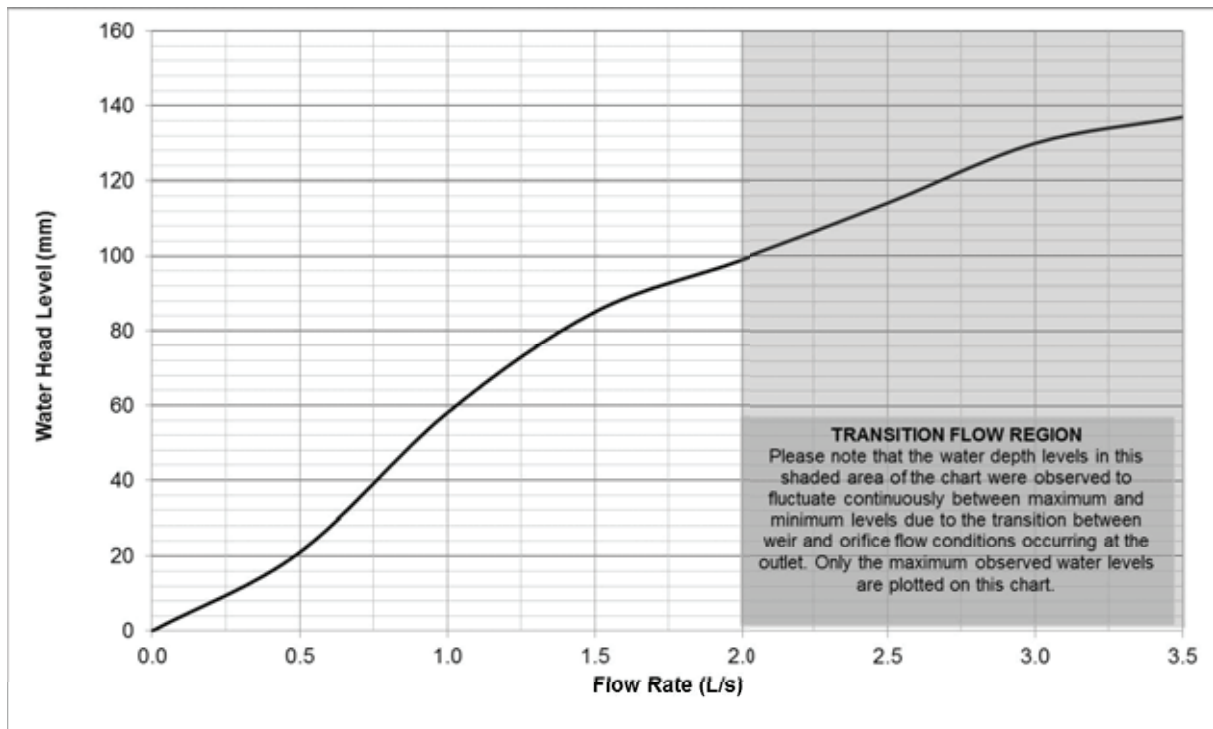


Flow Characteristic Curve – R100S4/C90



Weir flow - 1.0 L/s (60mm)



Surcharged Flow - 2.5 L/s (110mm)

Observation Comments:

- A concentric swirl pattern was observed which indicated weir flow conditions, with the water head level stabilising at each flow rate setpoint from 0-2.0 L/s.
- At 2.5 L/s a transition from swirl motion to vortex flow was observed, as the air core decreased to approximately 20mm Diameter, followed by a sudden increase in water head level as the vortex collapsed to surcharged orifice flow.
- The maximum flow design limit to maintain weir flow conditions is 2.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

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