

# GRUNDFOS MTR PUMPS

CUT PART COSTS WITH A  
COMPLETELY LEAK-FREE PUMP

Leak-free pumps are a top priority in any machining process. Leaking pumps may lead to costly downtime and in turn affect part cost. However, the new MTR DBT pump effectively eliminates that risk.

DBT stands for “Drainage Back to Tank”. This means that the liquid remains in the tank where it is supposed to be – even if the shaft seal is worn out and starts to leak. In addition to being leak-free,

the new MTR DBT pump features an innovative frequency drive motor that reduces energy consumption to further cut part costs.

#### Benefits:

- Downtime risk due to leakage is eliminated
- No risk of contamination
- Longer service intervals
- Reduction of part costs

# MTR standard range in details

The MTR pump is specifically designed for use in machining and filtration processes, but will also benefit other applications, including part washing, temperature control units or anywhere where a tank mounted pump is required.

### Shaft seal

- Wide range of materials, configurations, and designs
- Seals handling high temperatures, high pressure and difficult liquids

### Connections

- Flange connection with Rp thread is standard configuration
- G-thread and NPT thread are available
- Easy installation and replacement

### Hydraulic

- High efficiency
- Laser-welded plated stainless steel impeller and chamber
- Minimal internal leakage due to the unique seal ring system
- Priming screw secures optimum duty point at low water level
- Bearing system in Sic/Sic material

### Motor options

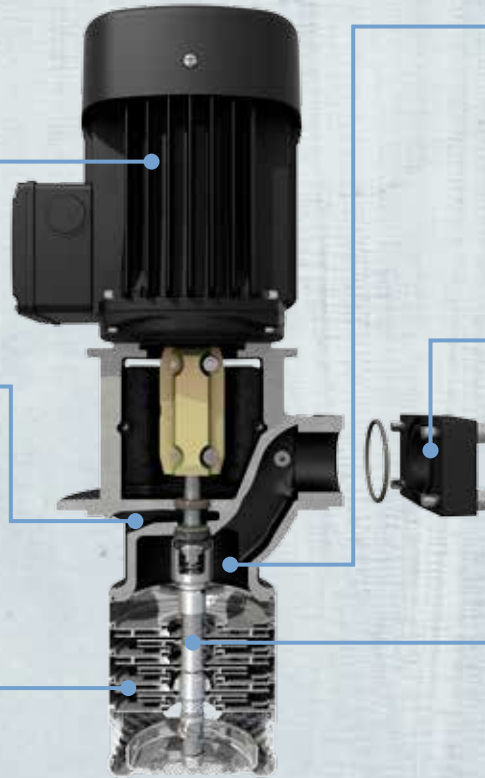
- All global voltages
- 50/60 Hz frequency
- Complies with all local regulations
- Integrated frequency converter
- High-efficient motors IE3/IE4

### New features

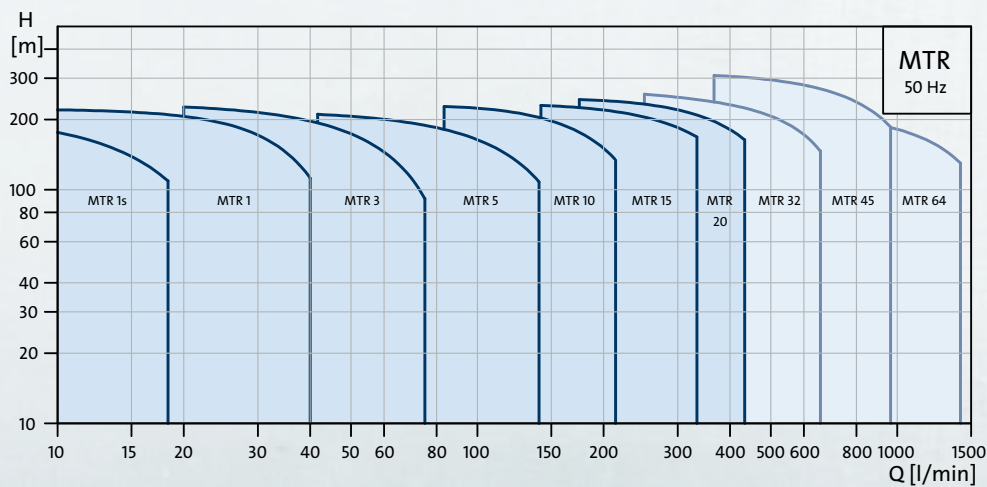
- Drainage back to tank (DBT)
- Non-sticking solution
- Leak-free

### Pump variants

- Pump modules available in stainless steel
- Different lengths for specific tank dimensions
- Suction pipe for special filter modules
- Variants available for horizontal mounting



## Performance range, MTR, 50 Hz



MTR DBT range is: MTR 1s, MTR 1, MTR 3, MTR 5, MTR 10, MTR 15 and MTR 20