

DECLARATION OF PERFORMANCE

No CEV01

Unique identification code of the product-type:

CEV Vortex flow regulator

Intended uses:

The purpose of the CEV is to protect the low-lying parts of sewer systems (downstream) against overloading and flooding. During rain events, including heavy rainfalls, storm water is stored upstream in a suitable retention facility (e.g. basins, infiltration boxes)

The CEV allows water to pass further down in the sewer system up to a predetermined maximum amount per time unit, regardless of the variation in feed flow and water level in the manhole. The mean discharge through the CEV is higher than through a comparable orifice. CEVs can be applied inline or where retention facilities are connected to the sewer system, depending on the piping network, in order to restrict the amount of storm water entering the system.

Manufacturer:

Mosbaek
Flow Regulators

Mosbaek A/S, Værkstedvej 20, 4600 Køge, Danmark

European Assessment Document:

EAD 180023-00-0704 – Vertical centrifugal storm water flow regulator

European Technical Assessment:

ETA-19/0218 of 2019/05/14

Technical Assessment Body:

ETA-Danmark A/S

Declared performances:

Hydraulic performance:

Flow reduction of a factor 4.45 at Q_{design}

Mechanical impact resistance:

The center of the upstream-facing side and the center of the curved volute of the flow regulator device can withstand the impact of a 6 kg test piece dropped directly onto its center from a height of 2 m, with a permanent indentation < 10 mm

Appropriate Technical Documentation and/or Specific Technical Documentation:

EU-ETV Registration number VN20150002

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

At Mosbaek A/S, Køge, Denmark on September 19. 2019

Marina Mosbæk Johannessen

Mosbaek
Flow Regulators