



RE20 - EX/FLP & RE - 50 EX/FLP ROTARY EVAPORATOR



PRODUCT DATASHEET

RE20 - EX/FLP & RE - 50 EX/FLP ROTARY EVAPORATOR

Unlock the potential of safe and efficient evaporation/distillation processes with **ADITYA's EX-Proof (ATEX) and Flameproof Rotary Evaporator**. This state-of-the-art device is engineered to meet the latest regulations, offering impeccable performance for industrial applications in the chemical, pharmaceutical, and petrochemical industries.

Key Features:

1. ATEX and Flameproof Certification:

- Complies with ATEX directive 2014/34/EU and IECEx scheme.
- A flameproof enclosure prevents internal explosions from affecting the surrounding atmosphere.

2. Buoyancy System:

- Innovative design for effortless handling of the evaporation flask.
- The motor unit is securely fixed with the shaft, enabling rotation at a 45-degree angle.
- Allows the rotating flask to move up and down in both directions to accommodate diverse contents.

3. Sealing System:

- The mechanical sealing system handles high-boiling solvents with ease.
- Specially designed PTFE compound and borosilicate glass ensure long-term stability.
- Achieves an ultimate vacuum value of better than 1 mbar even under empty conditions.

ADITYA's EX-Proof (ATEX) and Flameproof Pilot Rotary Evaporator is your go-to solution for industrial evaporation/distillation processes. With cutting-edge features, this device offers unmatched flexibility, reliability, and safety, ensuring optimal performance in demanding industrial environments. Elevate your processes with ADITYA's commitment to excellence in every detail.



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Specifications

TECHNICAL DATA	RE20 EX/FLP ROTARY EVAPORATOR	RE50 EX/FLP ROTARY EVAPORATOR
Control Unit		
Operating Voltage (control unit)	230 V 50/60 Hz	230 V 50/60 Hz
Vacuum valve (system)	Yes	Yes
Aerating valve (system)	Yes	Yes
Vacuum sensor	Yes	Yes
Automatic vacuum control mode	Yes (Digital Vacuum Controller)	Yes (Digital Vacuum Controller)
Vapour tem	Yes	Yes
Body		
Dimensions (LxDxH)	1120x750x1250	1400x900x1250 [Approx. Size]
Reflux system	Yes	Yes
Condenser Cooling Area	1.2 sqm	1.2 sqm
Distillate flask	20L X 1 No.	50L X 1 No.
Receiver Flask	10L X 1 No.	20L X 1 No.
Flask neck	Large core diameter (standard 120 mm)	Large core diameter (standard 120 mm)
Motor Unit		
Rotating Speed	120 rpm	120 rpm
Electronic speed control	Yes	Yes
Electronic load control	Yes	Yes
Temperature safety switch	Yes	Yes
Slow acceleration mode	Yes	Yes



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TECHNICAL DATA	RE20 EX/FLP ROTARY EVAPORATOR	RE50 EX/FLP ROTARY EVAPORATOR
Bath		
Operating Voltage (bath)	440V / Three Phase	440V / Three Phase
Heating element	4 KW	8 KW
MOC of heating bath	Stainless steel	Stainless steel
Heating Bath	Insulated	Insulated
Heating Bath temp Range	20-100°C (option 20-180°C)	20-100°C (option 20-180°C)
Over temperature limiter (heating element)	Yes	Yes
Adjustable over temperature thermostat)	Yes	Yes
Electronic temperature thermostat	Yes	Yes
Sealing System		
Sealing system vacuum stability	Ultimate vacuum <small>(system empty)</small> better than 1 mbar	Ultimate vacuum <small>(system empty)</small> better than 1 mbar
Life expectancy (sealing system)	Approx. 20,000 running hours.	Approx. 20,000 running hours.
Warranty (sealing system)	3 years	3 years

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