

## Mazzei Model 4091 Injector

| Operating Pressure      |                          | Metric            |                      |                   |                   |
|-------------------------|--------------------------|-------------------|----------------------|-------------------|-------------------|
|                         |                          | Model 4091        |                      | Model 4091        |                   |
| Injector Inlet (Kg/cm2) | Injector Outlet (Kg/cm2) | Motive Flow (l/m) | Liquid Suction (l/m) | Motive Flow (l/m) | Air Suction (l/m) |
| 0.35                    | 0.00                     | 643               | 132                  | 484               | 283               |
|                         | 0.07                     | 643               | 95                   | 484               | 198               |
|                         | 0.14                     | 606               | 76                   | 484               | 142               |
|                         | 0.21                     | 530               | 53                   | 484               | 71                |
|                         | 0.28                     | 503               | 23                   | 473               | 14                |
|                         | Kg/cm2@0 Vac             | 473               | (.32)                |                   |                   |
| 0.70                    | 0.00                     | 821               | 178                  | 681               | 566               |
|                         | 0.14                     | 821               | 178                  | 681               | 481               |
|                         | 0.35                     | 810               | 117                  | 681               | 99                |
|                         | 0.49                     | 712               | 49                   | 674               | 51                |
|                         | 0.56                     | 689               | 15                   | 674               | 28                |
|                         | Kg/cm2@0 Vac             | 666               | (0.62)               |                   |                   |
| 1.05                    | 0.00                     | 950               | 178                  | 836               | 708               |
|                         | 0.35                     | 950               | 178                  | 836               | 255               |
|                         | 0.49                     | 950               | 144                  | 836               | 113               |
|                         | 0.70                     | 852               | 45                   | 829               | 57                |
|                         | 0.84                     | 833               | 23                   | 829               | 37                |
|                         | Kg/cm2@0 Vac             | 814               | (0.92)               |                   |                   |
| 1.41                    | 0.00                     | 1067              | 178                  | 969               | 1019              |
|                         | 0.35                     | 1067              | 178                  | 969               | 340               |
|                         | 0.70                     | 1030              | 170                  | 969               | 127               |
|                         | 0.84                     | 995               | 114                  | 961               | 85                |
|                         | 1.05                     | 969               |                      | 946               | 42                |
| Kg/cm2@0 Vac            | 931                      | (1.23)            |                      |                   |                   |
| 1.76                    | 0.00                     | 1162              | 178                  | 1083              | 1132              |
|                         | 0.35                     | 1162              | 178                  | 1083              | 708               |
|                         | 0.70                     | 1162              | 178                  | 1071              | 170               |
|                         | 1.05                     | 1109              | 125                  | 1064              | 85                |
|                         | 1.41                     | 1086              |                      | 1060              | 42                |
|                         | Kg/cm2@0 Vac             | 1052              | (1.53)               |                   |                   |
| 2.11                    | 0.00                     | 1291              | 178                  | 1211              | 1416              |
|                         | 0.35                     | 1291              | 178                  | 1211              | 963               |
|                         | 0.70                     | 1264              | 178                  | 1211              | 283               |
|                         | 1.05                     | 1257              | 163                  | 1188              | 136               |
|                         | 1.41                     | 1196              | 87                   | 1181              | 79                |
|                         | 1.76                     | 1166              |                      | 1177              | 42                |
| Kg/cm2@0 Vac            | 1154                     | (1.83)            |                      |                   |                   |
| 2.46                    | 0.00                     | 1363              | 178                  | 1287              | 1557              |
|                         | 0.35                     | 1363              | 178                  | 1287              | 1132              |
|                         | 0.7                      | 1363              | 178                  | 1287              | 340               |
|                         | 1.05                     | 1363              | 178                  | 1279              | 226               |
|                         | 1.41                     | 1336              | 167                  | 1279              | 113               |
|                         | 1.76                     | 1287              | 91                   | 1279              | 71                |
| Kg/cm2@0 Vac            | 1249                     | (2.15)            |                      |                   |                   |
| 2.81                    | 0.00                     | 1446              | 178                  | 1378              | 1840              |
|                         | 0.35                     | 1446              | 178                  | 1378              | 1274              |
|                         | 0.70                     | 1446              | 178                  | 1378              | 396               |
|                         | 1.05                     | 1446              | 178                  | 1366              | 255               |
|                         | 1.41                     | 1419              | 178                  | 1366              | 142               |
|                         | 1.76                     | 1393              | 117                  | 1366              | 99                |
|                         | 2.11                     | 1359              | 57                   | 1363              | 57                |
| psi @ 0 Vacuum          | 1344                     | (2.46)            |                      |                   |                   |
| 3.16                    | 0.00                     | 1522              | 178                  | 1457              | 1982              |
|                         | 0.35                     | 1522              | 178                  | 1457              | 1557              |
|                         | 0.70                     | 1522              | 178                  | 1457              | 481               |
|                         | 1.05                     | 1522              | 178                  | 1457              | 283               |
|                         | 1.41                     | 1522              | 178                  | 1450              | 226               |
|                         | 1.76                     | 1522              | 178                  | 1450              | 113               |
|                         | 2.11                     | 1465              | 151                  | 1450              | 85                |
|                         | 2.46                     | 1438              | 61                   | 1419              | 57                |
| psi @ 0 Vacuum          | 1408                     | (2.74)            |                      |                   |                   |
| 3.52                    | 0.00                     | 1575              | 178                  | 1533              | 2067              |
|                         | 0.70                     | 1575              | 178                  | 1533              | 1132              |
|                         | 1.05                     | 1575              | 178                  | 1533              | 368               |
|                         | 1.41                     | 1575              | 178                  | 1533              | 226               |
|                         | 1.76                     | 1575              | 178                  | 1533              | 142               |
|                         | 2.11                     | 1575              | 167                  | 1533              | 108               |
|                         | 2.46                     | 1556              | 102                  | 1533              | 71                |
|                         | 2.81                     | 1522              | 23                   | 1514              | 57                |
| Kg/cm2@0 Vac            | 1476                     | (3.04)            |                      |                   |                   |

