

LUXON AZUD

LDB

Automatic hydraulic screen filters suitable for all applications, and available in a wide range of micron sizes, all with the same high quality guarantee of AZUD.



ADVANTAGES

- ✓ **Energy Efficient:** The consumption of water in the flushing cycle is minimal.
- ✓ **Wide selection of screens:** Screens available from 10 to 1000 micron (INOX), 80 to 1000 micron (PVC).
- ✓ **Versatility:** Inlet/Outlet from 2" to 20" // 50 to 500 mm.
- ✓ **Resistance:** Temperature to 60°C (140° F).
- ✓ **Large screen area:** Up to 21300 cm² (3300 in²).
- ✓ **Resistant material:** The screen is made in stainless steel of high quality resistant to corrosion.
- ✓ **Time saving:** The filtration process and the flushing cycle occur simultaneously.
- ✓ **Easy installation:** The filters are delivered to be installed.

There are solutions available for working with pressures higher than 1 bar / 145 psi or saline water. Control unit is included.

TECHNOLOGY

AZUD LUXON filters continue to supply filtered water without interruption during the flushing cycle.

The water flows through the inlet (1) and enters the inside of the filter element.

The water then passes through the screen (2), and the particles are retained on the inside of the filter element (screen). The filtered water then flows out through the outlet (3).

When the pressure differential from inlet to

outlet of the filter reaches the pre-selected level the flushing cycle starts (ΔP).

A hydraulic valve opens in the drain port, which initiates suction in the inner nozzles (4). This, along with the helical movement up and down the screen sucks the captured particles into the waste flow, and this is expelled out the drain port. (5)

The length of the flush cycle is pre-determined by the control unit. When the cycle is complete the flush valve closes and the flushing ends. The flushing process uses a minimal amount of water.



