

## MFMII - Fire Line Meters (4", 6", 8", 10", 12")

| <b>4" MFMII</b>         |          |          |                     |          |          |          |
|-------------------------|----------|----------|---------------------|----------|----------|----------|
| Min Flow = 50 GPM       |          |          | Max Flow = 1250 GPM |          |          |          |
| <i>At Min Flow:</i>     |          |          | <i>At Max Flow:</i> |          |          |          |
| Terminal                |          |          | Terminal            |          |          |          |
|                         | <b>A</b> | <b>B</b> | <b>C</b>            | <b>A</b> | <b>B</b> | <b>C</b> |
| Pulses per minute       | 96.6     | 12.1     | 1.5                 | 2414.3   | 301.8    | 37.7     |
| Gallons per pulse       | 0.518    | 4.142    | 33.136              | 0.518    | 4.142    | 33.136   |
| Pulse Length in seconds | 0.311    | 2.485    | 19.882              | 0.012    | 0.099    | 0.795    |

| <b>6" MFMII</b>         |          |          |                     |          |          |          |
|-------------------------|----------|----------|---------------------|----------|----------|----------|
| Min Flow = 135 GPM      |          |          | Max Flow = 2600 GPM |          |          |          |
| <i>At Min Flow:</i>     |          |          | <i>At Max Flow:</i> |          |          |          |
| Terminal                |          |          | Terminal            |          |          |          |
|                         | <b>A</b> | <b>B</b> | <b>C</b>            | <b>A</b> | <b>B</b> | <b>C</b> |
| Pulses per minute       | 148.5    | 18.6     | 2.3                 | 2859.8   | 357.5    | 44.7     |
| Gallons per pulse       | 0.909    | 7.273    | 58.186              | 0.909    | 7.273    | 58.186   |
| Pulse Length in seconds | 0.202    | 1.616    | 12.93               | 0.01     | 0.084    | 0.671    |

| <b>8" MFMII</b>         |          |          |                     |          |          |          |
|-------------------------|----------|----------|---------------------|----------|----------|----------|
| Min Flow = 230 GPM      |          |          | Max Flow = 5000 GPM |          |          |          |
| <i>At Min Flow:</i>     |          |          | <i>At Max Flow:</i> |          |          |          |
| Terminal                |          |          | Terminal            |          |          |          |
|                         | <b>A</b> | <b>B</b> | <b>C</b>            | <b>A</b> | <b>B</b> | <b>C</b> |
| Pulses per minute       | 157.1    | 19.6     | 2.5                 | 3414.4   | 426.8    | 53.4     |
| Gallons per pulse       | 1.464    | 11.715   | 93.721              | 1.464    | 11.715   | 93.721   |
| Pulse Length in seconds | 0.191    | 1.528    | 12.224              | 0.009    | 0.07     | 0.562    |

| <b>10" MFMII</b>        |          |          |                     |          |          |          |
|-------------------------|----------|----------|---------------------|----------|----------|----------|
| Min Flow = 520 GPM      |          |          | Max Flow = 7750 GPM |          |          |          |
| <i>At Min Flow:</i>     |          |          | <i>At Max Flow:</i> |          |          |          |
| Terminal                |          |          | Terminal            |          |          |          |
|                         | <b>A</b> | <b>B</b> | <b>C</b>            | <b>A</b> | <b>B</b> | <b>C</b> |
| Pulses per minute       | 184.1    | 23       | 2.9                 | 2743.1   | 342.9    | 42.9     |
| Gallons per pulse       | 2.825    | 22.602   | 180.82              | 2.825    | 22.602   | 180.82   |
| Pulse Length in seconds | 0.163    | 1.304    | 10.432              | 0.011    | 0.087    | 0.699    |

| <b>12" MFMII</b>        |          |          |                     |          |          |          |
|-------------------------|----------|----------|---------------------|----------|----------|----------|
| Min Flow = 510 GPM      |          |          | Max Flow = 8000 GPM |          |          |          |
| <i>At Min Flow:</i>     |          |          | <i>At Max Flow:</i> |          |          |          |
| Terminal                |          |          | Terminal            |          |          |          |
|                         | <b>A</b> | <b>B</b> | <b>C</b>            | <b>A</b> | <b>B</b> | <b>C</b> |
| Pulses per minute       | 180.5    | 22.6     | 2.8                 | 2831.6   | 353.9    | 44.2     |
| Gallons per pulse       | 2.825    | 22.602   | 180.82              | 2.825    | 22.602   | 180.82   |
| Pulse Length in seconds | 0.166    | 1.33     | 10.636              | 0.011    | 0.085    | 0.678    |

