

SINCE 1908
wessels
 company

SUBMITTAL

PSAVR-SERIES

ASME PRIMARY/SECONDARY HEADER

Models: PSAVR-2 thru PSAVR-16

Submittal Sheet No. J-1003B

Date: 6/17

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

Description

Wessels Primary/Secondary ASME WessVent Headers are used in heating and cooling systems that require the primary and secondary loops of their system to be interlocked. The PSAVR is designed to keep both connected hydraulic circuits completely independent from one another. The PSAVR replaces the need for an air/dirt separator. Replaceable internal coalescence coils in the tank eliminate entrained air and separate debris associated with start-up and maintenance of the system.

Construction

Shell: Carbon Steel
 Coalescing Medium: Stainless Steel

Performance Limitations

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

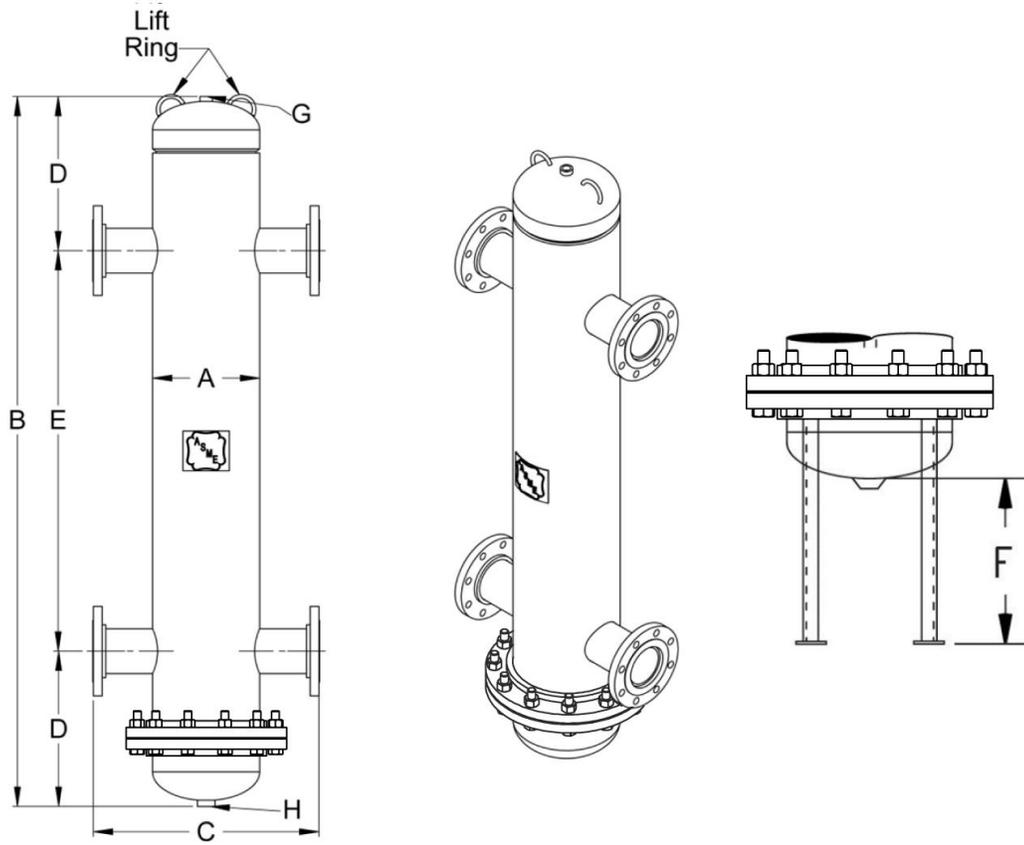
*200 & 250 PSIG available

Model Number	Part Number	Flow Rate (GPM)	Tagging Information	Quantity
PSAVR-2	71302020	69		
PSAVR-2.5	71302025	108		
PSAVR-3	71302030	144		
PSAVR-4	71302040	255		
PSAVR-5	71302050	398		
PSAVR-6	71302060	570		
PSAVR-8	71302080	945		
PSAVR-10	71302100	1440		
PSAVR-12	71302120	2100		
PSAVR-14	71302140	2550		
PSAVR-16	71302160	3300		

Typical Specification

Furnish and install, as shown on plans, a PSAVR-_____ as manufactured by Wessels Company. The Primary/Secondary Header must also utilize in its design a stainless steel coalescing medium to aid in the separation of air and dirt in the system's entrained water. The PSAVR must be constructed in accordance with the most recent addendum of Section VIII Division 1 of the ASME Boiler and Pressure Vessel Code and shall be constructed and stamped for 150 PSI working pressure @ 450°F.

Each tank shall be Wessels model number PSAVR-_____ or approved equal.



PSAVR-2 thru PSAVR-16

Dimensions & Weights

Model Number	Dimensions in Inches									Approx Shipping Wt (lbs)		
	Connection Size	A	B	C	D	E	F	G	H			
PSAVR-2	2	6 5/8	34 1/4	14 3/4	6 3/4	20 3/4	-	1/2	1/2	162		
PSAVR-2.5	2 1/2		39 1/4		7 1/4	24 3/4				187		
PSAVR-3	3	49 1/2	9 3/8	30 3/4	354							
PSAVR-4	4	10 3/4	70 1/4	15	40 1/4	14			1/2	1	464	
PSAVR-5	5	14	80 1/2		50 1/2						444	
PSAVR-6	6	18	93 3/4	30	16 1/2						60 3/4	625
PSAVR-8	8	24	122 3/4	36	21 3/8						80	1075
PSAVR-10	10	30	149 1/4	42	24 1/2						100 1/4	1733
PSAVR-12	12		179 1/2		30	119 1/2			1988			
PSAVR-14	14	42	199 1/4	54	34	131 1/4			2	4138		
PSAVR-16	16	48	224 1/4	60	37 1/8	150	5142					

Notes

- Support legs standard on models PSAVR-6 and up.