

FLASH VESSELS RV

DESCRIPTION

The flash vessel is the main component in any flash recovery system. It can be used in all steam plants where high pressure condensate is reduced to a lower pressure, so that flash steam is formed by re-evaporation. This steam can be used in low pressure process or heating equipments.

Connections are flanged or screwed on request.

MAIN FEATURES

Several possibilities of installation and special sizes and types (available on request).

OPTIONS: Complete stainless steel construction.
Installation supports on body (without supporting feet).

USE: High pressure condensate.
Boiler blowdown heat recovery systems.

AVAILABLE MODELS: RV...A/S; RV...L/S - carbon steel body.
RV...A/SS; RV...L/SS - st. steel body.
(A-angle ; L-inline connections)

SIZES: RV06, RV08, RV12, RV16 and RV18

CONNECTIONS: Flanged EN 1092-1 PN 16
Special flanges upon request.

INSTALLATION: Vertical installation.
Horizontal condensate inlet and outlet or alternative horizontal inlet and vertical condensate outlet.
See AD (Assembling drawing)



RV/A



RV/L

CE MARKING (PED - European Directive)		
RATING	SIZE	CAT.
PN16	RV06	2
	RV08	2
	RV12	3
	RV16	3
	RV18	3

CE Marking: This product has been designed for use on water, steam, air and other gases which are in Group 2 of the European PED-Pressure Equipment Directive in use and it complies with those requirements.

The product carries the CE mark when falling in category 1 and above.

SIZING: For the correct selection it is required the condensate flow rate and temperature arriving to the flash vessel, as well as the flash steam pressure required.

Auxiliary equipment is recommended. Consult the factory for the correct flash vessel selection and system design including all the necessary accessories.

MATERIALS		
DESIGNATION	RVST/S	RVST/SS
Heads and shell	P265GH / 1.0425 ; P235GH / 1.0305	AIS316 / 1.4401; AIS316L / 1.4404
Inlet / Outlet pipes	P235GH / 1.0305	AIS316 / 1.4401
EN flanges	P250GH / 1.0460	AIS316 / 1.4401
ANSI Flanges	ASTM A105 / 1.0432	AIS316 / 1.4401
Sockets	ASTM A105 / 1.0432	AIS316 / 1.4401
Suports	S235 JR / 1.0038	AIS304 / 1.4301

LIMITING CONDITIONS **											
RV/S						RV/SS					
Rating	Press. bar	Temp. °C	Rating	Press. bar	Temp. °C	Rating	Press. bar	Temp. °C	Rating	Press. bar	Temp. °C
PN16	16	50	ANSI Cl.150 lbs	16	50	PN16	16	50	ANSI CL.150lbs	16	50
	14	100		14	100		16	100		16	100
	13 *	195		13 *	195		13*	195		13 *	195
	12	250		-	-		12	250		-	-

*PMO-Max.operating pressure for saturated steam. Minimum operating temp.: -10°C. Design code: AD-Merkblatt

** Rating according to EN1092:2007.

APPROXIMATE DIMENSIONS (mm)																	
FLANGED EN 1092-1 - ANSI																	
MODEL	A	A1	B	C	D	D1	E	F	G	H	I	I1	d1	d2	d3	d4	WGT Kg
RV 06	1400	1200	185	170	800	600	635	50	50	50	853	-	3/4"	2"	1/2"	1"	36
RV 08	1500	1300	210	220	810	610	645	80	80	50	908	-	1"	2"	1/2"	1"	56
RV 12	1540	1340	265	325	830	630	660	100	100	50	908	-	1 1/2"	2"	1/2"	1"	92
RV 16	1660	1460	310	410	930	730	725	150	150	80	990	-	1 1/2"	2"	1/2"	1 1/2"	146
RV 18	1610	1410	330	460	965	765	755	150	150	80	-	485	2"	2"	1/2"	1 1/2"	174

Consult factory for certified dimensions. Dimensions subject to change without notice.

Other sizes can be supplied on request.

