SPECIAL AUTOMATIC WATER SAMPLERS

DUO SAMPler

DUO SAMPLer water sampler provides two independent sampling systems, including control electronics. These samplers can be equipped with SIMPLY SAMPler or SOFT SAMPler control electronics and made in stationary and portable (mobile) versions.

The sampler can be used for synchronized sampling (controlled from a single control unit) from two sewers or two depths, while samples can be blended in a single container or stored separately. Each sampling system can be controlled independently, offering numerous options in sewer water quality monitoring. The sampler features are identical with standard devices.

SLUDGE SAMPler

SLUDGE SAMPler is designed for sludge sampling from pressure pipelines (up to 6 bar). Sample taking, including blowing of the supply pipe, is done by compressed air. (Air compressor is not included). Sample taking begins with pressurizing the sampling system to higher pressure than the pipeline and the detection of any leakage. The supply valve is then opened and the overpressure in the system cleans the supply pipeline. The sediment flow into the sampling chamber is controlled by expansion receptacle. Once the pressures in the system have been balanced, the compressor pressure pushes the excess sample volume back to the pipeline and the supply valve is closed. In the final stage, the sample is drained into the sampling container. Samples can be taken in regular time intervals or upon impulses from flowmeter after a defined amount of sediment has flown through.

SPECIAL AUTOMATIC WATER SAMPLERS

PISTON SAMPler

The PISTON SAMPler sampling system is designed for water sampling from pressure piping. The sampling system consists of a piston that slides into the piping profile via a fitting. During the back stroke it pulls the sample from the piping in the chamber and releases it in the sample container. The system is driven by pressured air.

FLOW SAMPler

Automatic sampler FLOW SAMPler is designed for sampling from low-pressure pipelines enabling draining of water flowing through the sampler to the drainage. The sampler uses the principle of flow switch – between sample taking the water flows through the sampler system, while during sample taking the flow is "switched" to the sampling container, where the sample is measured and the "switch" is returned to its initial flow position. Samples in the preset volume of 50 - 500ml are discharged directly, or via splitter to the cooling or freezing box. Samples are taken upon commands from superior system, or according to program set in the sampler controller. The microprocessor controller is controlled via backlight display. Its memory logs all operational data. Inputs and outputs are prepared to be connected with the control system.