



Elmasolvex® RM - Automatic

Multiple-chamber technology for solvent and aqueous cleaning. TÜV-certified Ex-protection.



Elmasolvex® RM with wide range of accessories

Can proven technology be improved?

- TÜV-certified Ex-protection.
- Now with 4 cleaning chambers and one drying chamber (fine filter warm air technology).
- Completely automatic or alternatively with individually configurable parameters.
- Service-friendly and easy-to-care for design.
- Maximum personnel safety due to connection of the machine to controlled exhaust air routing.
- Basket frame for three baskets, optional holder for movements.
- Wide range of practical accessories; see accessories catalogue.

Process:

Rotation and oscillation process

Solvent cleaning:

flashpoint ≥ 23 °C; e.g. elma wf, 3 x elma suprol pro, drying

Semi-aqueous combination process:

e.g. elma 1:9, demineralised water, 2 x elma suprol pro, drying

Processes and media



Oscillation



Rotation



Solvent



Aqueous



64 mm
baskets



Filling and inserting media containers



Inserting basket with watch parts



Connection to controlled exhaust air routing



Starting program

elma wf pro and elma suprol pro

Cleaning and rinsing solutions. Reformulated, optimised for watch movement cleaning with ultrasound.

In addition to the requirements for optimum cleaning, the cleaning and rinsing solutions must also satisfy the requirements for environmental compatibility and proper disposal.

The reformulated „elma wf pro“ and „elma suprol pro“ characteristics for cleaning, deoxidation, rinsing and fast redrying have been optimised and thus have improved action and stability.

elma wf pro cleaning solution

- Stable microemulsion, particularly with regard to heating caused by ultrasound, entrainment of moisture and effects caused by vacuum.
No milky or unwanted precipitation even after long usage.
- Optimised for ultrasonic cleaning.
- Tried and tested in vacuum cleaning.
- Strong deoxidising action and clear brightening for non-ferrous and precious metal alloys.
- Removes even highly resinified oils.
- Very high stability for water absorption with respect to humidity in tropical and subtropical climates or in the case of moisture traces on the parts to be cleaned.
- The moisture is removed from the workpieces. They are absolutely free of water after the cleaning and rinsing.

elma suprol pro rinsing solution

- New formula.
- Rinses off all residues of cleaning solution and removed contamination.
- Excellent distribution characteristics, fast drying.

Container sizes: 2.5 L, 10 L, 25 L • Refer to the safety data sheet for transport specifications and disposal instructions.



Technical Data	Elmasolvex VA	Elmasolvex RM	Elmasolvex SE
Dimensions and weights			
Machine external dimensions (mm)	Ø 600 mm, H 610 mm	WxDxH: 515 x 542 x 650 mm	WxDxH: 502 x 516 x 650 mm
Weight including media containers (kg)	39	28	19
Media container capacity / number of media containers	2.5 litre / 4	0.6 litre / 4	0.6 litre / 4
Cleaning basket diameter (mm)	80 or 64	64	64
Exhaust air connection	2x DN 6 mm (passive)	DN75 (passive) and R1" (active)	DN75 (passive)
Operating noise sound pressure level (LpAU)	< 70 dB		
Electrical Data			
Mains voltage variant (V AC / Hz)		230/50/60 or 115/60 or 100/50/60	
Total maximum power consumption (W)	220	260	260
Power consumption in standby (W)	20	5	10
Ambient temperature max. (°C)	30	30	30
Operation			
Number of programs	7 fixed, 13 freely definable	2 freely definable	1 freely definable
Ultrasound			
Switchable ultrasound frequencies (kHz)	40 / 80	-	-
Effective ultrasound power (W)	50, can be regulated 30% to 100%	-	-
Usable ultrasound	all process steps (cleaning, rinsing)	-	-
Cleaning media	Solvent	Solvent, aqueous	Solvent, aqueous
Rotation speed range in cleaning / rinsing mode (rpm)	1 to 20	visually adjustable	visually adjustable
Frequency rate oscillation/vibration (1/s)	1–14	visually adjustable	-
Deflection oscillation/vibration mode (°)	1–60	visually adjustable	-
Spinning speed range freely adjustable up to max. (rpm)	1400	1200	1200
Drying process	Vacuum, heater-supported	Warm air	Warm air
Accessories			
Individual basket external dimensions D/H (mm)	80/10 and 64/12	64/12	64/12
Number of individual baskets in the basket holder	5 or 3	3	3
Cleaning basket load capacity (all individual baskets together) max. (g)	100 or 60	60	60
Movement holder for partially dismantled movements max. capacity	12	6	6
Activated carbons unit	passive	active	active



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