



The **RFV** range of coolers is the ideal solution to combine the requirements of restricted spaces and easy cleaning with cooling efficiency.

The mixing tool and the optional cooling ring are equipped with devices to extract them from the vessel, thus further facilitating cleaning and any special maintenance operations. **Applicable to any type of turbomixer**, special versions can be built to meet specific customer needs.

### FEATURES

#### VERTICAL COLING VESSEL

- Built entirely of stainless steel as regards the parts in contact with the material, with double jacket for circulation of cooling water.

#### MIXING TOOL

- Made of stainless steel with radial and vertical mixing effects. Designed to optimize distribution of the hot material on the cooling surfaces.

#### SUPPLEMENTARY RING

- To increase the heat exchange surface in the cooler; installed inside the vessel.

#### LID

- Can be supplied in various configurations; it can be opened vertically thanks to a pneumatic cylinder operated lifting system.
- Safety device only allowing the lid to be opened after the mixer has stopped moving.

#### TEMPERATURE CONTROL

- By means of thermocouple located at the side of the mixing vessel to control operating and safety temperatures.

#### DISCHARGE

- Closure plug in stainless steel, adapted to the internal shape of the vessel, operated by a pneumatic cylinder.

| Type     | Total capacity<br>Lt. | Motor power kW |       |
|----------|-----------------------|----------------|-------|
|          |                       | Standard       | Boost |
| RFV 400  | 400                   | 7,5            | 11    |
| RFV 800  | 800                   | 11             | 15    |
| RFV 1000 | 1000                  | 11             | 15    |
| RFV 1600 | 1600                  | 15             | 18    |
| RFV 2000 | 2000                  | 22             | 30    |
| RFV 2500 | 2500                  | 30             | 37    |
| RFV 3600 | 3600                  | 55             | 70    |

NOTE: The data shown in the table are purely indicative and must be confirmed by PLAS MEC.

## DOUBLE DISCHARGE OUTLET

Discharge of material to a second user.



## OPENABLE DISCHARGE OUTLET

Facilitates and reduces cleaning times.



## FILTER SYSTEMS

Self-cleaning filters for powder suction.



## HEAT EXCHANGER FOR COOLING WATER CIRCULATION

Keeps the water supply circuit separate from circulation, avoiding deposit of materials. Recommended when installing closed loop systems under pressure.



## CHOPPERS

Elimination and reduction of any lumps in the mix.



## INSTALLATION ON LOAD CELLS

Used to determine the amount of material in the cooler.



| Dimensions | A    | B    | C    |
|------------|------|------|------|
| RFV 200    | 1200 | 1775 | 1535 |
| RFV 400    | 1500 | 2020 | 1535 |
| RFV 800    | 1710 | 2360 | 1535 |
| RFV 1000   | 1710 | 2360 | 1735 |
| RFV 1500   | 1920 | 2555 | 1785 |
| RFV 1600   | 1920 | 2555 | 1835 |
| RFV 2000   | 2210 | 3000 | 1835 |
| RFV 2500   | 2210 | 3000 | 2005 |
| RFV 3600   | 2465 | 3265 | 2105 |

