

Tender text Swivel Jet Cleaner SSR-A2-150

Fully submersible swivel jet cleaner with boulders filter and hinged, gas-tight stainless steel cover

Fully automatic cleaning and flow generation in stormwater basins to ensure the long-term operation of the plant

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| Manufacturer: | IUT GmbH |
| Typ: | SSR-A2-150 |
| Art. Nr.: | 101100 |
| Material: | Stainless steel A2-1.4301 |
| Filter: | Integrated boulders filter |
| Circulation power | Up to 300m ³ /h |
| Rated power: | 4,9 – 22 kW |
| Swivel range : | Stepless up to 280° by adjustable limit switches |

Product description:

Swivel jet cleaner based on the injector principle for efficient cleaning and flow generation in stormwater tanks of any design. The special design of the stainless steel hood creates an air bubble inside the housing. This means that the swivel jet cleaner is fully submersible, as the internally installed branded swivel motor does not come into contact with liquids and is therefore reliably protected from contamination. This guarantees full performance as well as low-maintenance and long-lasting use. The flanged, insulated stainless steel swivel joint can be adjusted manually. Special high-performance Teflon seal packings ensure reliable and low-wear rotary movements. A swivel range of up to 280° can be achieved using adjustable limit switches.

Position feedback is analog via a control signal of either 4-20 mA or 0-10 V. The entire stand construction and the jet pipe are made of high-quality 1.4301 stainless steel (or A2 if needed).

The swivel jet cleaners work on the principle of the water jet pump. A pump delivers a volume flow into the jet pipe. The air is added to the water in the area of the air intake pipe and is emitted horizontally from the jet pipe at high speed. This creates a flow which keeps the particles contained in the medium and prevents them from settling on the bottom. The suspended solids are reliably flushed out of the basin during the emptying phase. Due to the supplied air, the swivel jet cleaners also have an aeration function. This prevents unpleasant odors and the formation of rot.

The individual components of the jet pipe are bolted together via flanges. The swivel jet cleaner is also equipped with a boulders filter. This serves as a pre-filter for debris and solids and reduces clogging of the injector nozzle, as well as minimizing wear on the flow-conducting components. The built-in injector nozzle is removable and can therefore be cleaned if necessary. The vertical air intake pipe is flanged and available in several parts.

Scope of delivery:

- Swivel Jet Cleaner as described
- AUMA part-turn actuator, EX version according to ATEX, protection class IP68 mounted with end position monitoring, analog position feedback - position feedback 4-20 mA/0-10 V (4-wire version), electrical connection on site
- Airtight electrical, pre-wired, clearly defined interface as a transfer point between control unit and cleaner
- DN 150 jet pipe with divisible DN 50 air intake pipe
- incl. mounting and sealing material
- Pump foot DN 150/180° for installing the pump directly or separately (pipeline available as an accessory)