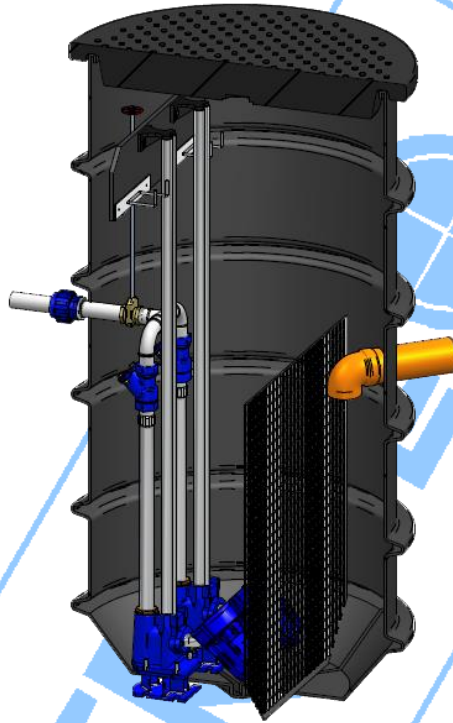


HIDRO H

Unattended, multifunctional pumping stations

HA-FT
double-pump technology



Unattended operation is provided.

The multifunctional, phase-separating, double-pump system ensures a more advanced and safer technology in conveying sewage. The built-in phase-separator protects against the channel-foreign materials. Human intervention need is reduced to minimum. At the double-pump construction the pumps are started alternately at lower water level, and they are operated simultaneously at higher water level. At installing two pumps simultaneously one of them is at disposal as a reserve. The blender-shredder unit looks to the bottom of the sewage room. The hydraulic unit is placed at the top. The sewage is blended at the lower part, and it is pumped at the upper part, so the floating-up materials (greases, oils,...) in the shaft are conveyed away continuously, they can not accumulate. The sewage can be kept fresh during the conveying. The multifunctional pump blends the sediment, homogenizes, skims the floating-up materials. The sedimentation and clogging of the greases and other materials can be avoided. The channel-foreign organic matters are discharged through the grid because of the strong blending effect of the multifunctional pump. The frequency of blending and aeration can be assured in regular periods, independently from the sewage-inflow. The multifunctional pump is controlled by a timing program adjustable according to the demands. The shredding of the lumpy, fibrous materials is made by deterioration in an indirect way, that is why: the shredding power requirement is smaller, the processes are softer, it is less sensible for the abrasive materials, a significant lifetime increase can be achieved.

Because of the sewage convey from above: the risk of clogging or getting stuck is reduced, the dry run of the pump is excluded.