

PERFORMANCE DATA

FOR A STANDARD- (25.4mm) EJECTOR



PRIMETECH

PROVIDING ENGINEERING SOLUTIONS

| Suction Lift mtr | Discharge Head mwc | Suction capacities (m ³ /hr) | | | | | | | |
|----------------------------------|-----------------------|---|-------|-------|-------|-------|-------|--------|--------------------|
| | | Motive pressure (Kg/cm ²) | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Injector Reference |
| | | n1 | n1 | n1 | n1 | n1 | n1 | n1 | |
| 0 | 0 | 1.785 | 2.77 | 3.125 | 3.125 | 4.166 | 5.0 | 5.04 | 2565140 |
| | 2.5 | | 0.833 | 1.923 | 2.50 | 3.125 | 4.166 | 5.0 | 2565140 |
| | 5.0 | | | 1.086 | 2.083 | 2.272 | 3.571 | 4.2 | 2565140 |
| | 7.5 | | | 0.534 | 1.25 | 1.666 | 2.77 | 3.6 | 2565140 |
| | 10.0 | | | | | 1.136 | 2.083 | 3.15 | 2565140 |
| | 12.5 | | | | | 0.8 | 1.79 | 2.52 | 2565140 |
| | 15.0 | | | | | 0.7 | 1.56 | 2.27 | 2565130 |
| | 17.5 | | | | | 0.6 | 0.83 | 1.66 | 2565100 |
| | 20.0 | | | | | 0.2 | 0.83 | 1.25 | 2565100 |
| | 22.5 | | | | | | 0.44 | 0.9 | 2565100 |
| | 25.0 | | | | | | 0.20 | 0.55 | 2565100 |
| | 27.5 | | | | | | 0.17 | 0.4 | 2565100 |
| 30.0 | | | | | | | 0.26 | 256590 | |
| Motive flow (m ³ /hr) | | 1.4 | 2.1 | 2.7 | 3.2 | 3.6 | 4.0 | 4.3 | |
| Suction Lift mtr | Discharge Head mwc | Suction capacities (m ³ /hr) | | | | | | | |
| | | Motive pressure (Kg/cm ²) | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Injector Reference |
| | | n1 | n1 | n1 | n1 | n1 | n1 | n1 | |
| 1.5 | 0 | 1.2 | 1.8 | 2.50 | 2.9 | 3.0 | 3.0 | 3.0 | 2565140 |
| | 2.5 | | 0.45 | 1.60 | 2.5 | 3.0 | 3.0 | 3.0 | 2565140 |
| | 5.0 | | | 0.65 | 1.85 | 2.5 | 2.9 | 3.0 | 2565140 |
| | 7.5 | | | | 0.95 | 1.7 | 2.4 | 2.6 | 2565140 |
| | 10.0 | | | | | 1.5 | 1.7 | 2.0 | 2565140 |
| | 12.5 | | | | | 1.3 | 1.4 | 1.8 | 2565130 |
| | 15.0 | | | | | 1.20 | 1.25 | 1.75 | 2565100 |
| | 17.5 | | | | | | 1.15 | 1.20 | 2565100 |
| | 20.0 | | | | | | 0.6 | 0.6 | 2565100 |
| | 22.5 | | | | | | 0.4 | 0.6 | 2565100 |
| | 25.0 | | | | | | | 0.3 | 2565100 |
| | 27.5 | | | | | | | 0.3 | 256590 |
| 30.0 | | | | | | | 0.25 | 256590 | |
| Motive flow (m ³ /hr) | | 1.4 | 2.1 | 2.7 | 3.2 | 3.6 | 4.0 | 4.3 | |
| Suction Lift mtr | Discharge Head mwc | Suction capacities (m ³ /hr) | | | | | | | |
| | | Motive pressure (Kg/cm ²) | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Injector Reference |
| | | n1 | n1 | n1 | n1 | n1 | n1 | n1 | |
| 3.0 | 0 | 0.6 | 1.8 | 2.25 | 2.80 | 2.95 | 3.0 | 3.0 | 2565140 |
| | 2.5 | | | 1.20 | 2.15 | 2.80 | 3.0 | 3.0 | 2565140 |
| | 5.0 | | | 0.30 | 1.30 | 2.15 | 2.9 | 3.0 | 2565140 |
| | 7.5 | | | | 0.30 | 1.25 | 2.4 | 2.7 | 2565140 |
| | 10.0 | | | | | 0.40 | 1.7 | 1.95 | 2565140 |
| | 12.5 | | | | | | 1.4 | 1.60 | 2565130 |
| | 15.0 | | | | | | 1.1 | 1.30 | 2565100 |
| | 17.5 | | | | | | 0.5 | 0.8 | 2565100 |
| | 20.0 | | | | | | 0.5 | 0.8 | 2565100 |
| | 22.5 | | | | | | 0.25 | 0.5 | 2565100 |
| | 25.0 | | | | | | | 0.25 | 2565100 |
| | 27.5 | | | | | | | 0.25 | 256590 |
| 30.0 | | | | | | | | 256590 | |
| Motive flow (m ³ /hr) | | 1.4 | 2.1 | 2.7 | 3.2 | 3.6 | 4.0 | 4.3 | |

