



How to Determine FDU 300 Orifice Size

Use a clean, empty 5-gallon bucket to determine the Gallons Per Minute(GPM) at idle speed on your jetter truck or trailer.

To do this, first turn your pump on at idle engine speed and fill the 5 gallon bucket to the top using the jetter hose without a nozzle, utilizing a watch or stopwatch to time this operation. Repeat this operation to double check that the timing is accurate. (Note – some engines will spit and sputter for a few seconds when first started. This could lead to an inaccurate timing.)

Next, refer to the chart below to determine which proper orifice size to use. Remember you need to recalibrate everytime you use the FDU 300 on a different Jetter unit or after your pump has been reworked.

Call the **RootX** company with this orifice size and the orifice will be placed in the FDU 300 for you and shipped to your location or you can change the orifice yourself by simply using a 5/16 Hex Key.

Seconds to fill 5 Gal.	Cleaner GPM	Orifice Size
51-60	5	1/8
38-50	6-7	5/32
34-37	8-9	11/64
28-33	10	3/16
24-27	11-12	13/64
21-23	13-14	7/32
19-20	15	15/64
16-18	16-19	1/4
14-15	20-21	9/32
12-13	22-26	19/64
11	27	5/16

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Note: Always go down to next smaller orifice size if it is less than the next full size (i.e. - 7.8 gpm use 7 gpm size not 8.)

If your Jetter unit timing does not fall with the range of this chart, or if you have any questions on your timing, please call **RootX** at (800) 844-4974.