

RELIABLE PERFORMANCE IN FILTERING SYSTEMS



THE MTA RANGE IMMERSIBLE PUMPS FOR FILTERING SYSTEMS

Grundfos' MTA range of single-stage immersible pumps has been designed especially for filtering systems in the machine tool industry. The low-pressure pumps are available in 9 different flow variants and come with a choice of bottom suction or suction from the top of the volute.

Multiple applications

The compact MTA pumps efficiently transport liquid containing chips, fibres and abrasive particles on to the filtering unit. Semi-open impellers allow the passing of chips up to 10 mm, making the pumps ideal for removing liquid from any machining process – from boring and milling to grinding.

High-quality materials

Carefully chosen materials ensure trouble-free operation and long life. The top of the pump is made of cast iron, while the impeller is available in composite or bronze. Composite is used in MTA pumps with flow up to 300 l/min. In the bigger pumps with higher flow the impellers are made of bronze to ensure perfect resistance to e.g. metal chips. As the pumped

liquid will always contain oil there is no risk of corrosion.

Easy installation

Easy installation is another of the benefits of the MTA pumps. The tank-mounting flange dimensions have been carefully designed to ensure that even replacements of competing products can be carried out without any inconvenience. No special tools are required for the installation of the MTA pumps – just as the entire range is easily serviced and cleaned.

Full-line supplier

In addition to the MTA range for filtering systems, Grundfos offers a wide range of pumps for the cooling and cleaning of tools inside the machine. This allows our customers the benefit of convenient and time-saving one-stop shopping.

TECHNICAL DATA

| Description | Motor size | Immersible length | | | | | | Suction type | | Pipe connection |
|-------------|------------|-------------------|-----|-----|-----|-----|-----|--------------|-----|-----------------|
| | | 130 | 150 | 180 | 250 | 280 | 350 | Bottom | Top | |
| MTA30 | 100 | | X | | | | | X | X | 1/2" |
| MTA60 | 180 | X | | X | X | | X | X | X | 3/4" |
| MTA90 | 250 | X | | X | X | | X | X | X | 3/4" |
| MTA120 | 400 | | | X | X | X | X | X | X | 1 1/4" |
| MTA200 | 750 | | | | X | X | X | X | | 1 1/2" |
| MTA20H | 100 | | X | | | | | | X | 1/2" |
| MTA40H | 180 | | | X | | | | | X | 3/4" |
| MTA70H | 250 | | | | X | | | | X | 3/4" |
| MTA100H | 400 | | | | | X | | | X | 1" |

Voltage variants 3x230/400V 50/60Hz
3x200/346V 50/60Hz
3x230/460V 60Hz



MTA FEATURES AND BENEFITS

High-efficiency motor and hydraulic

Low operational costs

Long bearing lifetime

Maintenance-free

No shaft seal

Prevents leakages

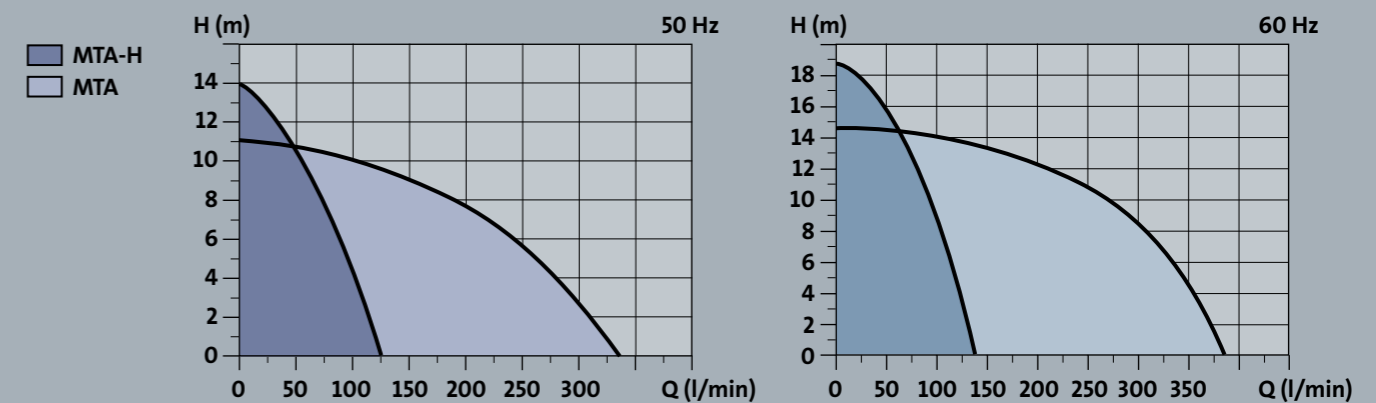
Bottom or top suction

Suction option for different demands

Semi-open impeller

Ensures free passage of solids and chips

PERFORMANCE CURVES



The MTA range - part of the Grundfos portfolio

The single-stage immersible pumps that make up the Grundfos MTA range represent the low pressure area in the machine tool applications. With their semi-open impellers they are capable of pumping liquids containing solids, fibres and chips.

Applications:

- Boring
- Sawing
- Milling
- Cooling
- Grinding

Explore the impressive Grundfos portfolio
at www.grundfos.com

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