

A 1500 gpm Pumper Drafts 2320 gpm

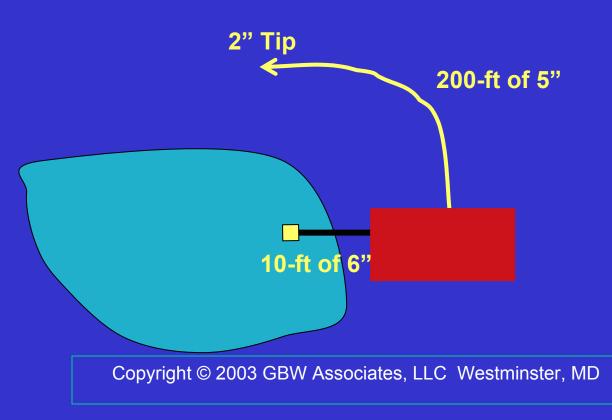
How Did Those Guys At Winfield Do That? May 2003

The Test

In May 2003, the Winfield Community VFD of Carroll County, Maryland conducted a flow test to see how much water they could move with their 1500 gpm, singlestage pumper. The intent was to eventually draft using all three of the pumper's intakes and to maximize the flow from draft. The following slides present the results of this test. The bottom line is that this 1500 gpm rig pumped 2320 gpm – pretty darn good and it just goes to show you that a rig is not really that confined by its rated capacity.

Test #1 — Draft through Front Suction

- 1500-gpm Pumper (Series 60 500 hp diesel)
- Front suction with 10-ft of 6" suction & floating strainer
- Discharge through portable monitor with 2" tip
- Lift = 8 ft

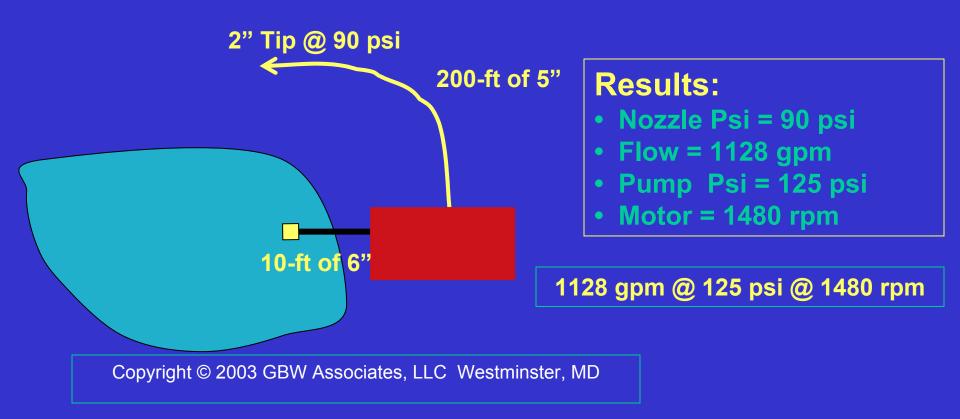






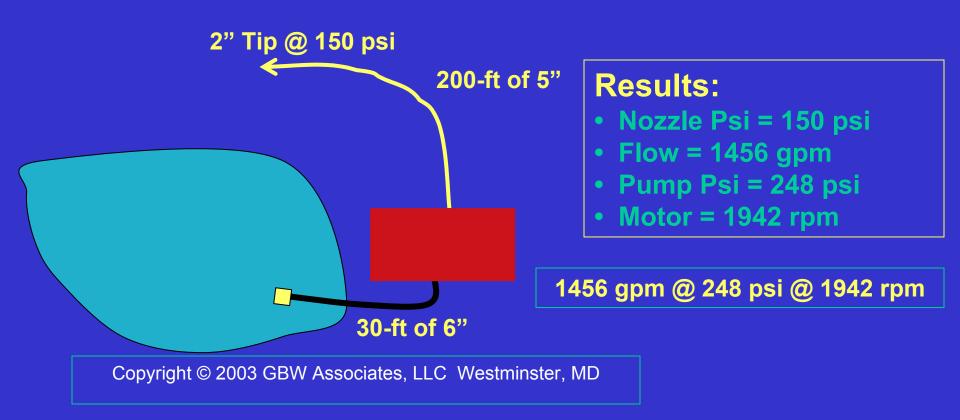
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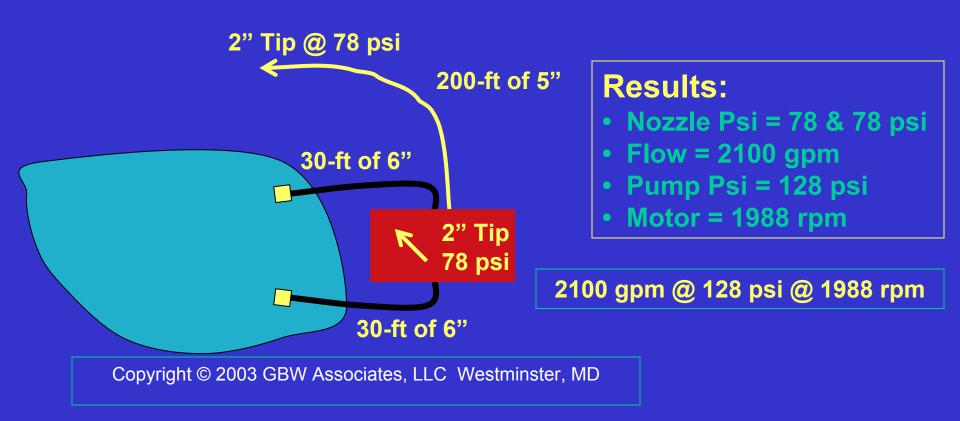
Test #2 — Draft through Side Suction

- 1500-gpm Pumper (Series 60 500 hp diesel)
- Side suction with 30-ft of 6" suction & floating strainer
- Discharge through portable monitor with 2" tip
- Lift = 8 ft



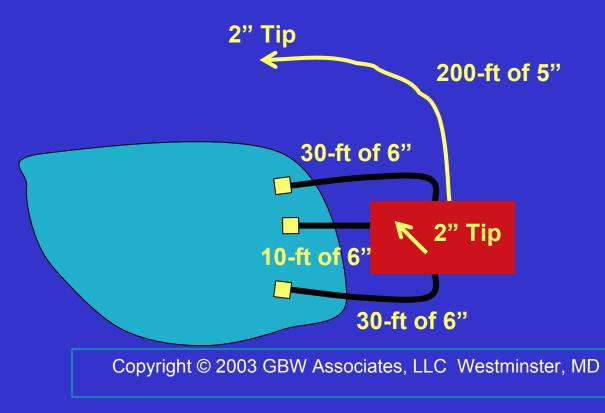
Test #3 — Draft through Both Side Suctions

- 1500-gpm Pumper (Series 60 500 hp diesel)
- Side suctions with 30-ft of 6" suction & floating strainers
- Discharge through portable monitor & deck gun with 2" tips
- Lift = 8 ft



Test #4 — Draft through Front & Both Side Suctions

- 1500-gpm Pumper (Series 60 500 hp diesel)
- Front suction with 10-ft of 6" suction & floating strainer
- Both side suctions with 30-ft of 6" suction & floating strainers
- Discharge through portable monitor & deck gun with 2" tips
- Lift = 8 ft









Test #4 — Draft through Front & Both Side Suctions

- 1500-gpm Pumper (Series 60 500 hp diesel)
- Front suction with 10-ft of 6" suction & floating strainer
- Both side suctions with 30-ft of 6" suction & floating strainers
- Discharge through portable monitor & deck gun with 2" tips
- Lift = 8 ft

