

# ibos®

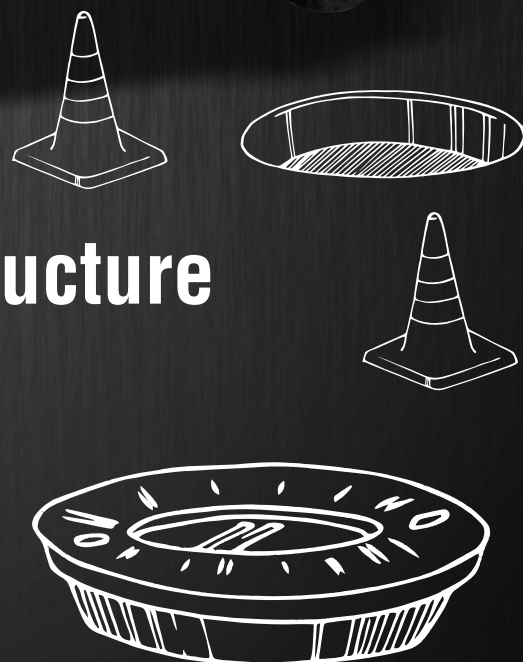
KANALIZAČNÍ TECHNIKA



## Sewer cleaning superstructure with WATER RECYCLING

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## Sewer cleaning superstructure with WATER RECYCLING

Company IBOS a.s. introduced on market already **second generation of Czech sewer cleaning superstructure with WATER RECYCLING**. The system is made of stainless steel and is proofed against pressure and underpressure. The size of gaps by the coarse filter system is 350 µm, the fine filter hydrocyclones reach the final filtration up to 100 µm. The system is built on simple use and maximal efficiency by low operating and service costs. Important advantage is possibility to close the coarse filter with hydraulic lid and totally put the recycling system out of operation. In that way, work with strongly polluted waste can be done.

### Advantages:

- Usage of three piston pump, which enables water cleaning up to 200 micrones. Thanks to good cleaned water it is possible to achieve financial and spare parts savings
- Usage of blower for vacuum simplify the whole system and leads to weight reduction. Thanks to this there is no need to make frequent service on the equipment, which leads to costs lowering
- The system is equipped with cassette system developed by company IBOS, including help arm with compactly placed high-pressure reel. The simplicity of the system reduces costs for service and for the spare parts.

### Recycling is realized in eight steps:

- 1. Step** – sediment intake into sediment chamber by using vacuum pump.
- 2. Step** – partition of sediment chamber with coarse filter, which separates coarse particles.
- 3. Step** – coarse filter hydraulically driven cylinder with continuous cleaning and high-pressure cleaning. Aperture size is 350 micrones.
- 4. Step** – pump – hydraulically driven with rotary pistons, which push precleaned water into cyclone.
- 5. Step** – cyclone – hydrocyclones composition with easy cleaning and high performance.
- 6. Step** – cleaned water with max. grain size 100 micrones flows from cyclone into water chamber of the tank.
- 7. Step** – intake piping of high-pressure pump is placed ca. 300 mm from the tank bottom, which protects the system against suction of the sediment from bottom of the tank. High-pressure pump blows the water into big or small hose or into coarse filter of 3. phase of recycling.
- 8. Step** – monitoring of clean water level, which is placed outside of the tank. In that way it is protected and the lifetime is so significantly extended.



The superstructure can be controlled with the controlling panel with 9" colour intuitive display or radio remote control AUTEK.

The installation is made on the chassis according to customer's requirements.

Example – installation on the chassis 6x4, which confirms the compactness of the whole system, it's low weight and height.

- tank volume 11 m<sup>3</sup>
- weight of the vehicle 18,5 tons
- height of the vehicle to 3,5 m
- length of the vehicle to 8,5 m