



1213 West Loop North, Ste 180
 Houston, TX 77055
 Phone: 713-688-2008
 Fax: 713-688-2993
 www.cccmix.com

AZ MIXING EDUCTOR & AZ SHEARMIXER

ALL 1" (25mm) MODELS PERFORMANCE CHART

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

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

| Nozzle Orifice Sizes* | | |
|-----------------------|---------------|---------------|
| 3/16" (5mm) | 1/4" (6mm) | 3/8" (9mm) |
| GPM (LPM) | GPM (LPM) | GPM (LPM) |

| | | |
|----------------|----------------|----------------|
| 2.56 (10.0) | 5.75 (22.0) | 10.0 (38.0) |
| 3.0 (11.4) | 6.7 (25.5) | 11.5 (44.0) |
| 3.3 (12.5) | 7.5 (28.5) | 13.0 (49.0) |
| 3.62 (13.8) | 8.0 (30.0) | 14.5 (55.0) |
| 4.0 (15.2) | 8.8 (33.0) | 15.7 (60.0) |
| 4.2 (16.0) | 9.4 (36.0) | 16.5 (63.0) |
| 4.5 (17.0) | 10.0 (38.0) | 17.7 (67.0) |
| 4.7 (18.0) | 10.5 (40.0) | 18.5 (70.0) |

*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.



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AZ MIXING EDUCTOR & AZ SHEARMIXER

ALL 1.5" (37mm) MODELS PERFORMANCE CHART

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

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

| Nozzle Orifice Sizes* | | |
|-----------------------|------------------|----------------|
| 3/8" (9mm) | 1/2" (12.5mm) | 5/8" (17mm) |
| GPM (LPM) | GPM (LPM) | GPM (LPM) |

| | | |
|----------------|-----------------|-----------------|
| 10.0 (38.0) | 23.0 (87.0) | 41.0 (156.0) |
| 11.5 (44.0) | 27.0 (103.0) | 47.0 (179.0) |
| 13.0 (49.0) | 30.0 (114.0) | 53.0 (201.0) |
| 14.5 (55.0) | 32.5 (124.0) | 58.0 (220.0) |
| 15.7 (60.0) | 35.2 (134.0) | 62.5 (238.0) |
| 16.5 (63.0) | 37.6 (143.0) | 67.0 (255.0) |
| 17.7 (67.0) | 40.0 (152.0) | 71.0 (270.0) |
| 18.5 (70.0) | 42.0 (160.0) | 75.0 (285.0) |

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AZ MIXING EDUCTOR & AZ SHEARMIXER

ALL 2" (50mm) MODELS PERFORMANCE CHART

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

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

| Nozzle Orifice Sizes* | | | |
|-----------------------|-----------------|----------------|----------------|
| 1/2" (12.5mm) | 9/16" (14mm) | 5/8" (17mm) | 3/4" (19mm) |
| GPM (LPM) | GPM (LPM) | GPM (LPM) | GPM (LPM) |

| | | | |
|-----------------|-----------------|-----------------|------------------|
| 23.0 (87.0) | 29.0 (110.0) | 41.0 (156.0) | 60.0 (228.0) |
| 27.0 (103.0) | 34.0 (129.0) | 47.0 (179.0) | 72.0 (274.0) |
| 30.0 (114.0) | 39.0 (148.0) | 53.0 (201.0) | 83.0 (315.0) |
| 32.5 (124.0) | 45.0 (171.0) | 58.0 (220.0) | 90.0 (342.0) |
| 35.2 (134.0) | 49.0 (186.0) | 62.5 (238.0) | 98.0 (372.0) |
| 37.6 (143.0) | 54.0 (205.0) | 67.0 (255.0) | 104.0 (395.0) |
| 40.0 (152.0) | 59.0 (224.0) | 71.0 (270.0) | 111.0 (422.0) |
| 42.0 (160.0) | 63.0 (239.0) | 75.0 (285.0) | 120.0 (456.0) |

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

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AZ MIXING EDUCTOR & AZ SHEARMIXER

ALL 3" (75mm) MODELS PERFORMANCE CHART

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

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

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

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

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