

OUTLET PERFORMANCE CERTIFICATE ID: SPS005 - Q130SR4

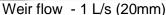
Test Results	ID: SPS005
Description	SPS Push-in Floor Drain
Drain Type	130mm Square
Model	Q130SR4
Outlet Size	100 NB
Test Date	07/09/2016
Grate Drawing	130mm Square SPS Catalogue Ref: 2.12
Housing Drawing	Tiling or topping Min. height 20mm I.D. rubber rings to suit 100mm PVC, HDPE & copper Structural Slab With topping/tiling Cast into slab
Drain Pipe Configuration	Standard pipe configuration as shown in AHSCA test procedure. 5mm O-ring seal at pipe connection.



Association of Hydraulic Services Consultants Australia – Research Foundation

Flow Characteristic Curve - Q130SR4 100 90 80 70 Water Head Level (mm) 60 50 40 30 TRANSITION FLOW REGION Please note that the water depth levels in this shaded area 20 of the chart were observed to fluctuate continuously between maximum and minimum levels due to the transition between weir and orifice flow conditions occurring at the 10 outlet. Only the maximum observed water levels are plotted on this chart. 2 Flow Rate (L/s)







Surcharged flow – 3 L/s (65mm)

Observation Comments:

- Flow rates from 0-2.5 L/s (55mm Head) produced a linear characteristic curve. At 3.0 3.5 L/s the weir flow transitioned to vortex flow, then surcharged with the head level stabilising at 55mm.
- From 3.5 5 L/s the flow conditions cycled between vortex and surcharged flow characterised by the water level fluctuating 20mm.
- The maximum flow limit to maintain weir flow conditions is 2.5 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 Date: 16th November 2016