

SINCE 1908
wessels
 company

SUBMITTAL

CFS-SERIES

Centrifugal Solids Separator – Low Flow

Models: CFS-50 thru CFS-300

Submittal Sheet No. F-1108A

Date: 4/16

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

Description

Wessels CFS-Series Centrifugal Solids Separators are designed for in-line or slip-stream low flow filtration of entrained solids from a liquid system. This filterless separator achieves the removal of solids through centrifugal force and friction. Fluid enters the separator at a tangent and creates a vortex within the unit. The increase in the fluid's centrifugal velocity as the fluid enters the body of the unit separates the more dense solids from the liquid. Separated solids fall to the lower collection chamber while exiting fluid is drawn from the center of the vortex back into the system or fluid stream. Removal of debris in your system can increase system efficiencies, extend the life of system components, and lower operational costs.

Construction

Shell: Carbon Steel
 System Connection: Carbon Steel

Performance Limitations

Maximum Design Temperature: 450°F
 Maximum Design Pressure: 150 PSIG*

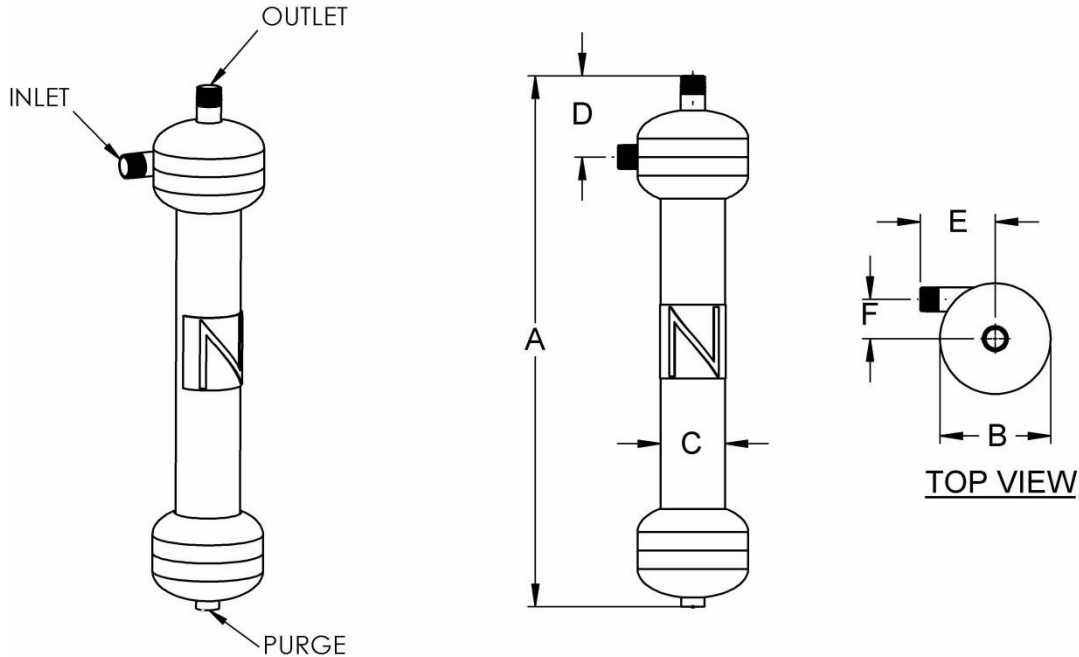
*200 & 250 PSIG available

Model Number	Part Number	Flow Range (GPM)	Tagging Information	Quantity
CFS-50	69000050	5-10		
CFS-75	69000075	10-20		
CFS-100	69000100	17-32		
CFS-125	69000125	28-50		
CFS-150	69000150	45-70		
CFS-200	69000200	70-110		
CFS-250	69000250	100-160		
CFS-300	69000300	150-250		

Typical Specification

Furnish and install as shown on plans a _____" diameter X _____" (high) centrifugal solids separator rated for _____ GPM flow. The separator shall have NPT system connections and purge valve connection to facilitate automatic, continuous, or intermittent blowdown of separated solids. The vessel must be constructed and stamped 150 PSI working pressure at 450°F.

Each separator shall be Wessels model number CFS - _____ or approved equal.



CFS-50 thru CFS-300

Dimensions & Weights

Model Number	Dimensions In Inches								Approx Shipping Weight (lbs)
	Inlet/Outlet Size (MNPT)	Purge (FNPT)	A	B	C	D	E	F	
CFS-50	1/2	3/4	19	6	1 7/8	4	4	2 1/4	11
CFS-75	3/4				2 3/8			2 1/8	14
CFS-100	1		29		3 1/2	4 1/4		2	21
CFS-125	1 1/4				1 7/8	21			
CFS-150	1 1/2				4 1/4	1 3/4		22	
CFS-200	2	1	32	8 5/8	5 9/16	5	5 1/2	2 3/4	41
CFS-250	2 1/2		35 1/2		5 1/2	6	2 5/8	45	
CFS-300	3	1 1/2	39	10 3/4	6 5/8	6 1/2	7 3/4	3 1/4	78

Notes

- Exterior: Blue Enamel
- Clamp-on support legs available.
- Stainless Steel construction available.
- System connections available in flanged or grooved configurations upon request.
*Some dimensional changes may be required.
- Dimensions for reference only. Consult factory prior to pre-plumbing.