

OUTLET PERFORMANCE CERTIFICATE ID: SPS035 - PD50CS

Test Results	ID: SPS035
Description	SPS Parapet Drains
Drain Type	50mm
Model	PD50CS
Outlet Size	50NB
Test Date	05/10/2016
Grate and Housing Drawing	Front View Optional plain spigot outlet (50mm & 80mm only) Push-in outlet now standard SPS Catalogue Ref: 1.13
Drain Pipe Configuration	Standard pipe configuration as shown in AHSCA test procedure. This outlet was mounted with the 50NB oring connection.



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Flow Characteristic Curve - PD50CS 60 50 Nater Head Level (mm) 40 30 TRANSITION FLOW REGION 20 Please note that the water depth levels in this shaded area of the chart were observed to fluctuate continuously between maximum and minimum levels 10 due to the transition between weir and orifice flow conditions occurring at the outlet. Only the maximum observed water levels are plotted on this chart. 0.25 0.5 0.75 1.25 1.5

Flow Rate (L/s)





Weir Flow – 0.75 L/s (22mm)

Surcharged Flow – 1 L/s (30mm)

Observation Comments:

- Flow rates from 0-0.75 L/s (22mm Head) produced a flat characteristic curve.
- At 1.0 L/s the weir flow transitioned to surcharged flow with the water head rising rapidly to 60mm at 1.5 L/s.
- The maximum flow limit to maintain weir flow conditions is 0.75 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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