

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 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).
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 body.
RVST/SS- stainless steel body.

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 (Assembling drawing)

CE MARKING (PED - European Directive)		
RATING	SIZE	CAT.
PN16	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.



LIMITING CONDITIONS **											
RVST/S						RVST/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		-	-

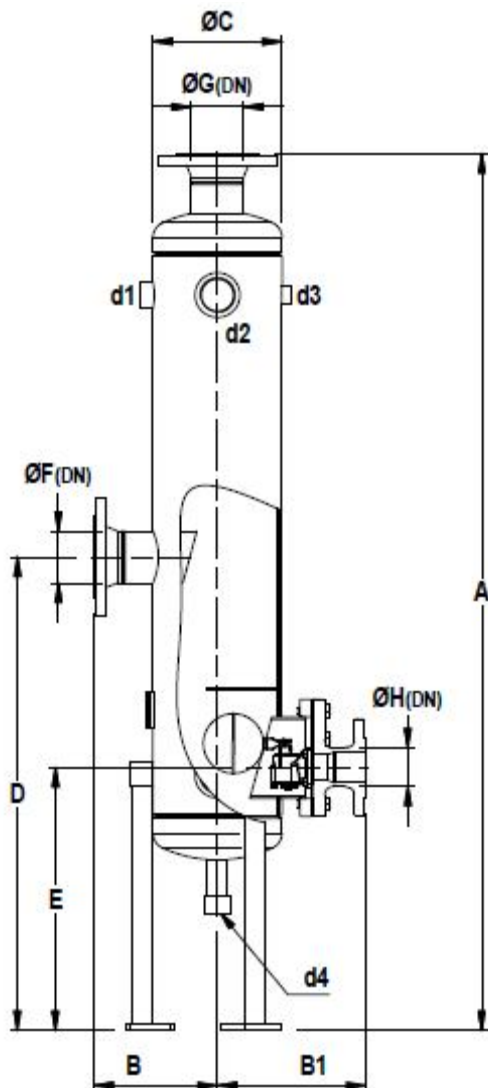
*PMO-Max.operating pressure for saturated steam. Minimum operating temp.: -10°C. Design code: AD-Merkblatt

** Rating according to EN1092:2007.

APPROXIMATE DIMENSIONS (mm)														
FLANGED EN 1092-1 - ANSI														
MODEL	A	B	B1	C	D	E	F	G	H	d1	d2	d3	d4	WGT Kg
RVST 08	1500	210	252	220	810	450	80	80	50	1"	2"	1/2"	1"	67
RVST 12	1540	265	305	325	830	485	100	100	50	1 1/2"	2"	1/2"	1"	102
RVST 16	1660	310	385	410	930	530	150	150	80	1 1/2"	2"	1/2"	1 1/2"	179
RVST 18	1610	330	410	460	965	545	150	150	80	2"	2"	1/2"	1 1/2"	197

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

Other sizes can be supplied on request.



MATERIALS		
DESIGNATION	RVST/S	RVST/SS
Heads and shell	P265GH / 1.0425 ; P235GH / 1.0305	AISI316 / 1.4401; AISI316L / 1.4404
Inlet / Outlet pipes	P235GH / 1.0305	AISI316 / 1.4401
EN flanges	P250GH / 1.0460	AISI316 / 1.4401
ANSI Flanges	ASTM A105 / 1.0432	AISI316 / 1.4401
Sockets	ASTM A105 / 1.0432	AISI316 / 1.4401
Suports	S235 JR / 1.0038	AISI304 / 1.4301
Stem trap mech.	St.Steel	St.Steel
Steam trap cover	P235GH / 1.0305 ; ASTM A216 / 1.0619	AISI316 / 1.4401 ; CF8 / 1.4308
Steam trap gasket	St. Steel / Graphite	St.Steel / Graphite
Bolts	Steel 8.8	A2 - 70

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.