

Press release
No. 045/2019

Powerful, economic and fast-loading – the new PLW 86 large-chamber lab washer from Miele

- ▶ Machine with a wealth of innovative features
- ▶ Variable-speed circulation pump and three-colour chamber lighting

Gütersloh/Hanover, May 21, 2019. – The new generation of large-chamber lab washers promises significant productivity gains. Innovative components, such as a variable-speed circulation pump which reduces consumption and the new EasyLoad system ensuring particularly fast and convenient loading, are instrumental in achieving this.

The new lab washers offer 50% greater pump capacity than models from the previous generation and hence guarantee top-class cleaning results – even when faced with challenging soils. In combination with optimised programmes, laboratory glassware is given the gentlest of treatment in the process.

With its new model series, Miele is introducing innovative concepts aimed at noticeably increasing economic benefits. One core element of this clear focus on efficient processes is a circulation pump which adjusts pump speed to the requirements of the various programme stages. During the main wash, the pump's full power is called on, but later reduced once again in the rinse cycle. This is accompanied by a reduction in water consumption. So compared with previously available models, depending on the model and the nature of the load, cuts in consumption of up to 27% (water) and almost 30% (chemicals) are possible.

Economical and efficient

A further boost to savings: On all models, clean and fully demineralised water from the final rinse can be piped back into a tank for re-use in the next cycle along – either for the main wash and/or an intermediate rinse cycle. Even greater efficiency results from pre-heating water for the final rinse: When needed, the water is ready and waiting at the start of the appropriate programme phase, shortening the cycle time accordingly.

These 115 cm wide units (PLW 8617) offer two separate tanks, each with a volume of 30 l, for recycling and pre-heating. Both models, the PLW 8615 and the PLW 8616, are only 90 cm wide and combine both functions in a single combi tank. These narrow-build units offer a chamber capacity of 351 l as well as space for process chemicals, hot-air drying and a steam condenser.

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Greater capacity and simpler loading

In combination with the new and modular EasyLoad system, all model versions offer a considerable increase in capacity compared with predecessor models – in the case of lab bottles with a volume of 2 l, the capacity is even doubled. The combination of just a few standard baskets and modules guarantees maximum flexibility in accommodating a wide range of different types of laboratory glassware. Moreover, this system makes loading faster and simpler than ever before. Laboratory glassware is automatically correctly positioned in the load carrier, and newly developed injector nozzles guarantee thorough internal cleaning of glasses of different shapes and sizes: from test tubes to large Erlenmeyer flasks and large-capacity measuring cylinders and bottles.

Further assistance in daily work is provided by the intuitive colour touch display which presents all key functions at a glance. In addition, the user is able to see the status of the machine simply by looking at the three-colour chamber lighting which is easily visible from a distance.

Proven safety functions are also on board the new generation of models: Spray arm sensing detects operating errors which may impede the rotation of spray arms. This system also ensures that the speed of rotation is within a pre-defined range in order to guarantee good reprocessing results. The conductivity sensor detects unwanted substances in the rinse water and guarantees laboratory glassware which is suitable for analytical experiments, if required, by automatically adding rinse cycles to ensure the requisite levels of purity.

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Company profile: Miele is the world's leading manufacturer of premium domestic appliances including cooking, baking and steam-cooking appliances, refrigeration products, coffee makers, dishwashers and laundry and floor care products. This line-up is augmented by dishwashers, washer-extractors and tumble dryers for commercial use as well as washer-disinfectors and sterilisers for use in medical and laboratory applications (Professional Business Unit). The Miele company, founded in 1899, has eight production plants in Germany as well as one plant each in Austria, the Czech Republic, China and Romania. These are joined by the two plants belonging to Miele's Italian medical technology subsidiary Steelco. 2017/18 turnover amounted to approx. EUR 4.1 bn, with sales outside Germany accounting for 70%. Miele is represented with its own sales subsidiaries and via importers in almost 100 countries. Throughout the world, the family-run enterprise, now in its fourth generation, employs a workforce of around 20,100, whereof 11,200 are employed in Germany. The company headquarters are located in Gütersloh/Westphalia, Germany.

There are three photographs with this text



Photo 1: Simple loading with EasyLoad system: Load items are correctly positioned automatically in the new large-chamber lab washers from Miele. (Photo: Miele)



Photo 2: The wash chamber is immersed in either white, green or red light, visible through the all-glass door and indicating whether a cycle is finished or not. Green tells users that the machine can be unloaded. (Photo: Miele)



Photo 3: Compared with the previous series, the capacity of the new lab washers has increased significantly – it has even doubled in the case of 2 l lab bottles. (Photo: Miele)

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