for labor and/or other expenses in making repairs or adjustments.

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