**2.2.2 SUBMERSIBLE PUPMS FOR WASTEWATER OF THE MF TYPE**

The distinguishing feature of the MF pump is a vortex impeller and a wide large size channel for the free passage of solid inclusions. This compact, resistant pump has a sealed, fully protected against leakage iron engine and a hydraulic part.

**AREA OF APPLICATION**

Submersible pumps of the MF type are used to solve problems related to water discharge inside and outside building

• filling and emptying of the tanks used for drainage of flooded cellars and transport of storm water

• suitable for installation in septic tanks as well as for pumping out wastewater, accumulating below the sewage and transporting them to the sewer in accordance with the EN 12056 standard

• a special modification MF-VO equipped with a diverter knee, coupling for sleeves and mesh filter, which protects a pump from clogging (modification MF-VO can be supplied for MF 354, MF 504 and MF 804 models) was developed to drain building sites, ditches and other flooded places

• Vortex impeller allows to pump liquids with gaseous and abrasive inclusions

• compact pump design, ease mounting and a small size of the required settler provide fast and economical installation

• efficient mounting

• the maximum acceptable temperature for pumping fluid: 40°С for continuous operation and 60°С for short-term operation (no more than 5 minutes)

**TECHNICAL SPECIFICATION**

• capacity – up to 58 m3/h

• head – up to 16m

• temperature – up to +40°С or up to +60°С during a short period (no more than 5 minutes)

**OPTIONS**

• control of temperature and vibration

• flushing of the neck ring

**ADVANTAGES**

• versions with automatic level control function or without it

• passage level of solid fractions from 20 to 60 mm

• 3 or 10m cable

• compact form, providing ease mounting and small requirements to the well, allows a quick and cost-effective installation

• pumps are available with some additions, including the shield, angled nozzle and hose coupling in order to be used in a construction site