

SINCE 1908
wessels
 company

SUBMITTAL

TYPHOON-SERIES
 THYPOON FILTRATION SYSTEM

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

Date: 10/16

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 250°F**
 Maximum Design Pressure: 125 PSI***

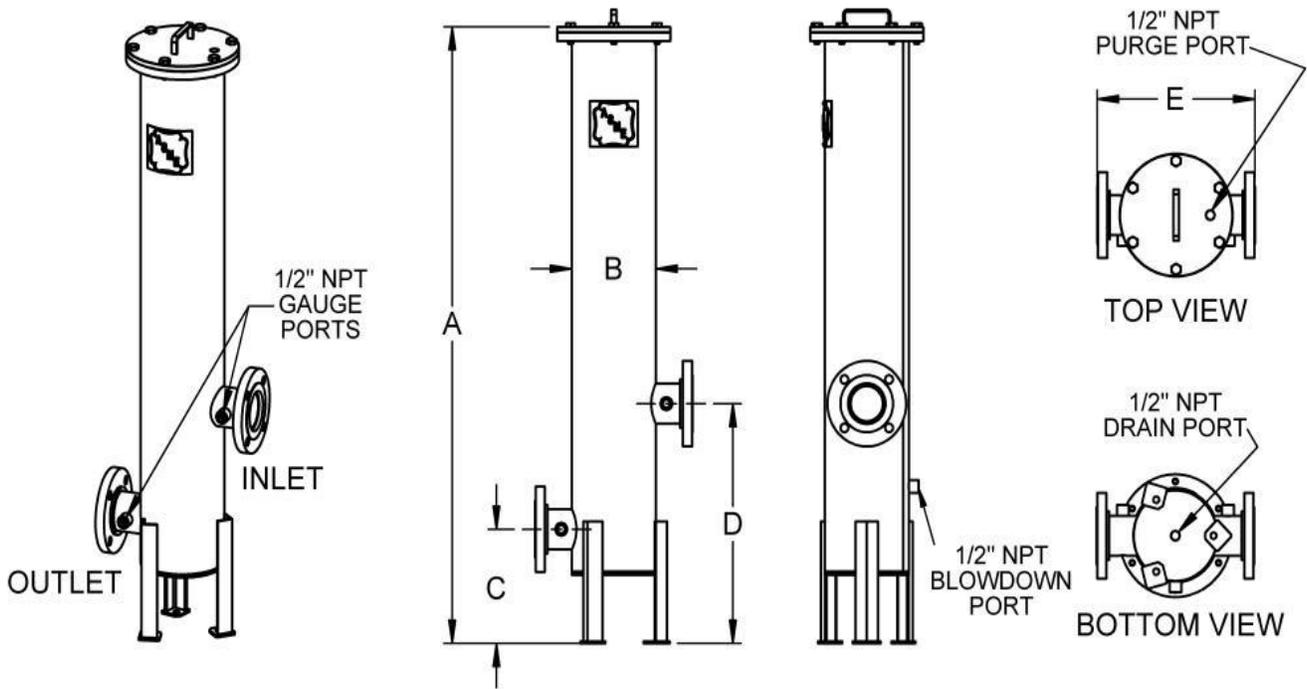
*316 Stainless Steel and Carbon Steel available
 **Reference filter temperature limitations
 ***200 & 250 PSIG available

Model Number	Part Number	Max Flow Rate (GPM)	Tagging Information	Quantity
TFA-8-4S ₁	68510801	80		
TFA-8-1S ₂	68510802	80		
TFA-8-1P ₁	68510803	80		
TFA-14-16S ₁	68511401	320		
TFA-14-3S ₂	68511402	240		
TFA-14-3P ₁	68511403	240		
TFA-14-1P ₂	68511404	300		
TFA-22-42S ₁	68512201	840		
TFA-22-8S ₂	68512202	640		
TFA-22-8P ₁	68512203	640		
TFA-22-1P ₃	68512204	900		

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 TFA-_____ 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 ₁	2	56 1/2	8 5/8	10	16	15	4	120
TFA-8-1S ₂							1	
TFA-8-1P ₁								
TFA-14-16S ₁	4	60 1/4	14	12	22	26	16	175
TFA-14-3S ₂							3	
TFA-14-3P ₁								
TFA-14-1P ₂							1	
TFA-22-42S ₁	8	65 1/2	22	15	30	34	42	255
TFA-22-8S ₂							8	
TFA-22-8P ₁								
TFA-22-1P ₃							1	

Filter Legend

- S₁= AB Series 2 1/2" Diameter Filter
- S₂= AB Series 6 1/4" Diameter Filter
- P₁= 740 Platinum Series Filter
- P₂= 940 Platinum Series Filter
- P₃= 2040 Platinum Series Filter

Notes

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