



FLASH VESSELS RVST (With inbuilt steam trap)

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 reevaporation. This steam can be used in low pressure process or heating equipments.

MAIN FEATURES

Several possibilities of installation and special sizes and types available on request. Inbuilt steam trap.

OPTIONS: Complete stainless steel construction.

Installation supports on body (without supporting

feet).

USE: High pressure condensate.

Boiler blowdown heat recovery systems.

AVAILABLE

MODELS: RVST/S – carbon steel.

RVST/SS – stainless steel.

SIZES: RVST08, RVST12, RVST16, RVST18.

CONNECTIONS: Flanged EN 1092-1 PN 16.

Special flanges upon request.

INSTALLATION: Vertical installation.

Horizontal condensate inlet and outlet.

See AD (assembly drawing).

CE MARKING – GROUP 2 (PED – European Directive)						
PN 16	Category					
RV08	2 (CE marked)					
RV12	3 (CE marked)					
RV16	3 (CE marked)					
RV18	3 (CE marked)					





LIMITING CONDITIONS											
RVST/S					RVST/SS						
RATING	ALLOW. PRESS.	RELAT. TEMP.	RATING	ALLOW. PRESS.	RELAT. TEMP.	RATING	ALLOW. PRESS.	RELAT. TEMP.	RATING	ALLOW. PRESS.	RELAT. TEMP.
	16 bar	50 °C	CLASS	16 bar	50 °C	PN 16 *	16 bar	50 °C	CLASS 150 **	15,3 bar	50 °C
PN 16 *	14 bar	100 °C		14 bar	100 °C		15 bar	100 °C		13,3 bar	100 °C
PN IO	13 bar	195 °C	150 **	13 bar	195 °C	PNIO	12,7 bar	200 °C		11,1 bar	200 °C
	12 bar	250 °C		_	_		12 bar	250 °C		_	_

^{*} Rating according to EN 1092-1:2018; PMO – Maximum operating pressure for saturated steam: 13 bar. Minimum operating temperature: -10 °C; Design code: AD-Merkblatt.





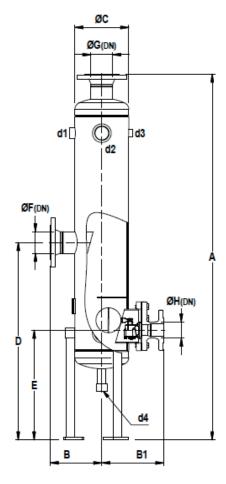


APPROXIMATE DIMENSIONS (mm) *														
MODEL	Α	В	B1	С	D	E	F	G	Н	d1	d2	d3	d4	WGT. (kg)
RV08	1500	210	252	220	810	450	80	80	50	1"	2"	1/2"	1"	67
RV12	1540	265	305	325	830	485	100	100	50	11/2"	2"	1/2"	1"	102
RV16	1660	310	385	410	930	530	150	150	80	11/2"	2"	1/2"	11/2"	179
RV18	1610	330	410	460	965	545	150	150	80	2"	2"	1/2"	11/2"	197

^{*} For certified values, consult manufacturer.

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

Auxiliary equipment is recommended. Consult manufacturer for 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 / 1.0345	AISI 316 / 1.4401; AISI 316L / 1.4404					
Inlet / outlet pipes	P235GH / 1.0345	AISI 316 / 1.4401					
EN flanges	P250GH / 1.0460	AISI 316 / 1.4401					
ASME flanges	ASTM A105 / 1.0432	AISI 316 / 1.4401					
Sockets	ASTM A105 / 1.0432	AISI 316 / 1.4401					
Supports	S235JR / 1.0038	AISI 304 / 1.4301					
Steam trap mechanism	Stainless steel	Stainless steel					
Steam trap cover	P235GH / 1.0305; A216 WCB / 1.0619	AISI 316 / 1.4401; A351 CF8 / 1.4308					
Steam trap gasket	Stainless steel / Graphite	Stainless steel / Graphite					
Bolts	Steel 8.8	Stainless steel A2-70					