



# RCV

## Vertical Cooler

**RCV** Vertical Coolers are used in case of restricted space requirements, where ease of cleaning combined with cooling efficiency are needed. The vertical coolers are built with a double wall construction and a specific water circuit has been designed to accentuate the cooling performance. The internal wall in contact with the material is made of AISI 304. The simple opening of the lid facilitates cleaning.



### PRINCIPLE OF OPERATION

The RCV cooler receives the dry blend from the RCH turbo mixer and brings it to the desired discharge temperature, the geometric capacity of the RCC cooler is sized according to the batch of product to be cooled. In some applications the capacity of the RCC can be increased to contain more batches of product at the same time.



### MAIN FEATURES

#### EASY AND FAST CLEANING

The lid can be supplied in various opening configurations, opening vertical or a "book style" the optional internal cooling ring could be easily extracted for cleaning and maintenance.

#### HIGH PERFORMANCE

The whole range of RCV coolers are designed with a specific cooling circuit, bottom and side are completely cooled. Water circulation is guaranteed up to 3 Bar.

#### MANY SIZES

RCV mixers are available in many sizes to best fit your process requirements and available space (from 400 Lt to 5600 Lt) and for different throughputs (from 200 Kg/h to over 3200 Kg/h).

#### INSTALLATIONS

RCV coolers are always supplied prewired with junction boxes to permit an easy and fast installation.. RCV coolers can be supplied in combination with RCH mixers.

#### CONTROL SYSTEM & INDUSTRY 4.0

All the control systems are state of the art and intellectual property of CACCIA MyX.

The PLC is supplied with OPC/UA protocol embedded, which makes each mixer control ready for industry 4.0. The controls are equipped with a user-friendly HMI touch screen (7"-9"-15,6").

#### AVAILABLE OPTIONS

- Available in ATEX, NEMA UL/CSA versions
- Nitrogen inerting
- Oxygen concentration measurement
- Tyger Cloud Remote control
- JF - Jet Filters
- Cooler Weighing, Load cells

## TECHNICAL DATA



### Configuration

- Several inlets: on request
- Double discharge: on request

### Option

- Close Loop water circulation TCU
- Water chiller available in combination with TCH
- Chopper

### Technical Data

- Motor sizes: from 7,5 kW till over 90 kW
- Inverter and Servo ventilation : on request
- Motor Class standard: IP55
- Motor Efficiency standard: IE 4
- Voltage: 230 - 690 / 3 / 50 – 60 HZ
- Option mid voltage up to: 6.000 Volt

	Sizes	Power kW		A	B	C	Weight
		Standard	Boost	mm	mm	mm	Kg
RCV 400	400	7.5	11	1545	2100	1560	315
RCV 800	800	11	15	1750	2400	1560	620
RCV 1000	1000	11	15	1750	2400	1755	1400
RCV 1600	1600	15	18	2000	2600	1800	1680
RCV 2500	2500	30	37	2300	3100	2000	2500
RCV 3600	3600	45	45	2500	3400	2200	3500
RCV 4600	4600	55	75	3000	3650	2450	4000
RCV 5600	5600	75	90	3500	4000	2700	4500
Special sizes and other configurations are available on request							
NOTE: The data in the table are given merely by way of example and will have to be confirmed by CACCIA MyX							