## MCTII - Compound Meters (2", 3", 4", 6", 8")

| <b>2" MCTII Main Line</b> |                     |          |          |                     |          |          |
|---------------------------|---------------------|----------|----------|---------------------|----------|----------|
|                           | Min Flow = 10 GPM   |          |          | Max Flow = 160 GPM  |          |          |
|                           | <i>At Min Flow:</i> |          |          | <i>At Max Flow:</i> |          |          |
|                           | Terminal            |          |          | Terminal            |          |          |
|                           | <b>A</b>            | <b>B</b> | <b>C</b> | <b>A</b>            | <b>B</b> | <b>C</b> |
| Pulses per minute         | 192.1               | 24       | 3        | 3074                | 384.2    | 48       |
| Gallons per pulse         | 0.052               | 0.416    | 3.331    | 0.052               | 0.416    | 3.331    |
| Pulse Length in seconds   | 0.156               | 1.249    | 9.994    | 0.0098              | 0.0781   | 0.625    |

| <b>2" MCTII Bypass</b>  |                     |          |          |                     |          |          |
|-------------------------|---------------------|----------|----------|---------------------|----------|----------|
|                         | Min Flow = ¼ GPM    |          |          | Max Flow = 10 GPM   |          |          |
|                         | <i>At Min Flow:</i> |          |          | <i>At Max Flow:</i> |          |          |
|                         | Terminal            |          |          | Terminal            |          |          |
|                         | <b>A</b>            | <b>B</b> | <b>C</b> | <b>A</b>            | <b>B</b> | <b>C</b> |
| Pulses per minute       | 40.5                | 5.1      | 0.6      | 1618.6              | 202.3    | 25.3     |
| Gallons per pulse       | 0.006               | 0.049    | 0.395    | 0.006               | 0.049    | 0.395    |
| Pulse Length in seconds | 0.741               | 5.931    | 47.45    | 0.019               | 0.148    | 1.186    |

| <b>3" MCTII Main Line</b> |                     |          |          |                     |          |          |
|---------------------------|---------------------|----------|----------|---------------------|----------|----------|
|                           | Min Flow = 15 GPM   |          |          | Max Flow = 320 GPM  |          |          |
|                           | <i>At Min Flow:</i> |          |          | <i>At Max Flow:</i> |          |          |
|                           | Terminal            |          |          | Terminal            |          |          |
|                           | <b>A</b>            | <b>B</b> | <b>C</b> | <b>A</b>            | <b>B</b> | <b>C</b> |
| Pulses per minute         | 115.6               | 14.4     | 1.8      | 2465.8              | 308.2    | 38.5     |
| Gallons per pulse         | 0.13                | 1.038    | 8.306    | 0.13                | 1.038    | 8.306    |
| Pulse Length in seconds   | 0.259               | 2.076    | 16.611   | 0.012               | 0.097    | 0.779    |

| <b>3" MCTII Bypass</b>  |                     |          |          |                     |          |          |
|-------------------------|---------------------|----------|----------|---------------------|----------|----------|
|                         | Min Flow = ½ GPM    |          |          | Max Flow = 15 GPM   |          |          |
|                         | <i>At Min Flow:</i> |          |          | <i>At Max Flow:</i> |          |          |
|                         | Terminal            |          |          | Terminal            |          |          |
|                         | <b>A</b>            | <b>B</b> | <b>C</b> | <b>A</b>            | <b>B</b> | <b>C</b> |
| Pulses per minute       | 59.3                | 7.4      | 0.9      | 1777.8              | 222.2    | 27.8     |
| Gallons per pulse       | 0.008               | 0.067    | 0.54     | 0.008               | 0.067    | 0.54     |
| Pulse Length in seconds | 0.506               | 4.05     | 32.4     | 0.017               | 0.135    | 1.08     |

