



# TEST REPORT

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**Report Number:** 2505-19001

**Report Issued:** February 7, 2019

**Project No.:** 31634

**Client:** DALDORADO  
4327 Arnold Ave  
Naples FL, 34104

Contact: Ray Vaughn

**Source of Samples:** The unit was shipped to IAPMO R&T Lab from Daldorado and was received as a prototype on January 30, 2019

**Location of Testing:** Iampo R&T Lab, 5001 East Philadelphia Street, Ontario CA 91761

**Dates of Evaluation:** February 5-February 7, 2019

**Product Description:** Current Flow Floor Fitting 450 gpm with 4" pipe connection for the inlet and 4 slits (5"x0.312"each) for the outlet.

**Primary Standard:** Manufacturer scope of work

**Scope of Evaluation:** Flow testing at several flow rates including 450 gpm, pressure drop across the fitting face and velocity calculation.

**Conclusion:** The sample described in the "Product Description" was evaluated according to the scope of evaluation. Please refer to the following pages for details.

**Report Status:** COMPLETE

Tested By,

Victor Soria, Lab Technician

Reviewed By,

Sal Aridi - Director

**Test Setup:**

The sample was placed in a tank and connected to a 4" Schd 40 PVC pipe to a pump and flowmeter. A tap was placed in the top of the sample and connected to a pressure gage placed 46 inches above the tap. The water level was 31 inches above the tap. (see Figure 2). The water was flowing into the 4" fitting and out of the slits.

**Data:**

Table 1- Pressure Drop Across the Fitting And Speed Data

Flow Rate (gpm)	Inlet Pressure (psi)	Outlet pressure (psi)	Net Pressure Drop (psi)	Water Velocity Through Each Slit* (ft/sec)
200	1.86	1.12	0.74	10.3
250	2.46	1.12	1.34	12.8
300	3.46	1.12	2.34	15.4
350	4.26	1.12	3.14	18.0
400	5.06	1.12	3.94	20.6
<b>450</b>	<b>6.06</b>	<b>1.12</b>	<b>4.94</b>	<b>23.1</b>
500	6.66	1.12	5.54	25.7
518	6.86	1.12	5.74	26.6

\*The velocity is based on calculating the flow rate through the area of the 4 slits.

Figure 1- Sample Tested



Figure 2-Sample Under Test



Figure 3- Sample Details

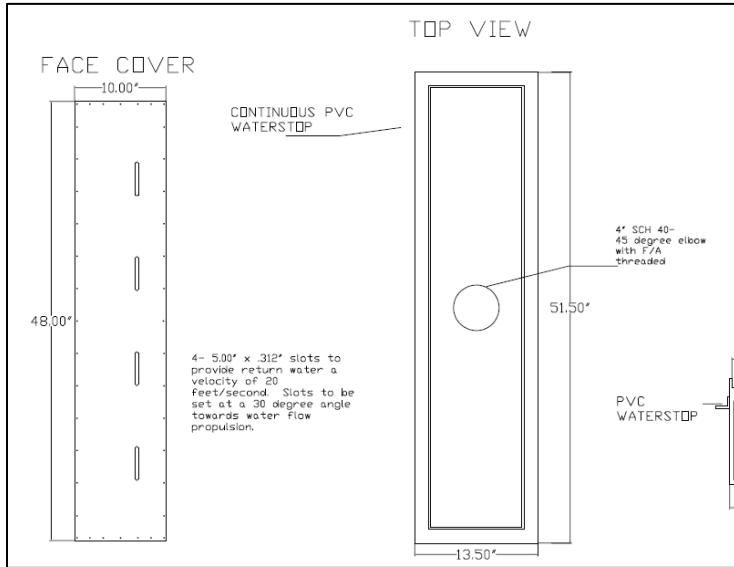


Figure 3- Pressure Drop Curve

