

GRUNDFOS MTR PUMPS

CUT PART COSTS WITH A
COMPLETELY LEAKAGE-FREE PUMP

Leakage-free pumps are a top priority in any machining process. Leaking pumps may lead to costly downtime and in turn influence the part cost. But with the new MTR DBT pump, that risk is efficiently eliminated.

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 leakage-free,

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

Benefits:

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

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MTR standard range in more 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.

Motor options

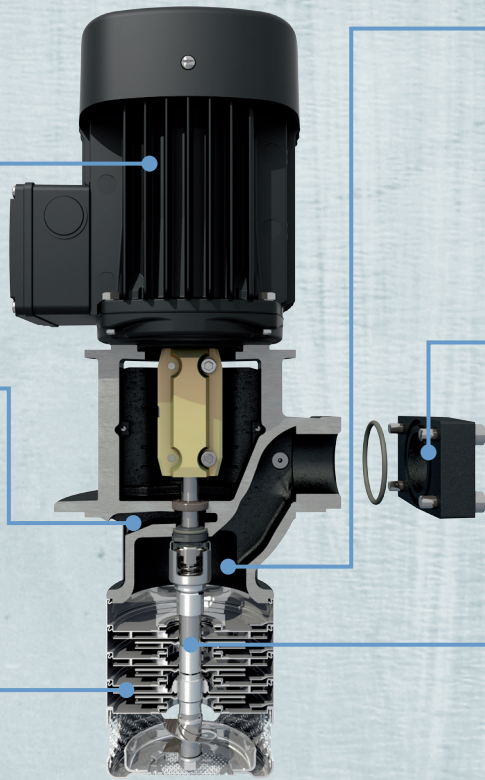
- All global voltages
- 50/60 Hz frequency
- Fulfil all local legislations
- Integrated frequency converter
- High efficient motors IE3/IE4

New features

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

Pump variants

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



Shaft seal

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

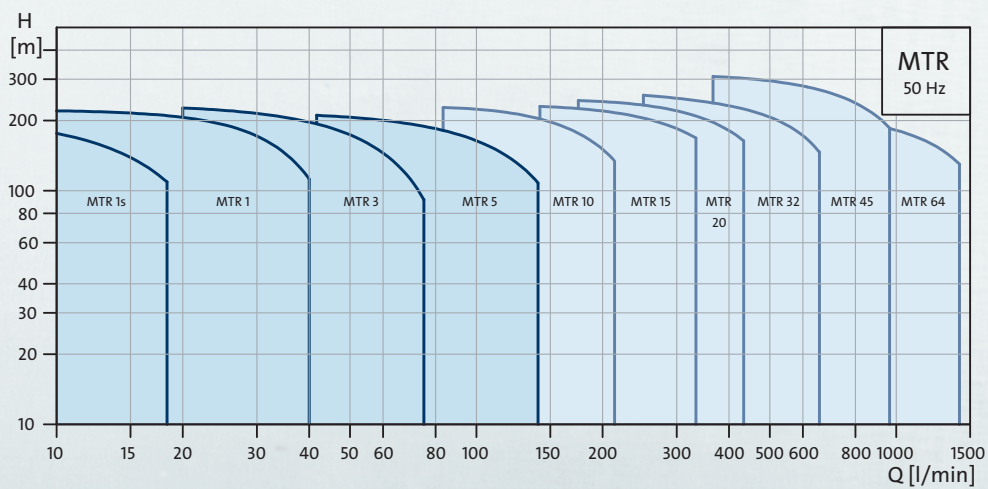
Connections

- 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

Performance range, MTR, 50 Hz



MTR DBT range is: MTR 1s, MTR 1, MTR 3 and MTR 5

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