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EL3-*pm*: Mixer with process monitoring

Our well-known mixer EL3 was first produced in 1986 and since then has been developed continuously to the requirements of our customers. Now we have totally redesigned and improved the mixer EL3 and changed its reference number to EL3-*pm*.

The newly developed control panel with touch pad is much easier to operate. A computer interface for data-logging is standard. Also the heating and pressure control system is integrated in every lab mixer. The mixer itself is improved regarding the pressure characteristics. The homogenizer motor is now smaller and much more stable than before. The new lid is designed according to the GMP guidelines. All parts can be removed easily and the whole lid is dead space free. Additionally, the lid can be adapted now much better to the individual requirements of the customer because of an optimized arrangement of all components. What has not changed is the broad application range of this mixer, the absolute homogenous mixing result and the easy cleaning process.

Options:

- Software for data-logging
- Dead space free bottom outlet
- Piston valves, sampling valves
- Ph- and torque control
- Factory Acceptance Test, IQ/OQ
- Double jacket vessel in glass
- Vacuum pump
- Heating/cooling system

EL3: Of course our well known mixer EL3 with standard equipment is also produced in future. The vessel is available in glass or stainless steel.



EL3-*pm*: PM stands for „professional mixing“ and „process monitoring“.

Technical data of EL3-*pm*:

Total volume:	4200ml
Net volume:	3000ml
Material:	1.4435
Double jacket vessel:	yes
Temperature control:	yes
Vacuum control:	yes (-1/+4 bar)
Scraper:	300 RPM
Power:	175 W, i=12,25
Homogenizer:	20'000 RPM
Motor of homogenizer:	fremdbelüftet
Power:	500 Watt
Voltage:	240
Dimension in cm:	~ 110 x 70 x 35
Weight in kg:	~ 60kg
Interface:	RS-232, USB adapter
Seals:	Viton, others on request
Connections on lid:	Tri-Clamp

For more information about batch mixers for research and production, jet mills for grinding and dead space free sampling valves of ESCO-Labor visit our website www.escolabor.com.