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| Operating Pressure      |                          | Metric            |                      |                   |                   |
|-------------------------|--------------------------|-------------------|----------------------|-------------------|-------------------|
|                         |                          | Model 4091        |                      | Model 4091        |                   |
| Injector Inlet (Kg/cm2) | Injector Outlet (Kg/cm2) | Motive Flow (l/m) | Liquid Suction (l/m) | Motive Flow (l/m) | Air Suction (l/m) |
| 4.22                    | 0.00                     | 1741              | 178                  | 1692              | 2265              |
|                         | 0.70                     | 1741              | 178                  | 1692              | 1557              |
|                         | 1.41                     | 1741              | 178                  | 1692              | 340               |
|                         | 1.76                     | 1741              | 178                  | 1692              | 198               |
|                         | 2.11                     | 1741              | 178                  | 1692              | 170               |
|                         | 2.46                     | 1741              | 174                  | 1692              | 127               |
|                         | 2.81                     | 1711              | 159                  | 1688              | 99                |
|                         | 3.16                     | 1692              | 106                  | 1688              | 71                |
|                         | Kg/cm2@0 Vac             | 1646              | (3.59)               |                   |                   |
|                         | 4.92                     | 0.00              | 1874                 | 174               | 1828              |
| 0.70                    |                          | 1874              | 174                  | 1828              | 1557              |
| 1.41                    |                          | 1874              | 174                  | 1828              | 425               |
| 2.11                    |                          | 1874              | 174                  | 1828              | 255               |
| 2.46                    |                          | 1874              | 174                  | 1828              | 170               |
| 2.81                    |                          | 1874              | 174                  | 1821              | 136               |
| 3.16                    |                          | 1855              | 174                  | 1821              | 108               |
| 3.52                    |                          | 1821              | 117                  | 1817              | 76                |
| 3.87                    | 1779                     | 61                | 1779                 | 65                |                   |
| Kg/cm2@0 Vac            | 1775                     | (4.26)            |                      |                   |                   |
| 5.62                    | 0.00                     | 2014              | 170                  | 1953              | 2491              |
|                         | 1.41                     | 2014              | 170                  | 1953              | 708               |
|                         | 2.11                     | 2014              | 170                  | 1953              | 396               |
|                         | 2.46                     | 2014              | 170                  | 1953              | 255               |
|                         | 2.81                     | 2014              | 170                  | 1953              | 184               |
|                         | 3.16                     | 2014              | 170                  | 1945              | 142               |
|                         | 3.52                     | 2002              | 170                  | 1945              | 122               |
|                         | 3.87                     | 2002              | 163                  | 1945              | 91                |
|                         | 4.22                     | 2002              | 114                  | 1945              | 76                |
|                         | 4.57                     | 1942              | 53                   | 1945              | 68                |
| Kg/cm2@0 Vac            | 1896                     | (4.89)            |                      |                   |                   |
| 6.33                    | 0.00                     | 2154              | 159                  | 2089              | 2491              |
|                         | 1.41                     | 2154              | 159                  | 2089              | 1585              |
|                         | 2.11                     | 2154              | 159                  | 2089              | 708               |
|                         | 2.81                     | 2154              | 159                  | 2089              | 396               |
|                         | 3.16                     | 2154              | 159                  | 2089              | 283               |
|                         | 3.52                     | 2154              | 151                  | 2074              | 170               |
|                         | 3.87                     | 2154              | 148                  | 2059              | 85                |
|                         | 4.22                     | 2135              | 148                  | 2051              | 71                |
|                         | 4.57                     | 2089              | 132                  | 2044              | 65                |
|                         | 4.92                     | 2074              | 106                  | 2044              | 59                |
|                         | 5.27                     | 2021              | 53                   | 2017              | 57                |
| Kg/cm2@0 Vac            | 2006                     | (5.57)            |                      |                   |                   |
| 7.03                    | 0.00                     | 2271              | 159                  | 2192              | 2548              |
|                         | 1.41                     | 2271              | 159                  | 2192              | 1699              |
|                         | 2.81                     | 2271              | 159                  | 2192              | 396               |
|                         | 3.52                     | 2271              | 159                  | 2192              | 226               |
|                         | 4.22                     | 2271              | 159                  | 2192              | 170               |
|                         | 4.57                     | 2271              | 159                  | 2192              | 142               |
|                         | 4.92                     | 2245              | 148                  | 2176              | 85                |
|                         | 5.27                     | 2210              | 129                  | 2165              | 71                |
|                         | 5.62                     | 2195              | 57                   | 2157              | 57                |
|                         | Kg/cm2@0 Vac             | 2127              | (6.24)               |                   |                   |