| <b>4" MCTII Main Line</b> |                     |          |          |                     |          |          |
|---------------------------|---------------------|----------|----------|---------------------|----------|----------|
|                           | Min Flow = 20 GPM   |          |          | Max Flow = 500 GPM  |          |          |
|                           | <i>At Min Flow:</i> |          |          | <i>At Max Flow:</i> |          |          |
|                           | Terminal            |          |          | Terminal            |          |          |
|                           | <b>A</b>            | <b>B</b> | <b>C</b> | <b>A</b>            | <b>B</b> | <b>C</b> |
| Pulses per minute         | 68.7                | 8.6      | 1.1      | 1718.4              | 214.8    | 26.8     |
| Gallons per pulse         | 0.291               | 2.328    | 18.622   | 0.291               | 2.328    | 18.622   |
| Pulse Length in seconds   | 0.436               | 3.492    | 27.934   | 0.017               | 0.14     | 1.117    |

| <b>4" MCTII Bypass</b>  |                     |          |          |                     |          |          |
|-------------------------|---------------------|----------|----------|---------------------|----------|----------|
|                         | Min Flow = 3/4 GPM  |          |          | Max Flow = 20 GPM   |          |          |
|                         | <i>At Min Flow:</i> |          |          | <i>At Max Flow:</i> |          |          |
|                         | Terminal            |          |          | Terminal            |          |          |
|                         | <b>A</b>            | <b>B</b> | <b>C</b> | <b>A</b>            | <b>B</b> | <b>C</b> |
| Pulses per minute       | 39.4                | 4.9      | 0.6      | 1049.8              | 131.2    | 16.4     |
| Gallons per pulse       | 0.019               | 0.152    | 1.219    | 0.019               | 0.152    | 1.219    |
| Pulse Length in seconds | 0.762               | 6.097    | 48.773   | 0.029               | 0.229    | 1.829    |

| <b>6" MCTII Main Line</b> |                     |          |          |                     |          |          |
|---------------------------|---------------------|----------|----------|---------------------|----------|----------|
|                           | Min Flow = 65 GPM   |          |          | Max Flow = 1000 GPM |          |          |
|                           | <i>At Min Flow:</i> |          |          | <i>At Max Flow:</i> |          |          |
|                           | Terminal            |          |          | Terminal            |          |          |
|                           | <b>A</b>            | <b>B</b> | <b>C</b> | <b>A</b>            | <b>B</b> | <b>C</b> |
| Pulses per minute         | 58.1                | 7.3      | 0.9      | 893.8               | 111.7    | 14       |
| Gallons per pulse         | 1.119               | 8.951    | 71.604   | 1.119               | 8.951    | 71.604   |
| Pulse Length in seconds   | 0.516               | 4.131    | 33.048   | 0.034               | 0.269    | 2.148    |

| <b>6" MCTII Bypass</b>  |                      |          |          |                     |          |          |
|-------------------------|----------------------|----------|----------|---------------------|----------|----------|
|                         | Min Flow = 1-1/2 GPM |          |          | Max Flow = 65 GPM   |          |          |
|                         | <i>At Min Flow:</i>  |          |          | <i>At Max Flow:</i> |          |          |
|                         | Terminal             |          |          | Terminal            |          |          |
|                         | <b>A</b>             | <b>B</b> | <b>C</b> | <b>A</b>            | <b>B</b> | <b>C</b> |
| Pulses per minute       | 36.4                 | 4.5      | 0.6      | 1576.1              | 197      | 24.6     |
| Gallons per pulse       | 0.041                | 0.33     | 2.639    | 0.041               | 0.33     | 2.639    |
| Pulse Length in seconds | 0.825                | 6.599    | 52.789   | 0.019               | 0.152    | 1.218    |

| <b>8" MCTII Main Line</b> |          |          |                     |          |          |          |
|---------------------------|----------|----------|---------------------|----------|----------|----------|
| Min Flow = 75 GPM         |          |          | Max Flow = 1600 GPM |          |          |          |
| <i>At Min Flow:</i>       |          |          | <i>At Max Flow:</i> |          |          |          |
| Terminal                  |          |          | Terminal            |          |          |          |
|                           | <b>A</b> | <b>B</b> | <b>C</b>            | <b>A</b> | <b>B</b> | <b>C</b> |
| Pulses per minute         | 58.4     | 7.3      | 0.9                 | 1244.8   | 155.6    | 19.5     |
| Gallons per pulse         | 1.285    | 10.283   | 82.262              | 1.285    | 10.283   | 82.262   |
| Pulse Length in seconds   | 0.514    | 4.113    | 32.905              | 0.024    | 0.193    | 1.542    |

