



## Flow Estimates for Holes in Irrigation Tube

Gallons Per Minute (GPM)

Pressure In Feet <small>(see below)</small>	Hole Size — Inches																					
	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	11/16"	3/4"	13/16"	7/8"	15/16"	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"	1 5/8"	1 3/4"	1 7/8"	2"	2 1/2" Gate
	Flow in Gallons per Minute (GPM)																					
<b>0.5</b>	0.6	0.9	1.3	1.7	2.3	2.9	3.5	4.3	5.1	6.0	6.9	7.9	9.0	11.4	14.1	17.1	20.3	23.8	27.6	31.7	36.1	43.4
<b>1.0</b>	0.8	1.3	1.8	2.4	3.2	4.0	<b>5.0</b>	6.0	7.2	8.4	<b>9.8</b>	11.2	12.8	16.1	20.0	24.1	28.7	33.7	39.1	44.9	51.0	61.3
<b>1.5</b>	1.0	1.5	2.2	3.0	3.9	4.9	6.1	7.4	8.8	10.3	12.0	13.7	15.6	19.8	24.4	29.5	35.2	41.3	47.9	54.9	62.5	75.1
<b>2.0</b>	1.1	1.8	2.5	3.5	4.5	5.7	7.1	8.5	10.2	11.9	13.8	15.9	18.0	22.8	28.2	34.1	40.6	47.6	55.3	63.4	72.2	86.7
<b>2.5</b>	1.3	2.0	2.8	3.9	5.0	6.4	7.9	9.5	11.4	13.3	15.4	17.7	20.2	25.5	31.5	38.1	45.3	53.3	61.8	70.9	80.7	97.0
<b>3.0</b>	1.4	2.2	3.1	4.2	5.5	7.0	8.6	10.4	12.4	14.6	16.9	19.4	22.1	28.0	34.5	41.8	49.7	58.3	67.7	77.7	88.4	106.2

\* Adapted from USDA NRCS Information

**EXAMPLE:**

At 1 foot of pressure:

- **5/8" hole** delivers **5.0 GPM**
- **7/8" hole** delivers **9.8 GPM**

**VISUAL GUIDE:**

Pressure in feet

- **Oval Shaped:** Polytube at 0.5 to 1.5 feet of pressure.
- **Round / Tight:** Polytube at 1.5 to 3.0 feet of pressure.
- **Ruptured:** Polytube at 3.0+ feet of pressure is probably ruptured or close to it.



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