| Suction Lift mtr | Discharge Head mwc | Suction capacities (m ³ /hr) | | | | | | | | | |
|----------------------------------|--------------------|---|------|------|------|------|------|---------|--------------------|-----|-----|
| | | Motive pressure (Kg/cm ²) | | | | | | | Injector Reference | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | |
| n1 | n1 | n1 | n1 | n1 | n1 | n1 | n1 | 2565140 | | | |
| 4.5 | 0 | | 1.05 | 1.80 | 2.55 | 2.65 | 2.70 | 2.80 | 2565140 | | |
| | 2.5 | | | 0.50 | 1.80 | 2.65 | 2.70 | 2.80 | 2565140 | | |
| | 5.0 | | | | 1.0 | 1.80 | 2.50 | 2.60 | 2565140 | | |
| | 7.5 | | | | | 1.25 | 1.90 | 2.10 | 2565140 | | |
| | 10.0 | | | | | 0.30 | 1.20 | 1.70 | 2565130 | | |
| | 12.5 | | | | | | 0.9 | 1.30 | 2565100 | | |
| | 15.0 | | | | | | 0.8 | 1.30 | 2565100 | | |
| | 17.5 | | | | | | 0.5 | 0.80 | 2565100 | | |
| | 20.0 | | | | | | 0.5 | 0.80 | 2565100 | | |
| | 22.5 | | | | | | 0.3 | 0.50 | 2565100 | | |
| | 25.0 | | | | | | | 0.30 | 256590 | | |
| | 27.5 | | | | | | | 0.20 | 256590 | | |
| 30.0 | | | | | | | 0.15 | 256590 | | | |
| Motive flow (m ³ /hr) | | 1.4 | 2.1 | 2.7 | 3.2 | 3.6 | 4.0 | 4.3 | | | |
| Suction Lift mtr | Discharge Head mwc | Suction capacities (m ³ /hr) | | | | | | | | | |
| | | Motive pressure (Kg/cm ²) | | | | | | | Injector Reference | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | |
| n1 | n1 | n1 | n1 | n1 | n1 | n1 | n1 | | | | |
| 6.0 | 0 | | 0.7 | 1.65 | 2.15 | 2.10 | 2.40 | 2.60 | 2565140 | | |
| | 2.5 | | | | 1.50 | 2.10 | 2.35 | 2.55 | 2565140 | | |
| | 5.0 | | | | 0.40 | 1.45 | 2.10 | 2.25 | 2565140 | | |
| | 7.5 | | | | | 0.65 | 1.50 | 2.15 | 2565140 | | |
| | 10.0 | | | | | | 0.65 | 1.20 | 2565140 | | |
| | 12.5 | | | | | | 0.45 | 1.20 | 2565130 | | |
| | 15.0 | | | | | | 0.45 | 1.20 | 2565100 | | |
| | 17.5 | | | | | | 0.45 | 0.9 | 2565100 | | |
| | 20.0 | | | | | | 0.45 | 0.9 | 2565100 | | |
| | 22.5 | | | | | | | 0.6 | 2565100 | | |
| | 25.0 | | | | | | | 0.4 | 2565100 | | |
| | 27.5 | | | | | | | 0.3 | 256590 | | |
| 30.0 | | | | | | | | | | | |
| Motive flow (m ³ /hr) | | 1.4 | 2.1 | 2.7 | 3.2 | 3.6 | 4.0 | 4.3 | | | |
| Suction Lift mtr | Discharge Head mwc | Suction capacities (m ³ /hr) | | | | | | | | | |
| | | Motive pressure (Kg/cm ²) | | | | | | | Injector Reference | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | |
| n1 | n1 | n1 | n1 | n1 | n1 | n1 | n1 | | | | |
| 7.5 | 0 | | 0.15 | 1.2 | 1.5 | 1.8 | 1.8 | 1.8 | 2565140 | | |
| | 2.5 | | | | 1.1 | 1.8 | 1.8 | 1.8 | 2565140 | | |
| | 5.0 | | | | 0.3 | 1.22 | 1.15 | 1.75 | 2565140 | | |
| | 7.5 | | | | | 0.45 | 0.95 | 1.50 | 2565140 | | |
| | 10.0 | | | | | | 0.45 | 0.85 | 2565140 | | |
| | 12.5 | | | | | | 0.45 | 0.70 | 2565130 | | |
| | 15.0 | | | | | | 0.45 | 0.70 | 2565100 | | |
| | 17.5 | | | | | | 0.45 | 0.70 | 2565100 | | |
| | 20.0 | | | | | | 0.45 | 0.70 | 2565100 | | |
| | 22.5 | | | | | | 0.30 | 0.45 | 2565100 | | |
| | 25.0 | | | | | | | 0.25 | 2565100 | | |
| | 27.5 | | | | | | | | 256590 | | |
| 30.0 | | | | | | | | 256590 | | | |
| Motive flow (m ³ /hr) | | 1.4 | 2.1 | 2.7 | 3.2 | 3.6 | 4.0 | 4.3 | | | |
| EJECTOR CAPACITY RATIOS (CR) | | | | | | | | | | | |
| Ejector Size mm | 15 | 20 | 25 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
| CR | 0.25 | 0.56 | 1 | 2.25 | 4 | 6.25 | 9 | 16 | 25 | 36 | 64 |

Note:

- For higher backpressures contact us.
- Design subject to change.