

SINCE 1908  
**wessels**  
company

## SUBMITTAL

### TYPHOON-SERIES THYPOON FILTRATION SYSTEM

Models: TFA-8 thru TFA-22  
Submittal Sheet No. F-1002A

Date: 11/11

Job Name _____	Submitted By _____	Date _____
Location _____	Approved By _____	Date _____
_____	Order No. _____	Date _____
Engineer _____	Notes _____	
Contractor _____	_____	
Sales Rep. _____	_____	

#### Description

Wessels TFA-Series (ASME) Filtration System is engineered to remove solids from liquids. It offers revolutionary filter performance due to an innovative design that utilizes flow diverging technology to separate dense solids before filter contact. These solids accumulate outside of the filters within the unit where they can be easily blown down and removed. System water then passes through the patented (Platinum Series), multi-path, Typhoon filter where specially designed, ultra-efficient pleat cartridges filter the water even further. These two technologies combine to create a system that provides increased dirt holding capacity, longer filter life, and decreased maintenance expenses.

#### Construction\*

Shell: 304 Stainless Steel  
System Connection: 304 Stainless Steel

#### Performance Limitations

Design Temperature: -20 to 450°F\*\*  
Maximum Design Pressure: 150 PSI\*\*\*

\*316 Stainless Steel and Carbon Steel available

\*\*Reference filter temperature limitations

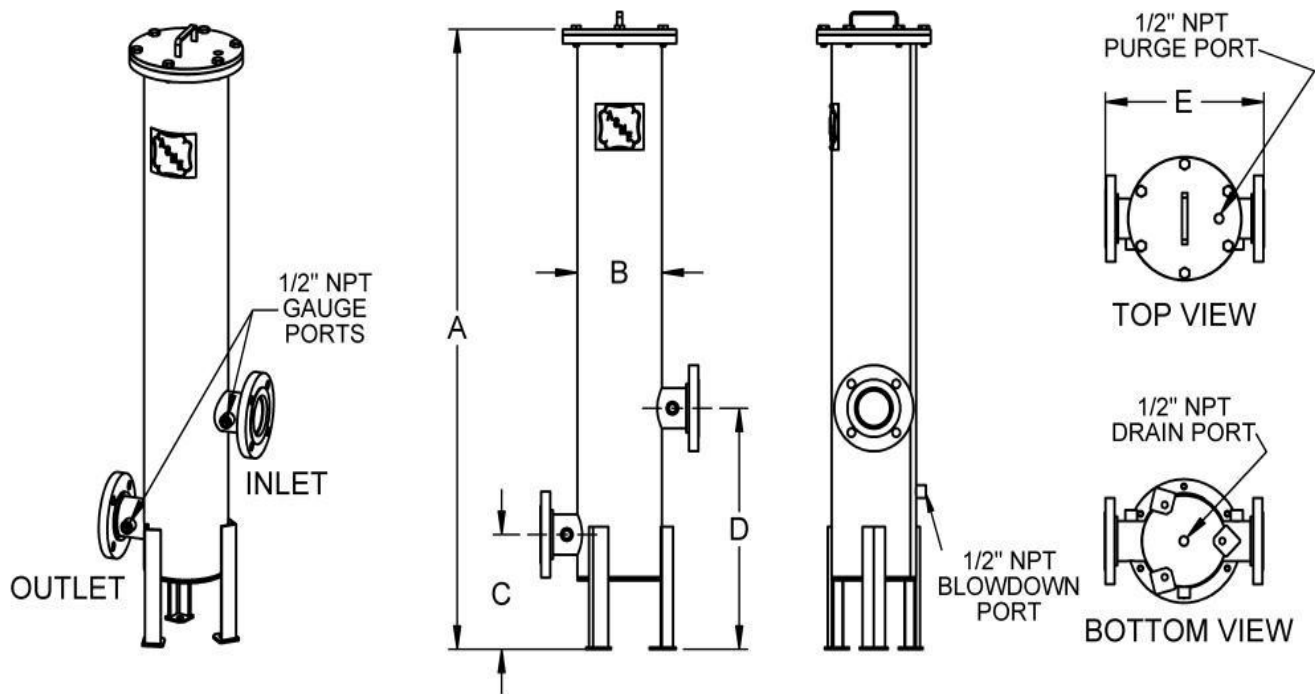
\*\*\*200 & 250 PSIG available

Model Number	Part Number	Maximum Flow (GPM)	Tagging Information	Quantity
TFA-8-4S <sub>1</sub>	68510801	160		
TFA-8-1S <sub>2</sub>	68510802	100		
TFA-8-1P <sub>1</sub>	68510803	100		
TFA-14-16S <sub>1</sub>	68511401	400		
TFA-14-3S <sub>2</sub>	68511402	300		
TFA-14-3P <sub>1</sub>	68511403	300		
TFA-14-1P <sub>2</sub>	68511404	400		
TFA-22-42S <sub>1</sub>	68512201	1000		
TFA-22-8S <sub>2</sub>	68512202	800		
TFA-22-8P <sub>1</sub>	68512203	800		
TFA-22-1P <sub>3</sub>	68512204	800		

#### Typical Specification

Furnish and install as shown on plans a \_\_\_\_\_" diameter x \_\_\_\_\_" (high) stainless steel cartridge style filtration system rated for \_\_\_\_\_ GPM flow. The housing is to be integrated with a \_\_\_\_\_-Series replaceable cartridge style filter element rated to \_\_\_\_\_micron absolute. The filtration housing shall incorporate a ½" NPT drain, purge, and blow-down port to facilitate full drainage of the unit. The unit is also to include ½" NPT ports on the housing inlet and outlet for means of continuous differential pressure monitoring. The housing must be constructed for 150 PSI working pressure @ 450°F and constructed in accordance with most recent addition of Section VIII of the ASME Boiler and Pressure Vessel Code.

Each tank shall be Wessels model number TFS-\_\_\_\_\_ or approved equal.



Wessels TFA-Series Filtration System

### Dimensions & Weights

Model Number	Dimensions In Inches						Number of Filters	Approx Shipping Weight (lbs)
	Inlet/Outlet Connection Size	A	B	C	D	E		
TFA-8-4S <sub>1</sub>	2	56 1/2	8 5/8	4 1/2	16	15	4	120
TFA-8-1S <sub>2</sub>							1	
TFA-8-1P <sub>1</sub>								
TFA-14-16S <sub>1</sub>	4	60 1/4	14	5 3/4	22	26	16	175
TFA-14-3S <sub>2</sub>							3	
TFA-14-3P <sub>1</sub>							1	
TFA-14-1P <sub>2</sub>								
TFA-22-42S <sub>1</sub>	8	65 1/2	22	7 1/2	30	34	42	255
TFA-22-8S <sub>2</sub>							8	
TFA-22-8P <sub>1</sub>							1	
TFA-22-1P <sub>3</sub>								

#### Filter Legend

S<sub>1</sub>= AB Series 2 1/2" Diameter Filter  
 S<sub>2</sub>= AB Series 6 1/4" Diameter Filter  
 P<sub>1</sub>= 740 Platinum Series Filter  
 P<sub>2</sub>= 940 Platinum Series Filter  
 P<sub>3</sub>= 2040 Platinum Series Filter

#### Notes

- Includes 10μ Polypro filter(s).
- Other connection sizes available