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# AZ MIXING EDUCTOR & AZ SHEARMIXER

## ALL 3" (75mm) MODELS PERFORMANCE CHART

| Head         |                  | Velocity of Discharge |
|--------------|------------------|-----------------------|
| PSI<br>(BAR) | FEET<br>(METERS) | FT/SEC<br>(M/SEC)     |

|                |                 |                 |
|----------------|-----------------|-----------------|
| 30.0<br>(2.0)  | 69.0<br>(21.0)  | 67.0<br>(20.0)  |
| 40.0<br>(2.76) | 92.0<br>(28.0)  | 77.0<br>(23.0)  |
| 50.0<br>(3.5)  | 115.0<br>(35.0) | 86.0<br>(26.0)  |
| 60.0<br>(4.14) | 138.0<br>(42.0) | 94.0<br>(29.0)  |
| 70.0<br>(4.8)  | 161.0<br>(49.0) | 102.0<br>(31.0) |
| 80.0<br>(5.5)  | 184.0<br>(56.0) | 109.0<br>(33.0) |
| 90.0<br>(6.2)  | 207.0<br>(65.0) | 116.0<br>(35.0) |
| 100.0<br>(6.9) | 230.0<br>(70.0) | 122.0<br>(37.0) |

| Nozzle Orifice Sizes* |                |              |
|-----------------------|----------------|--------------|
| 3/4"<br>(19mm)        | 7/8"<br>(22mm) | 1"<br>(25mm) |
| GPM<br>(LPM)          | GPM<br>(LPM)   | GPM<br>(LPM) |

|                  |                   |                   |
|------------------|-------------------|-------------------|
| 60.0<br>(228.0)  | 92.0<br>(350.52)  | 125.0<br>(476.25) |
| 72.0<br>(277.0)  | 105.0<br>(400.05) | 145.0<br>(552.45) |
| 83.0<br>(315.0)  | 119.0<br>(453.39) | 162.0<br>(617.22) |
| 90.0<br>(342.0)  | 130.0<br>(495.3)  | 177.0<br>(674.37) |
| 98.0<br>(372.0)  | 141.0<br>(537.21) | 191.0<br>(727.71) |
| 104.0<br>(395.0) | 150.0<br>(571.5)  | 205.0<br>(781.05) |
| 111.0<br>(422.0) | 160.0<br>(609.6)  | 217.0<br>(826.77) |
| 120.0<br>(456.0) | 168.0<br>(640.08) | 230.0<br>(876.3)  |

\*AZ Eductor nozzle orifice is equivalent to the area of a circle.

The AZ Eductor performs best with a 1.5' (0.5 meters) straight pipe extension installed on the discharge end of the eductor.