

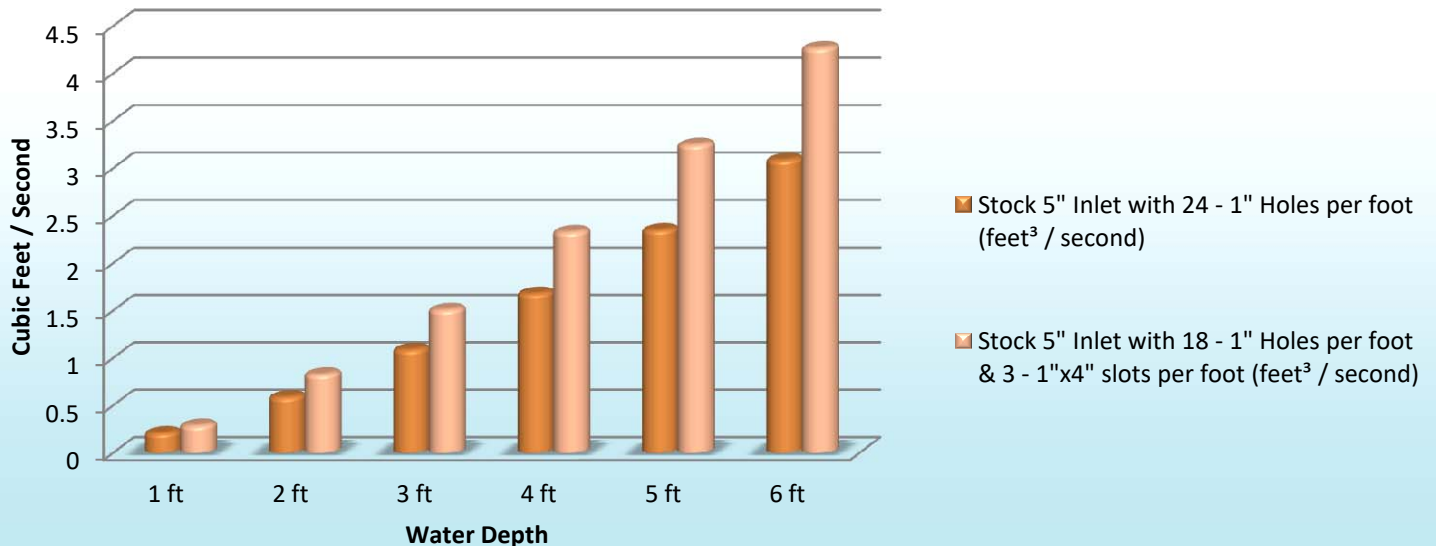


# Hickenbottom<sup>®</sup> Inc.



Look for the bright orange inlet - Hickenbottom<sup>®</sup>'s Trademark<sup>®</sup>

## Capacity of a Hickenbottom<sup>®</sup> 5" Inlet



Water Depth	Stock 5" Inlet with 24 - 1" Holes per foot (feet <sup>3</sup> / second)	Stock 5" Inlet with 18 - 1" Holes per foot & 3 - 1"x4" slots per foot (feet <sup>3</sup> / second)
1 ft	0.21	0.29
2 ft	0.59	0.83
3 ft	1.09	1.51
4 ft	1.68	2.33
5 ft	2.35	3.25
6 ft	3.09	4.27

The above capacity charts are based on the following assumptions:

- 1) 50% of the holes in the inlet are plugged.
- 2) There is no flow through the top of the inlet. The top of the inlet is either capped or the top of the inlet extends above the water elevation.
- 3) The perforations in the inlet extend as high as the water depth.
- 4) The flow in the inlet is not restricted by any other component of the system. For example, flow is not restricted due to an orifice plate, an offset pipe that limits flow, or full pipe flow in the mainline that could create a tailwater effect in the inlet.

*The capacities were calculated using the Natural Resources Conservation Service Engineering Field Tools software.*