



# ELIQUO | HYDROK

## Peak Screen™

*Static Combined Sewer Overflow Screens*

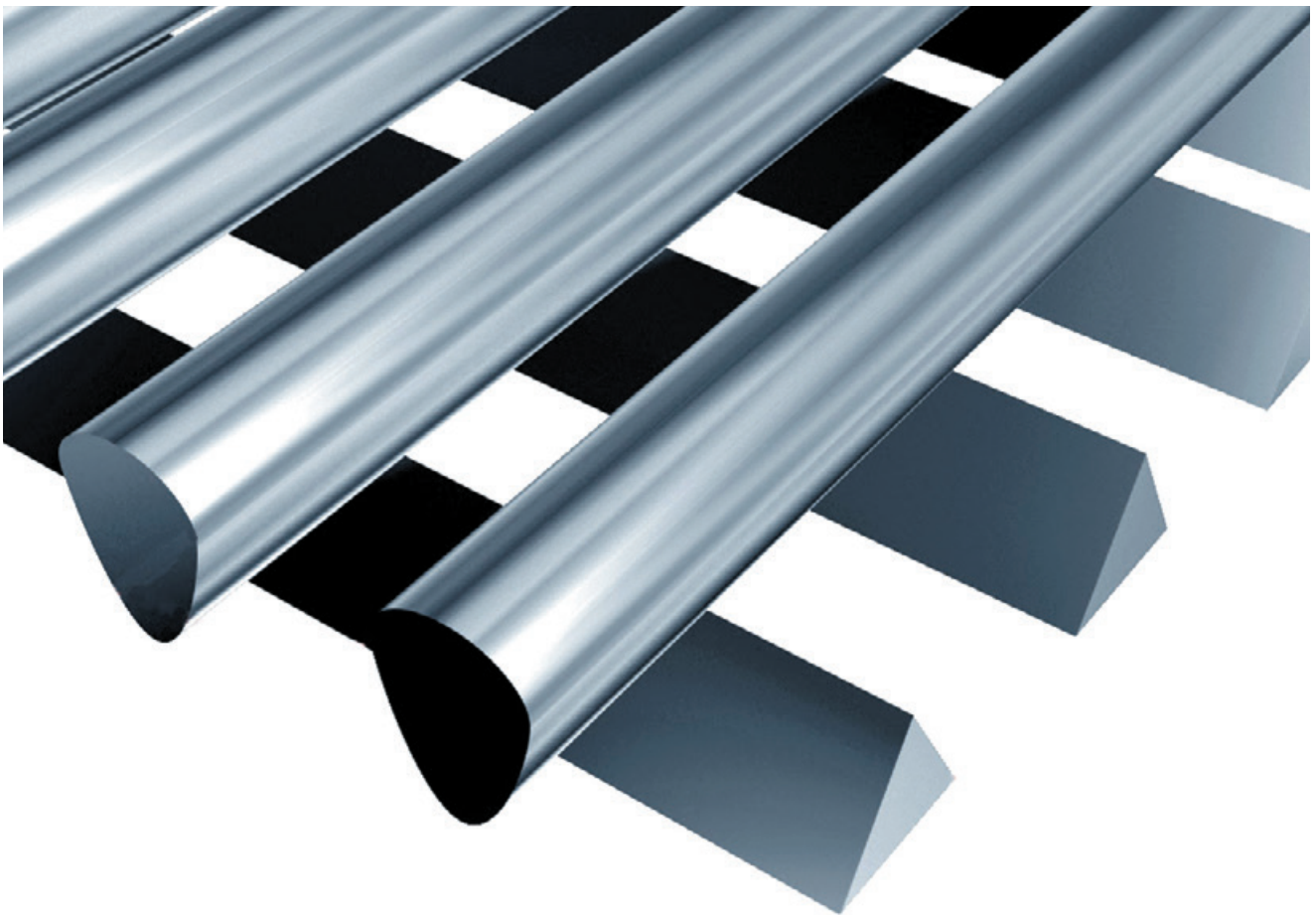
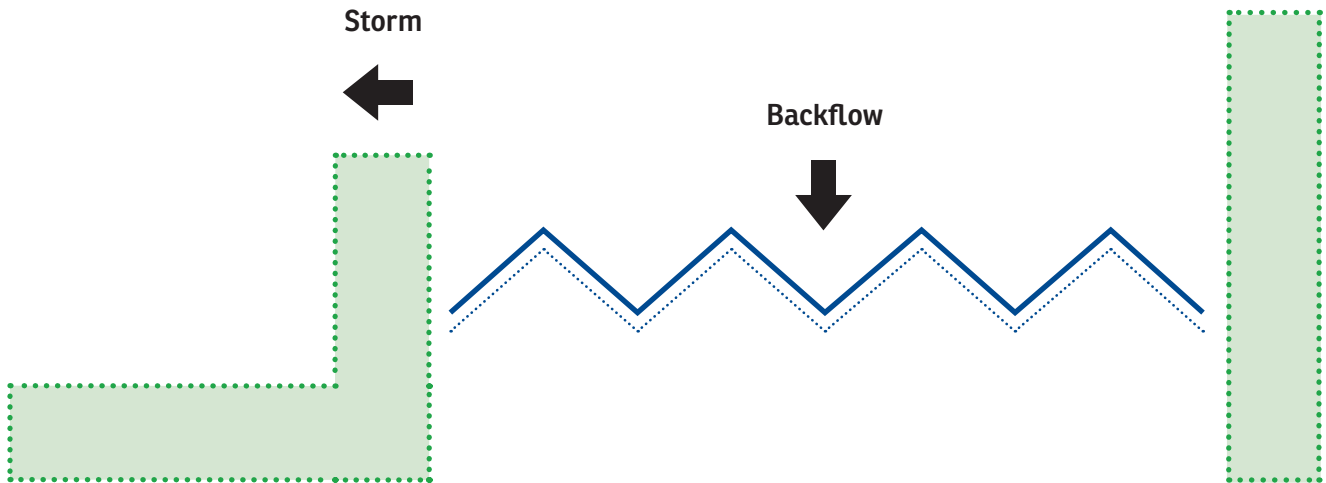


