



## Flash Vessels - RV Series

### 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.

### 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

|                      | RVST/S                              | RVST/SS                                |
|----------------------|-------------------------------------|--|
| Heads and shell      | P265GH / 1.0425;<br>P235GH / 1.0305 | AISI316 / 1.4401;<br>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                       |
| Supports             | S235 JR / 1.0038                    | AISI304 / 1.4301                       |

Price

**ON REQUEST**

### 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<br>Cl.150 lbs | 16         | 50       | PN16   | 16         | 50       | ANSI<br>Cl.150 lbs | 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.



## Plate Heat Exchangers - PAT Series

Suitable to work up to 7 barg steam pressure

### Description

The ADCATHERM PAT – plate heat exchangers (gasketed and bolted), consists of varying number of pressed plates, clamped together between a fixed plate and a movable plate, all assembled in a metal frame.

### Materials

|                         |  |
|-------------------------|--|
| Plates                  | AISI316L / 1.4404; AISI304 / 1.4301; Titanium ASTM 265 B Grade 1 |
| Frame                   | P250GH / 1.0460; AISI304 / 1.4301; AISI316 / 1.4401              |
| Gaskets and RubberLiner | NBR; EPDM; VITON - S   |
| Flanges                 | P250GH / 1.0460; AISI316 / 1.4401                                |
| Tightening bolts        | AISI304 / 1.4301; AISI316 / 1.4401                               |

EN 10204 3.1 certificate available if requested with the order.

### Limiting Conditions \*\*

| Rating | Sealing Material | Temp. °C | Rating | Sealing Material | Temp. °C |
|--------|------------------|----------|--------|------------------|----------|
| PN16   | NBR              | 150      |        | NBR              | 150      |
| PN10   | EPDM             | 160      | PN25   | EPDM             | 150      |
| PN16   | VITON - S        | 195*     |        | VITON - S        | 150      |

\*With special frame design. \*\* Rating according to EN1092:2007. Min. Oper. temp.: -20°C. Design code: AD-2000 Merkblatt HP0

Price

**ON REQUEST**