

**Forest Service Handbook
National Headquarters - Washington Office
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Forest Service Handbook 7409.11 – Sanitary Engineering and Public Health Handbook

Chapter 60 - Pumps, Controls, and Flow Measurement

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Approved by:

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Responsible Staff:

Explanation of changes:

63.22 Table 1 - Standard dimensions and capacities of improved Venturi Meter (Parshall flume)

Table 1 -- Standard demensions and capacities of improved Venturi Meter (Parshall flume)

CREST LENGTH W	DIMENSION IN FEET & INCHES						FREE - FLOW CAPACITY			
							MAXIMUM		MINIMUM	
	A	2/3 A	B	2/3 B	C	D	HEAD-H _a	DISCH.	HEAD-H _a	DISCH.
FT. 1	4' - 6"	3' - 0"	4' - 47/8"	2' - 11 1/4"	2	2' - 9 1/4"	FEET 2.50	SEC. FT. 16.1	FEET 0.20	SEC. FT. 0.35
2	5' - 0"	3' - 4"	4' - 107/8"	3' - 3 1/4"	3	3' - 11 1/2"	2.50	33.1	0.20	0.66
3	5' - 6"	3' - 8"	5' - 43/4"	3' - 7 1/8"	4	5' - 17/8"	2.50	50.4	0.20	0.97
4	6' - 0"	4' - 0"	5' - 105/8"	3' - 11 1/8"	5	6' - 43/4"	2.50	67.9	0.20	1.26
5	6' - 6"	4' - 4"	6' - 41/2"	4' - 3"	6	7' - 65/8"	2.50	85.6	0.25	2.22
6	7' - 0"	4' - 8"	6' - 103/8"	4' - 67/8"	7	8' - 9"	2.50	103.5	0.25	2.63
7	7' - 6"	5' - 0"	7' - 41/4"	4' - 107/8"	8	9' - 113/8"	2.50	121.4	0.30	4.08
8	8' - 0"	5' - 4"	7' - 101/8"	5' - 23/4"	9	11' - 13/4"	2.50	139.5	0.30	4.62
10	9' - 0"	6' - 0"	8' - 97/8"	5' - 105/8"	11	13' - 63/8"	2.50	175.8	0.40	9.10