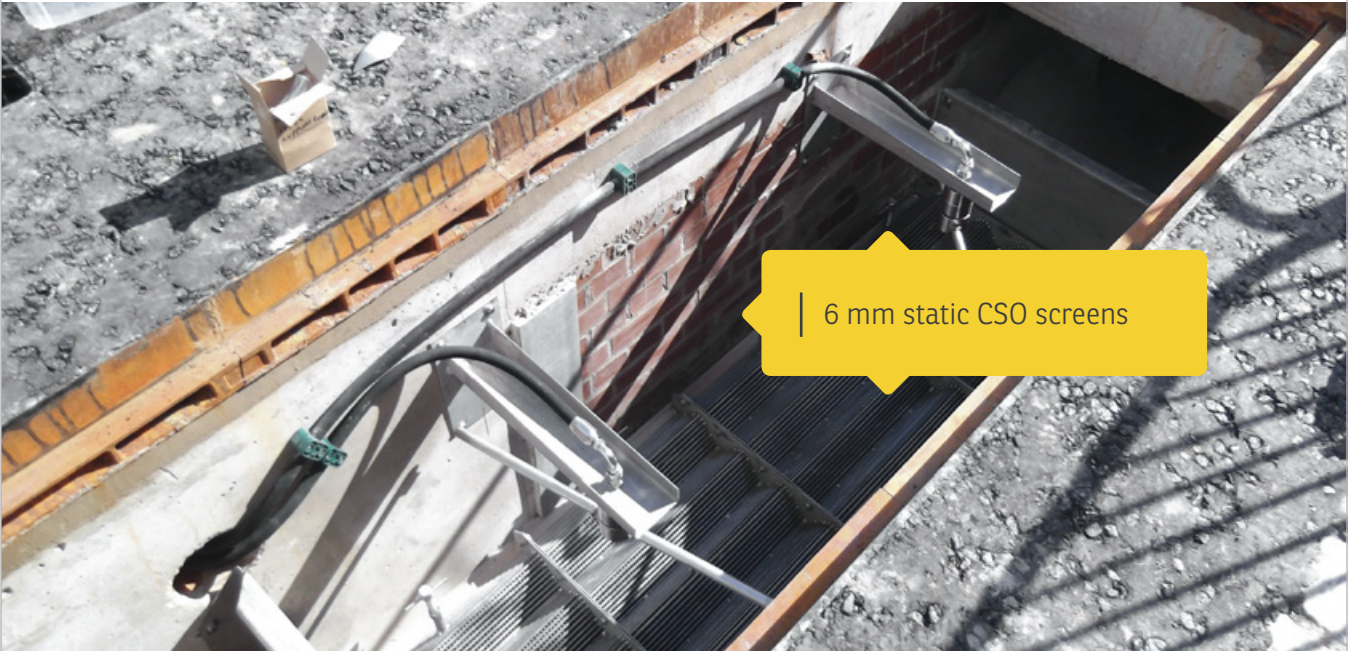
## **ELIQUO HYDROK Peak Screen**

DURING TIMES OF RAINFALL THE SEWERAGE SYSTEMS WITHIN OUR NETWORKS BECOME OVERWHELMED WITH COMBINED SEWAGE AND RAIN WATER. IN ORDER TO PREVENT THE FLOODING OF THESE SEWERS, OVERFLOW WEIRS ALLOW DISCHARGE AT STRATEGIC POINTS WITHIN THE SYSTEM 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 SEWER.

## WASTEWATER SCREENING SYSTEM

The ELIQUO HYDROK Peak Screen system utilises a patented 6 mm x 6 mm profile wedge wire providing effective screening solutions for many applications including CSO chambers, storm storage tanks and pump chambers.





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## ADVANTAGES AND BENEFITS

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New build or retrofit

Full design service for each application

10 to 10,000L/s

50 to 75 L/s/m<sup>2</sup>

Any shape or size

Screen Lifting systems available

Man walk-able

Quick release clamps as standard

Complete with all fixings

Standard panels for ease of design

Complete package CSO option

304 st/st standard, 316 st/st optional

Can be fitted with ELIQUO HYDROK's screen washing systems

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## RETROFIT

