



TFS Centrifugal Separator Project Specifications

150 PSI MAX • 120°F MAX • SEPARABLE SOLIDS TO 50 MICRONS

Model Number	Flow Range GPM	Connection Size	Purge Size
TFS-0150	40 - 73	1-1/2" mpt	3/4" fpt
TFS-0200	59 - 110	2" mpt	3/4" fpt
TFS-0250	66 - 125	2-1/2" mpt	3/4" fpt
TFS-0300	125 - 240	3" flng	1-1/2" fpt
TFS-0400	260 - 480	4" flng	1-1/2" fpt
TFS-0500	335 - 615	5" flng	1-1/2" fpt
TFS-0600	600 - 1100	6" flng	2" fpt
TFS-0800	1200 - 2200	8" flng	2" fpt

TOWER-FLO® Centrifugal Separators are available in three models and shall consist of the following major components:

- Model TFS - separator only
 - Model TFSP - separator, automatic purge controls, pump, motor and motor controls
 - Model TFSR - separator, pump, motor, motor controls and continuous, zero discharge purge to a recovery bag filter.
- Each centrifugal separator shall be shipped as a complete factory assembled and tested unit.

Project: _____ Date: _____

The TOWER-FLO® Centrifugal Separator being specified for this project is a Model TFS-_____ with a flow rate range of _____ GPM. ___ unit(s) are specified and each unit shall be equipped with the following components:

COMPONENT SPECIFICATION

SEPARATOR ___ **Standard:** _____", _____ inlet and outlet connections, Sch 40 steel construction; exterior primer after wire brush cleaning ; exterior finish coating of industrial grade enamel; 150 PSI maximum operating pressure; 120°F maximum operating temperature, 1/4" plugged ports for inlet/outlet pressure gauges (gauges not included), _____" plugged port for air bleed (valve not included), and _____" fpt purge connection.

- ___ **Option:** stainless steel construction.
- ___ **Option:** ASME Code Stamped for MAWP of 150 PSIG @ 210°F.
- ___ **Option:** Maximum operating pressure of _____ PSI.
- ___ **Option:** Maximum operating temperature of _____°F.
- ___ **Option:** Bracket mount for TFS-0150 through TFS-0300.
- ___ **Option:** Foot mount for TFS-0150 through TFS-0300.
- ___ **Option:** Clean out port, 3" x 4" for TFS-0150 through TFS-0300.
- ___ **Option:** Clean out port, 4" x 6" for TFS-0400 through TFS-0600.
- ___ **Option:** Inlet/outlet pressure gauges, 0-60 PSI, with 1/4" t-handle isolation valve.
- ___ **Option:** 22-1/2° mounting stand.
- ___ **Option:** _____" manual purge valve;
- ___ **Option:** _____" automatic purge valve assembly including: 2-way brass ball valve with 24 VAC fail-safe actuator that closes in the event of power failure; 2-way manual brass ball valve for isolation; clear PVC pipe for viewing purge liquid clarity; all fittings for complete installation to separator purge connection; purge control panel for timer controlled purge frequency and duration, in NEMA 4X fiberglass enclosure, with manual purge push-button, and requiring 120 VAC primary power supply, field mounting and field wiring of panel to actuator by others.
- ___ **Option:** Inlet isolation valve _____.
- ___ **Option:** Outlet isolation valve _____.



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Form TFS-PSP:6/25/10

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