

OUTLET PERFORMANCE CERTIFICATE ID: SPS003 - R150SR4

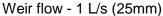
Test Results	ID: SPS003
Description	SPS Push-in Floor Drain
Drain Type	150mm Round
Model	R150SR4
Outlet Size	100 NB
Test Date	01/09/2016
Grate Drawing	High-heel friendly pattern (5mm gaps)
	150mm Round SPS Catalogue Ref: 2.15
Housing Drawing	Typical Application
Housing Drawing	Tiling or topping Min. height 30mm I.D. rubber rings to suit 100mm PVC, HDPE & copper Structural Slab Standard PVC Pipe Structural Slab
Drain Pipe Configuration	Standard pipe configuration as shown in AHSCA test procedure. 5mm O-ring seal at pipe connection.



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Flow Characteristic Curve - R150SR4 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 10 at the outlet. Only the maximum observed water levels are plotted on this chart. 2 Flow Rate (L/s)







Surcharged flow – 3 L/s (75mm)

Observation Comments:

- Flow rates from 0-2 L/s (60mm Head) produced a linear characteristic curve. At 2.5 L/s the weir flow transitioned to vortex flow with the head level stabilising at 55-60mm.
- Flow rates from 3-5 L/s the vortex surcharged and transitioned to orifice conditions, characterised by the water level fluctuating 10 -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

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