

New applications require new equipment.

This is why a new family of pump units de-

signed for the PFT RITMO mixing pump

has been added to the PFT range of rotors

and stators.



A New Pump Family for the PFT RITMO

Since the launch of the PFT RITMO mixing pump, the number of satisfied users and, as a result, the variety of applications has continuously increased.

A new and important field of use of the PFT RITMO mixing pump is the application of smoothing compounds and thin coatings.

For optimal efficiency in standard applications, pumping capacities of approx. 3–6 l/min, depending on the material and especially on the layer thickness, are needed.

The standard pump unit of the PFT RITMO, the B 4–1.5 L, features a volumetric flow rate of approx. 10.2 l/min at 400 rpm. This pumping capacity is too high for the application of smoothing compounds or thin coatings. Therefore, PFT has developed pump units featuring reduced flow rates: the A-pump family.

This family includes the two pump units A 2–2.5 L and A 3–2 L. The “small” pumps have capacities of approx. 2.1 l/min at 400 rpm (A 2–2.5 L) and approx. 4.3 l/min at 400 rpm (A 3–2 L).

Advantage: Frequency Converter

The frequency converter integrated in the PFT RITMO mixing pump permits a continuous control of the pump drive and makes the machine extremely variable.

Thanks to this method of speed control, the conveying capacity for the mixing of powder material can be varied between approx. 2 and 14 l/min, depending on the pump unit used. The capacity can even be reduced to less than 1 l/min for ready-mixed materials, e.g. paints or smoothing compounds.

Long Service Life Thanks to High-Quality Materials

As for all PFT pumps, the tried and tested PFT rubber mixture, whose wear characteristics have been optimised in the course of decades, is also used for the stators of the B- and A-pumps.

The range of PFT RITMO rotors: The B 4–1.5 L rotors in chilled cast iron and stainless steel and the two stainless steel A- pump rotors.

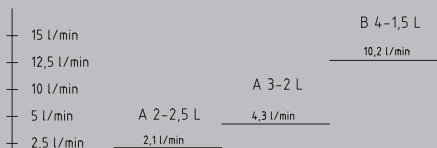


The PFT rotors are standardly made of chilled cast iron with a high content of chromium carbides (quality: W7S). The new feature of the B- and A pumps is the fact that the basic body of the rotor is made of stainless steel (1.4301) and its surface is coated with hard chromium. This optimises the wear resistance of the rotor and ensures a long service life. At the request of PFT's customers, the standard rotor B 4–1.5 L will be offered in both stainless steel and standard W7S quality.

Since innovations and continual improvements are part of PFT's corporate philosophy, further pump versions tailored to specific applications will follow. ■



The pump unit B 4–1.5 L, complete with flange, is standardly included in the basic equipment of the PFT RITMO mixing pump.



This chart shows the reduced volumetric flow rates of the new A pumps.