

Riteva

truly
The ^ Unbeatable Choice



Medica Instrument Manufacturing Company takes pride in launching the newly designed Equitron-ROTEVA Rotary Vacuum Evaporator. A no-compromise performance coupled with a diligent customer support team has enabled Medica in establishing an enviable and discerning user base consisting of a few hundred, in a short period.

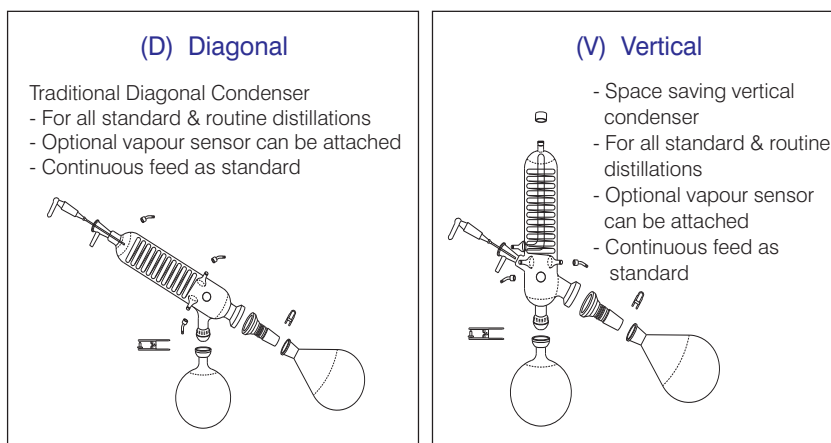
The new Roteva is the outcome of years of manufacturing experience as well as critical feedback from valuable customers. In fact it is the feedback that propels us to constantly work on improving our products as well as adding to its family of accessories.

Along with Rotary Vacuum Evaporator, Medica also manufactures the full range of accessories like PTFE diaphragm type Vacuum Pump, Vacuum Controller, Chilled Water Circulator and glass accessories. This whole family of product enhances the user-friendliness and enables a seamless operation in the lab. The biggest benefit to the user is in terms of unambiguous customer support when the whole family is sourced from a single manufacturer.

The new curved, smooth, compact and flawless design is the result of relentless work of our R&D Team consisting of experts from application, instrumentation, fabrication, glass blowing and design. The distinct advantages being as follows:

- Its low profile design gives confidence and ease in operation.
- Its electronics is advanced and user friendly with better control with feedback.
- Its fabrication encompasses hydraulic pressed items, to deliver a compact footprint in all stainless steel and non corrosive material.
- Glass blowing technology at its best with flawless & interchangeability of parts.
- Smooth flowing design enables a compact footprint and a welcome addition to the laboratory.

CHOICES OF GLASS SETS:



ORDERING INFORMATION

Model	Item
8763.RD0.000	Roteva-Digital with Diagonal Glass Set (D)
8763.RV0.000	Roteva-Digital with Vertical Glass Set (V)

All electrical appliances work on 230V AC, 50Hz, single phase. Other Voltages available on request.
Due to continuous improvement in design, the product supplied may have modified features.



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ROTEVA - TECHNICAL SPECIFICATIONS

Item	Specification	Item	Specification
Heating bath dimensions	Ø 230 x 130 mm	Power supply	230 V, AC, 50 Hz
Volume of heating bath	4 lit. Approx.	Rotation speed	30 to 270 rpm
Bath heater capacity	1200 Watts	Rotation speed display	Yes
Heating bath controller	PID with display for set & actual temp.	Lift	Motorised
Bath temperature range	Ambient + 5 to 180°C	Manual lift (When power fails)	Yes
Temperature accuracy	± 2°C	Height adjustment	170 mm Approx.
Independent safety cutout	@ 190 °C	Flask ejector	Yes
Heating bath material	SS 304	Condenser support	Yes
Min / Max flask size	50 ml / 3000 ml	Foot print	220 cm ²
Cond. cooling area: D, V	1200 cm ²	Glass sets available*	D, V
Environmental conditions (Temp.)	10 to 40 °C	Threaded connectors for utilities	Yes
-	-	Feed stopcock & tube made of	PTFE
-	-	Environmental Conditions (% RH)	Max 80% NC

Note: All the evaporators are supplied with one litre evaporating and receiving flasks as standard.
 *Glass set with Reflux can be offered on request.

VAPOUR TEMPERATURE INDICATOR - OPTIONAL

- ❖ Add on accessory to standard Roteva.
- ❖ Display range 0 to 99°C, LED display.
- ❖ Readability 0.1°C.
- ❖ Self powered from Roteva main unit.
- ❖ Supplied with glass embedded PT-100 sensor with screw cap & PTFE Ferrule.



ROTEVA Optional Accessories Ordering Information

Model	Item	App. Shipping Details Net / Gr. / Volume
#8911.DVS.199	Digital Vapour Temperature indicator with Sensor	- -
#8920.DVC.MBX	Digital Vacuum Controller	4.2 kg / 5.0 kg / 0.02 m ³
#8930.X00.000	Manual Chiller	6 kg / 14 kg / 0.12 m ³
#8502.ROT.000	Refrigerated Chiller	41kg / 65 kg / 0.345 m ³
#9072.005	Vacuum Pump - 5 mbar	13.6 kg / 18 kg / 0.115 m ³
#6990-50	Float Balls Pack (for Water Bath)	- -
#S1002-10	Flask Stand for RB Flask Ø160mm	- -
#8841.CT0.000	Vacuum Trap (Cold trap type) w/SS support rod, clamp & base	6 kg / 8 kg / 0.059 m ³
#8841.CT0.202	Vacuum Trap (Cold trap type) w/SS support rod & clamp for V02 / 020 models	4 kg / 6 kg / 0.059 m ³

Spare Flasks / Glassware Ordering Information

CAPACITY / ITEM	EVAPORATING 'B-29'	RECEIVING FLASK 'S-35'
50 ml	#S1315-05	#S1316-05
100 ml	#S1315-10	#S1316-10
250 ml	#S1315-15	#S1316-15
500 ml	#S1315-20	#S1316-20
1,000 ml	#S1315-25	#S1316-25
2,000 ml	#S1315-30	#S1316-30
3,000 ml	#S1315-35	#S1316-35

ESSENTIAL UTILITIES REQUIRED: • Vacuum Source - preferably with Controller. • Chilled Water Circulation - less than 20°C.
 • Power Source - 230 VAC, 50Hz. Single phase-15A - 2nos.



EQUITRON[®]

Essential Accessories for ROTEVA

Vacuum Pump - PTFE coated diaphragm 5 mbar

- ❖ PTFE coated diaphragm pump, manufactured with German technology.
- ❖ Supplied with solvent trap



#9072.005

EQUITRON[®]

Essential Accessories for ROTEVA

CHILLED WATER CIRCULATOR - 4L

- ❖ *EQUITRON* Chilled Water Circulator is ideal for chilling and condensing operations in Rotary Vacuum Evaporation.
- ❖ Sturdy fabrication with SS top & SS angle structure. Panels in oven baked epoxy coated mild steel.
- ❖ Four sturdy castors for easy manouverability.
- ❖ Hermetically sealed environment friendly CFC free compressor.
- ❖ Built-in coolant reservoir of approximately 4 litres.
- ❖ Built-in pump with capacity of 15 lit/min - at zero head for water.
- ❖ Temperature range upto 0°C.
- ❖ Built in Digital Temperature Controller - 1°C resolution.
- ❖ Supplied with two insulated silicone hose (1 met each) for external circulation.
- ❖ Gross Dimensions : 56 x 41 x 65 cm.



8502.ROT.000

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