

GTP "STX, SVX & SFX" Series

CENTRIFUGAL SEPARATORS

Specification 01600070 Rev. A

Written: April 2007

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★ 1.0 DESCRIPTION

1.1 CENTIFUGAL SEPARATOR: Shall be manufactured by General Treatment Products, or approved equal and shall be complete with true tangential entry, extended purge chamber, vortex tube stabilizer and solids deflection hood. Separator shall be rated 150PSI at 200 Degrees F.

★ 2.0 MATERIALS & FEATURES

2.1 BODY: Separator body shall be a minimum of 10 gauge mild steel and 2:1 semi-elliptical SA414 G heads.

2.2 CONNECTIONS: Separator "STX" connections shall be male national pipe thread end connections. Select from optional fittings to follow.

- "SVX" Victaulic grooved end pipe fittings
- "SFX" 150# Raised face pipe flange fittings

2.3 FLOW RATE: Separator shall be designed for flow rates as listed below and a pressure drop from 4-12 PSID. Using chart below select separator line size and pressure drop:

- | | |
|--|--|
| <input type="checkbox"/> "0038" 3/8" Line, 4-9 GPM | <input type="checkbox"/> "0500" 5" Line, 550-960 GPM |
| <input type="checkbox"/> "0050" 1/2" Line, 6-12 GPM | <input type="checkbox"/> "0600" 6" Line, 800-1390 GPM |
| <input type="checkbox"/> "0075" 3/4" Line, 12-23 GPM | <input type="checkbox"/> "0800" 8" Line, 1380-2400 GPM |
| <input type="checkbox"/> "0100" 1" Line, 22-38 GPM | <input type="checkbox"/> "1000" 10" Line, 2175-3780 GPM |
| <input type="checkbox"/> "0125" 1 1/4" Line, 34-54 GPM | <input type="checkbox"/> "1200" 12" Line, 2910-5050 GPM |
| <input type="checkbox"/> "0150" 1 1/2" Line, 52-86 GPM | <input type="checkbox"/> "1400" 14" Line, 3810-6600 GPM |
| <input type="checkbox"/> "0200" 2" Line, 76-118 GPM | <input type="checkbox"/> "1600" 16" Line, 5050-8760 GPM |
| <input type="checkbox"/> "0250" 2 1/2" Line, 118-186 GPM | <input type="checkbox"/> "1800" 18" Line, 6500-11200 GPM |
| <input type="checkbox"/> "0300" 3" Line, 185-320 GPM | <input type="checkbox"/> "2000" 20" Line, 8050-13950 GPM |
| <input type="checkbox"/> "0400" 4" Line, 350-610 GPM | |

2.4 TANGENTIAL ENTRY: Separator shall be manufactured with true tangential entry. Non-Tangential entry or inlet flow diverters can cause forced pressure loss and can cause ineffective forced pressure loss.

2.5 SOLIDS DEFLECTION HOOD: Separator shall be equipped with General Treatment Products Proprietary solids deflection hood causing minimal 1.5 time velocity increase, similar to reduced body diameters to aid in heavier than water solids removal.

2.7 EXTENDED PURGE CHAMBER: Separator shall be have a extended purge chamber utilizing lower head and 2 inches of separator body. Allowing for less routine maintenance and averting system downtimes due to clogging.

2.8 PAINT: Separator shall be coated with oil based enamel paint.

2.9 OPTIONAL FEATURES: Select from the following.

- Code "CO2" 2" NPT clean out port
- Code "LP22" 22 1/2° Low Profile Mount
- Code "LP45" 45° Low Profile Mount
- Code "RD__" Flanged removable dome for interior inspection
- Code "RPC__" Victaulic groove removable purge chamber for purge inspection
- Code "ASME" Separator welded to ASME code
- Code "316S" Separator made from 316 stainless steel material

