

## INSTALLATION AND MAINTENANCE INSTRUCTIONS RV FLASH VESSELS

### GENERAL

1.The flash vessel is the main component in any flash recovery system.It allows flash steam from high pressure condensate to separate out and thus provide a low pressure steam supply, which has the same heat content as live steam at the same pressure.

#### **Warning !**

-If malfunction of any other equipment or system operation failure may result in a dangerous overpressure ,overtemperature or even vacuum condition, a safety device must be included in the system to prevent such situations .A safety valve socket connection is provided on the vessel.If the selection of safety valve recommend the use of a valve connection bigger than that included on the vessel, then , we recommend it's installation as mentioned on fig.1.

-Do not touch the equipment without appropriate protection during working operation because it may conduct heat if the used fluid is at high temperature.

-Before starting maintenance be sure that the equipment is not pressurized or hot .

-If any of the socket connections is not being used, it must be closed with an appropriate carbon steel plug.

-Do not remove the nameplate attached to the equipment.Serial number and other useful information is stamped on it.

### INSTALLATION

1.Prior to installation check that the product is suitable for the intended application : materials and pressure/temperature ratings.

2.Before to installation remove plastic covers placed on flanges or connection ends. The equipment has an arrow or Inlet/Outlet designations.Be sure that it will be installed on the appropriate flow direction.

3.External stresses that may be induced by the system doing to pipe expansion,etc, can affect this product. The necessary precautions are recommend during the system design and equipment assembly.

4.The flash vessel must be installed on vertical position always with the flash steam outlet on the top. A float and thermostatic steam trap is recommended to automatically discharge the condensate .For detailed system design please consult factory and assembling instructions AS 9.703.

### MAINTENANCE

1.The flash steam doesn't need any specific type of maintenance. Regular inspection may be recommended by local authorities according to specific or general pipe and/or vessels assembly procedures.

Estimated lifetime under satisfactory working conditions : 5 years ; after this period we recommend the wall thickness examination using appropriated inspection equipment.Poor quality water or corrosive fluids will reduce this period.

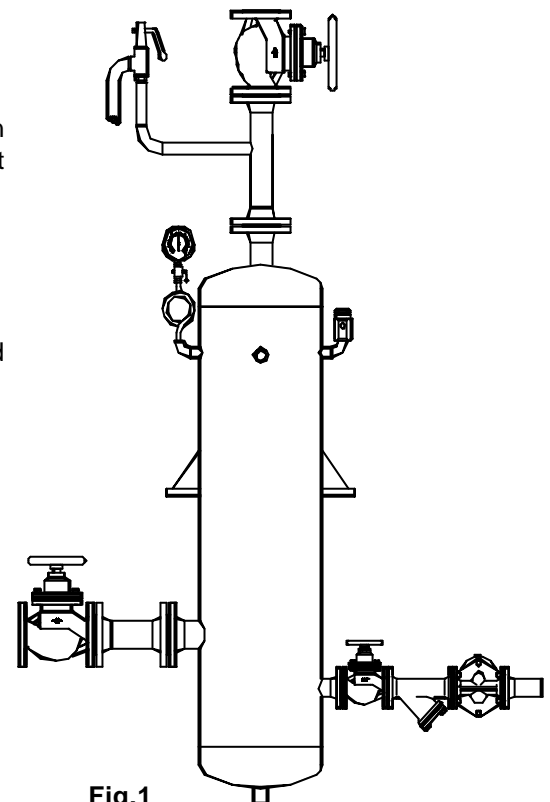


Fig.1

#### BODY LIMITING CONDITIONS

RATING	PRESS. bar	TEMP. °C
DIN PN16	16	120
	14	198
	13	250
ANSI CL.150	16	120
	14	198

#### GROUP 2 GASES CATEGORIES

RATING	SIZES	Category
DIN PN 16	RV 06	2
	RV 08	2
	RV 12	3
	RV 16	3
	RV 18	3

#### CE Marking :

This product fully complies with the requirements of PED European Pressure Equipment Directive 97/23/CE and has been design for use with water, steam, air and other gases within group 2.