

SINCE 1908
wessels
 company

SUBMITTAL

PSAV-SERIES

ASME PRIMARY/SECONDARY HEADER

Models: PSAV-2 thru PSAV-16

Submittal Sheet No. J-1002B

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 PSAV is designed to keep both connected hydraulic circuits completely independent from one another. The PSAV replaces the need for an air/dirt separator. 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*

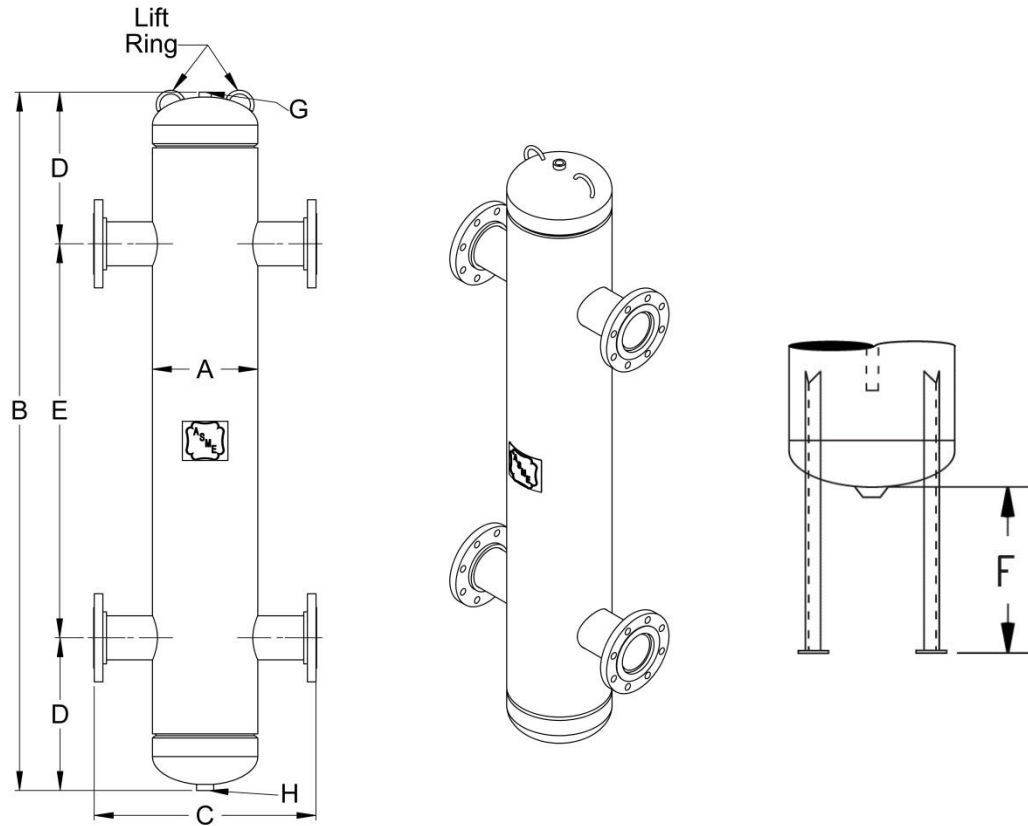
*200 & 250 PSIG available

Model Number	Part Number	Flow Rate (GPM)	Tagging Information	Quantity
PSAV-2	71102020	69		
PSAV-2.5	71102025	108		
PSAV-3	71102030	144		
PSAV-4	71102040	255		
PSAV-5	71102050	398		
PSAV-6	71102060	570		
PSAV-8	71102080	945		
PSAV-10	71102100	1440		
PSAV-12	71102120	2100		
PSAV-14	71102140	2550		
PSAV-16	71102160	3300		

Typical Specification

Furnish and install, as shown on plans, a PSAV-_____ 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 PSAV 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 PSAV-_____ or approved equal.



PSAV-2 thru PSAV-16

Dimensions & Weights

Model Number	Dimensions in Inches									Approx Shipping Wt (lbs)
	Connection Size	A	B	C	D	E	F	G	H	
PSAV-2	2	6 5/8	34 1/4	14 3/4	6 3/4	20 3/4	-	1/2	1/2	90
PSAV-2.5	2 1/2		39 1/4		7 1/4	24 3/4				115
PSAV-3	3	49 1/2	18 3/4	9 3/8	30 3/4	225				
PSAV-4	4	10 3/4	70 1/4	22 3/4	15	40 1/4	14	1	330	
PSAV-5	5	14	80 1/2	26		50 1/2			415	
PSAV-6	6	18	93 3/4	30	16 1/2	60 3/4			420	
PSAV-8	8	24	122 3/4	36	21 3/8	80	575			
PSAV-10	10	30	149 1/4	42	24 1/2	100 1/4	14	1	935	
PSAV-12	12		179 1/2		30	119 1/2			1165	
PSAV-14	14	42	199 1/4	54	34	131 1/4			2	2430
PSAV-16	16	48	224 1/4	60	37 1/8	150	3260			