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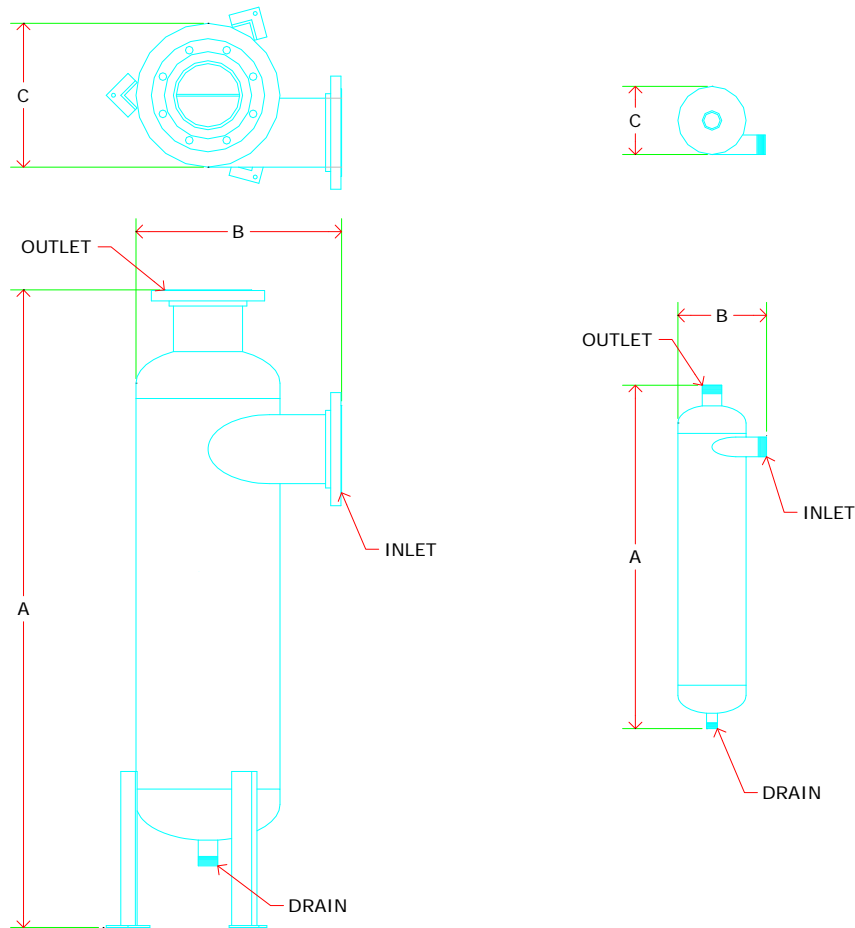
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- 3.0 WARRANTY: General Treatment Products Separators are guaranteed for five years from date of shipment against manufacturing defects in material and workmanship which develop in the service for which they are designed. We will repair or replace 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.
- 4.0 DRAWING, DIMENSIONS & WEIGHTS: Models shown in drawing is SFX-0600 and STX-0100. Dimensions are +/- 1/8". Weights are approximate (See pricing for details)

MODEL	A	B	C	Weight	Model	A	B	C	Weight
STX-0038	18 3/4"	5 1/2"	4"	12 lbs.	SFX-0500	56 3/4"	18 3/4"	16"	165 lbs.
STX-0050	20"	5 1/2"	4"	14 lbs.	SFX-0600	62"	20"	17 1/4"	215 lbs.
STX-0075	22"	6"	4"	18 lbs.	SFX-0800	72"	24"	21 3/4"	335 lbs.
STX-0100	22 3/4"	8 1/4"	6 3/4"	20 lbs.	SFX-1000	87 3/4"	28"	25 3/4"	545 lbs.
STX-0125	27"	8 3/4"	6 3/4"	24 lbs.	SFX-1200	101 1/4"	31"	28 3/4"	815 lbs.
STX-0150	33 1/2"	8 3/4"	6 3/4"	24 lbs.	SFX-1400	111 1/4"	36"	32 1/4"	1350 lbs.
STX-0200	44 1/2"	13 1/4"	10 3/4"	35 lbs.	SFX-1600	125"	36"	32 1/4"	1575 lbs.
STX-0250	48 1/2"	13 1/4"	10 3/4"	38 lbs.	SFX-1800	134"	42"	42"	2075 lbs.
STX-0300	55 1/4"	13 3/4"	10 3/4"	45 lbs.	SFX-2000	137"	48"	47 1/2"	2500 lbs.
SFX-0400	55 3/4"	18 3/4"	16 3/4"	145 lbs.					



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