

ELIQUO | HYDROK

LetterBox Screen®

6mm Pumping Station CSO Screen



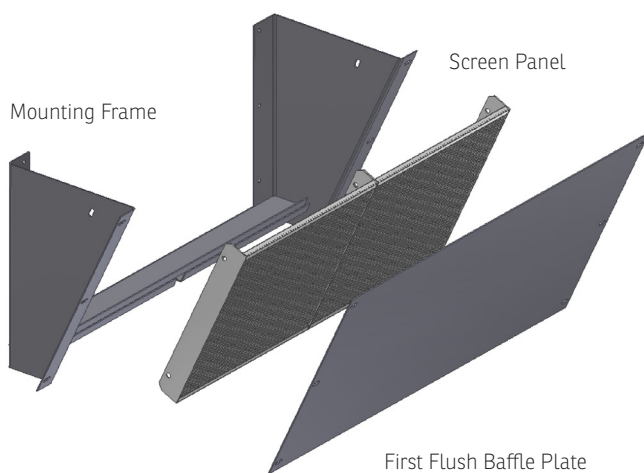
LetterBox Screen®

DURING TIMES OF RAINFALL THE SEWERAGE SYSTEMS WITHIN OUR NETWORKS BECOME OVERWHELMED WITH COMBINED SEWAGE AND RAIN WATER WHICH CAN CAUSE PARTICULAR PROBLEMS WITHIN PUMPING STATIONS. IN ORDER TO PREVENT THE FLOODING WITHIN THE PUMPING STATION AN OVERFLOW WEIR SHOULD BE FITTED TO ALLOW DISCHARGE INTO THE WATER COURSE. THESE RECEIVING WATERS ARE PROTECTED THROUGH THE INSTALLATION OF COMBINED SEWER OVERFLOW (CSO) SCREENS. THESE SCREENS ARE DESIGNED TO PREVENT SEWAGE DEBRIS FROM PASSING OVER THE WEIR, RETAINING IT WITHIN THE PUMPING STATION.



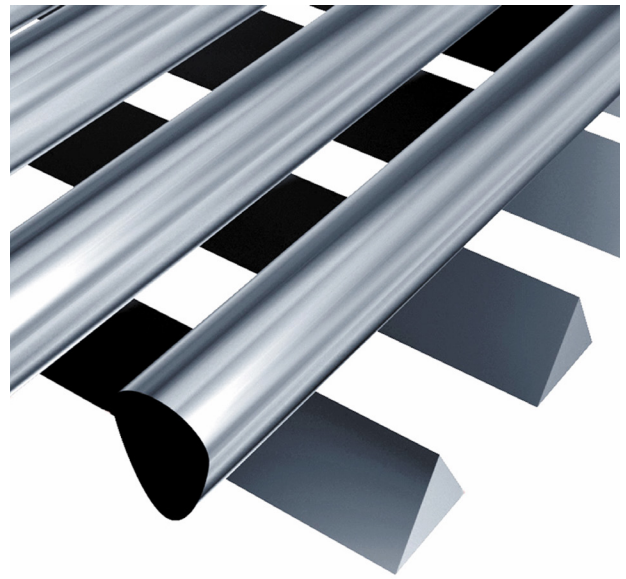
HOW IT WORKS

The **ELIQUO HYDROK LetterBox Screen** utilises ELIQUO HYDROK'S patented 6mm x 6mm profile wedge wire providing effective screening solutions for Storm storage tanks and Pump stations. The **ELIQUO HYDROK LetterBox Screen** is designed for use in confined spaces where larger CSOs are not suitable and are a standard modular panel size which can be replicated to suit flow requirement - all are a standard 505mm wide by 1000mm modular unit. The **ELIQUO HYDROK LetterBox Screen** is suitable for rectangular or circular chambers and is delivered as a self assembly flat pack for self installation or the HYDROK engineering team could complete the installation as required.



OPERATING PRINCIPLE

The efficiency of this system of static screening is directly due to the unique wedge wire profile. When configured as an upward flow screen, the profile provides 6mm screening in two directions. The wedge wire elements of the screen are supported via the heavy pear shaped profiles which create a hydraulic condition that discourages screenings from passing through the aperture. A first flush baffle plate is positioned in front of the wedge wire to prevent large debris from clogging the screen. All **ELIQUO HYDROK LetterBox Screen** screens are supplied with all the fittings required for installation and can even be installed on high level orifice overflows in circular chambers using a radius weir plate.



Patented
6mm x 6mm
profile wedge
wire.

ADVANTAGES AND BENEFITS

New build or retrofit

Full design service for each application


25 l/s/m²

Complete with all fixings

Standard panels for ease of design

304st/st standard, 316st/st optional

Flat packed for self assembly and installation



A Letterbox CSO Screen is suitable for rectangular or circular chambers.

Version 001

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MEMBER OF **ELIQUO WATER GROUP**