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A range of standard panel sizes are available for new build solutions which facilitate simplicity of chamber design. All are a standard 505 mm wide and either 1500 mm, 1000 mm or 750 mm nominal length containing 1 m<sup>2</sup>, 0.75 m<sup>2</sup> and 0.5 m<sup>2</sup> respectively. ELIQUO HYDROK are also able to fabricate panels in virtually any shape or size within our purpose build engineering facility in the South West of England.

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All panels are fitted with our unique clamping system for ease of installation and removal.

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## OPERATING PRINCIPLES

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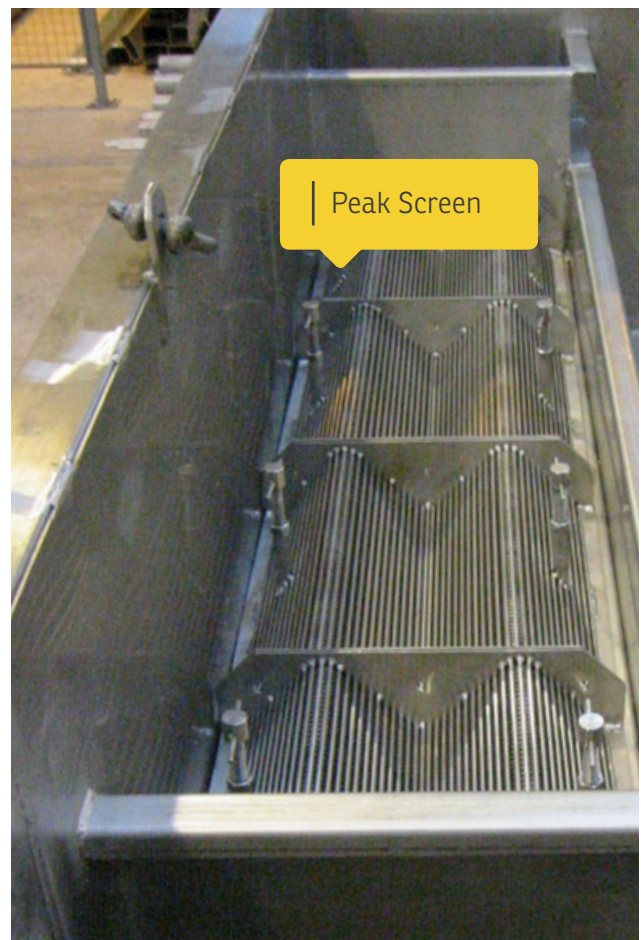
The efficiency of this system of static screening is directly due to the unique wedge wire profile. When configured as an upward flow screen, the profile provides 6 mm screening in two directions.


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.

All ELIQUO HYDROK Peak 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.

All screens are designed to minimise high impact damage and are able to support the weight of a man.

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Static CSO screens for retrofit, new installations or  
bespoke off-site built stainless steel chambers.

Version 001

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MEMBER OF **ELIQUO WATER GROUP**