

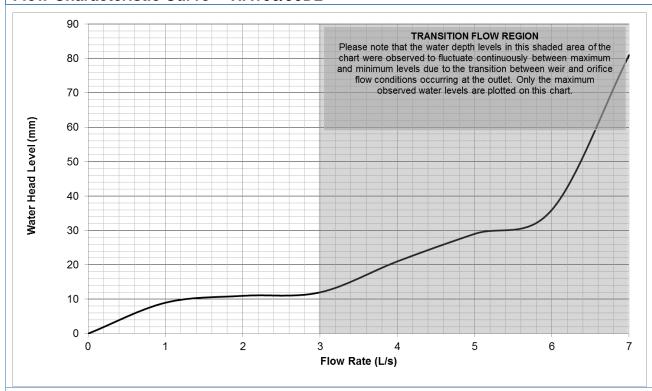
OUTLET PERFORMANCE CERTIFICATE ID: SPS031 - TIA100/90D2

Test Results	ID: SPS031
Description	SPS Truflo 90° RWO
Drain Type	Dome Grate and Membrane Clamp
Model	TIA100/90D2
Outlet Size	100NB
Test Date	21/09/2016
Grate Drawing	Optional 100mm high 304 SS gravel guard for built-up roofs - code "GG105" Membrane ring tastens to body independently of grate to allow access to sump without breaking membrane seal.
	SPS Catalogue Ref: 1.08
Housing Drawing	Integral puddle flange with weep holes 4 x places Structural Slab
Drain Pipe Configuration	O-ring connection was not possible due to 90 Degree housing outlet close proximity to tank frame. An alternative configuration of open outlet and flexible lay flat hose was utilised.

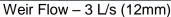


Association of Hydraulic Services Consultants Australia – Research Foundation

Flow Characteristic Curve - TIA100/90D2









Surcharged flow 5 L/s (30mm)

Observation Comments:

- Flow rates from 2.0-3.0 L/s (12mm Head) produced a flat characteristic curve with stable water head levels.
- At 4.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- At 5.0 7.0 L/s the flow surcharged with the water head rising rapidly to 80mm.
- The maximum flow limit to maintain weir flow conditions is 3.0 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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