Inlet Diameter	Min. Length* (ft)	Orifice Dia. (in.)	Head - (feet)												
			3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.5	6.0
6 inch	1.5	1.50	.103	.106	.109	.113	.116	.119	.122	.125	.127	.130	.133	.139	.146
		1.75	.140	.144	.149	.153	.158	.162	.166	.170	.174	.177	.181	.190	.198
		2.00	.182	.188	.194	.200	.205	.210	.215	.220	.225	.230	.235	.247	.258
		2.25	.231	.238	.245	.253	.259	.266	.273	.279	.286	.292	.298	.312	.326
		2.50	.284	.293	.302	.311	.320	.328	.336	.344	.352	.359	.367	.385	.402
		2.75	.344	.355	.366	.376	.387	.397	.407	.416	.426	.435	.444	.466	.486
	2.0	3.00	.408	.421	.435	.447	.460	.472	.483	.494	.506	.516	.527	.553	.578
		3.25	.479	.495	.510	.525	.540	.554	.567	.580	.594	.606	.619	.649	.678
		3.50	.556	.574	.591	.608	.626	.642	.658	.673	.688	.703	.718	.753	.786
8 inch	2.0	3.75	.638	.659	.679	.699	.718	.737	.755	.773	.790	.807	.824	.864	.903
		4.00	.725	.749	.772	.794	.816	.837	.858	.878	.898	.917	.936	.982	1.03
	2.5	4.25	.818	.845	.871	.897	.921	.945	.968	.991	1.01	1.04	1.06	1.11	1.16
		4.50	.917	.947	.976	1.00	1.03	1.06	1.08	1.11	1.13	1.16	1.18	1.24	1.30
	3.0	4.75	1.02	1.05	1.09	1.12	1.15	1.18	1.21	1.24	1.26	1.29	1.32	1.38	1.45
		5.00	1.13	1.17	1.20	1.24	1.28	1.31	1.34	1.37	1.40	1.43	1.46	1.53	1.60
	3.5	5.25	1.24	1.29	1.33	1.37	1.40	1.44	1.48	1.51	1.55	1.58	1.61	1.69	1.77
		5.50	1.37	1.41	1.46	1.50	1.54	1.58	1.62	1.66	1.70	1.73	1.77	1.85	1.94
10 inch	3.5	5.75	1.50	1.55	1.60	1.64	1.68	1.72	1.77	1.81	1.85	1.89	1.93	2.02	2.11
		6.00	1.63	1.68	1.73	1.78	1.83	1.88	1.93	1.97	2.02	2.06	2.10	2.20	2.30

Inlet Dia (in)	Rows of Slots	Slot Area** (ft^2/ft)	Holes per (ft)	Hole Area 3/4" Dia (ft^2/ft)	Hole Area 1" Dia (ft^2/ft)
6	4	.167	30	0.092	0.164
8	6	.250	40	0.123	0.218
10	8	.333	50	0.153	0.273

*Minimum length of inlet required to keep velocity less than 2.0 feet per second through slots.

**Slots are 1 inch by 4 inches spaced vertically 8 inches center to center.

Exhibit 8-5.1 Discharge rates of circular orifice in cfs and minimum inlet dimensions.