

Z100F FloForce®

Testing Report Summary

Data collected from testing is specifically for a gravity style roof drain.



Comparison performance flow testing of the Z100F FloForce® High-performance Roof Drain against three various style roof drains, in 4" outlet and 6" outlet sizes.

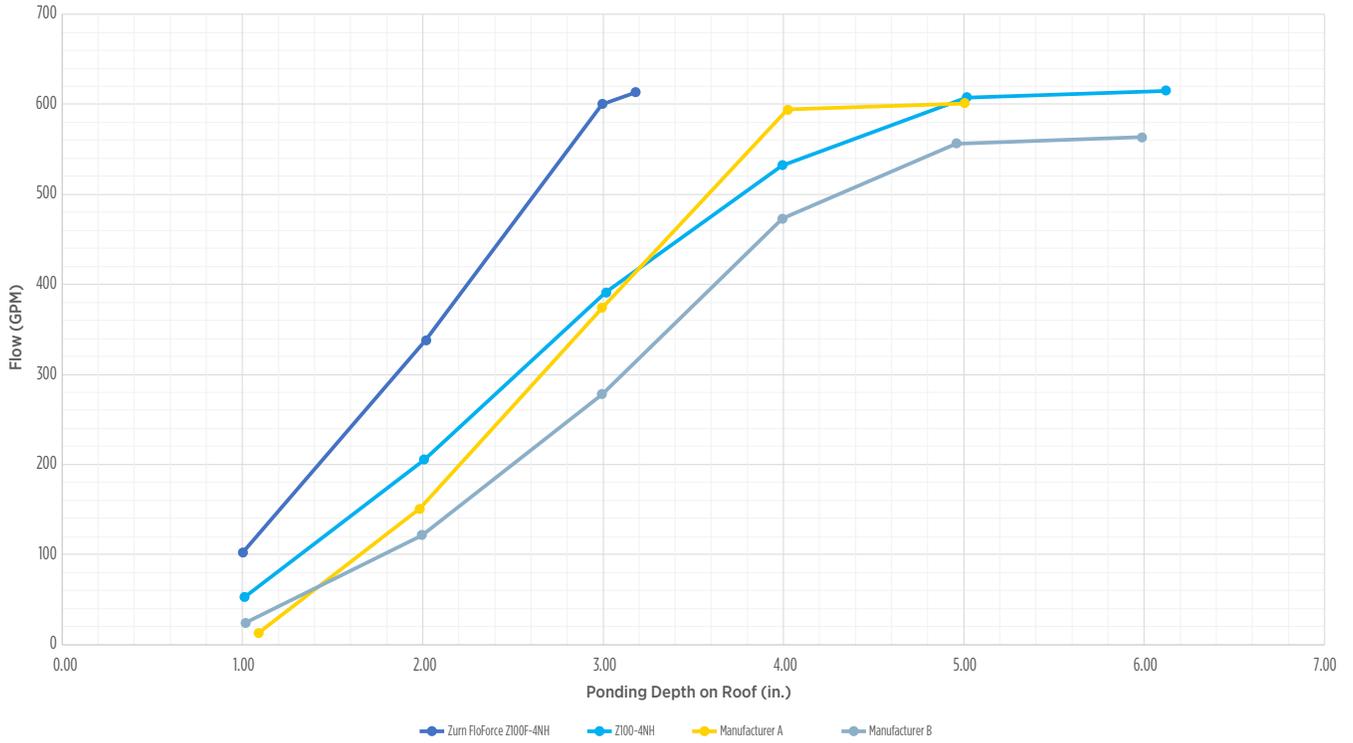
Testing Procedure

- Prior to test startup, the head elevation measuring devices (calibrated transducers) were checked to ensure readout data registered a zero water head height. This step was repeated twice. The test equipment startup commences to elevate water to the test bed. A steady state condition was achieved for the target head height.
- Test data was then collected in five-minute intervals at a speed of one data point per second, for a total of 300 data points. Data collection occurred in 1" increments, beginning with 1" head height up to 6", or until the drain has reached critical head (the point at which the drain discharge rate can no longer keep up with incoming flow rate). Flow GPM data is collected using a straight 4-foot section of pipe that is connected to the drain outlet as per the standard.
- The predefined head elevations at which the flow data was collected remained within the tolerance of +/- 0.12" of the average measured head elevation throughout the duration of data collection.
- During the data collection, the operator's controls are locked to prevent operator changes to the testing equipment, which could influence recorded results. After data was collected at a 6" head height or at critical head, whichever it reached first, the test stand was shut down and drained. The electronic test data was automatically archived to a network folder with date and time stamp for each collected data point. The drain fixture was then removed and replaced with the next sample and the test procedure was then repeated.
- Third-party witnessed and certified. The testing procedure falls within industry standards.

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4NH Data Summary

Flow vs. Ponding Depth



6NH Data Summary

Flow vs. Ponding Depth