| <b>8" MCTII Bypass</b> |          |          |                     |          |          |
|------------------------|----------|----------|---------------------|----------|----------|
| Min Flow = 2 GPM       |          |          | Max Flow = 75 GPM   |          |          |
| <i>At Min Flow:</i>    |          |          | <i>At Max Flow:</i> |          |          |
| Terminal               |          |          | Terminal            |          |          |
| <b>A</b>               | <b>B</b> | <b>C</b> | <b>A</b>            | <b>B</b> | <b>C</b> |
| 30                     | 3.7      | 0.5      | 1123.4              | 140.4    | 17.6     |
| 0.067                  | 0.534    | 4.273    | 0.067               | 0.534    | 4.273    |
| 1.001                  | 8.012    | 64.094   | 0.027               | 0.214    | 1.709    |

# Horizon - Horizontal Turbine Meters (1-1/2", 2", 3", 4", 6", 8", 10")

| <i>1-1/2" Horizon</i>   |       |        |                     |       |       |        |
|-------------------------|-------|--------|---------------------|-------|-------|--------|
| Min Flow = 2-1/2 GPM    |       |        | Max Flow = 120 GPM  |       |       |        |
| <i>At Min Flow:</i>     |       |        | <i>At Max Flow:</i> |       |       |        |
| Terminal                |       |        | Terminal            |       |       |        |
|                         | A     | B      | C                   | A     | B     | C      |
| Pulses per minute       | 10.9  | 1.4    | 0.2                 | 656   | 82    | 10.2   |
| Gallons per pulse       | 0.183 | 1.463  | 11.708              | 0.183 | 1.463 | 11.708 |
| Pulse Length in seconds | 2.744 | 21.952 | 175.61              | 0.046 | 0.366 | 2.927  |

| <i>2" Horizon</i>       |       |        |                     |       |       |        |
|-------------------------|-------|--------|---------------------|-------|-------|--------|
| Min Flow = 2-1/2 GPM    |       |        | Max Flow = 160 GPM  |       |       |        |
| <i>At Min Flow:</i>     |       |        | <i>At Max Flow:</i> |       |       |        |
| Terminal                |       |        | Terminal            |       |       |        |
|                         | A     | B      | C                   | A     | B     | C      |
| Pulses per minute       | 13.6  | 1.7    | 0.2                 | 870.9 | 108.9 | 13.6   |
| Gallons per pulse       | 0.184 | 1.47   | 11.757              | 0.184 | 1.47  | 11.757 |
| Pulse Length in seconds | 2.205 | 17.636 | 141.09              | 0.034 | 0.276 | 2.205  |

| <i>3" Horizon</i>       |      |        |                     |       |       |        |
|-------------------------|------|--------|---------------------|-------|-------|--------|
| Min Flow = 3 GPM        |      |        | Max Flow = 750 GPM  |       |       |        |
| <i>At Min Flow:</i>     |      |        | <i>At Max Flow:</i> |       |       |        |
| Terminal                |      |        | Terminal            |       |       |        |
|                         | A    | B      | C                   | A     | B     | C      |
| Pulses per minute       | 9.7  | 1.2    | 0.2                 | 2419  | 302.4 | 37.8   |
| Gallons per pulse       | 0.31 | 2.48   | 19.843              | 0.31  | 2.48  | 19.843 |
| Pulse Length in seconds | 3.1  | 24.804 | 198.43              | 0.012 | 0.099 | 0.794  |

| <i>4" Horizon</i>       |       |        |                     |        |       |        |
|-------------------------|-------|--------|---------------------|--------|-------|--------|
| Min Flow = 4 GPM        |       |        | Max Flow = 1250 GPM |        |       |        |
| <i>At Min Flow:</i>     |       |        | <i>At Max Flow:</i> |        |       |        |
| Terminal                |       |        | Terminal            |        |       |        |
|                         | A     | B      | C                   | A      | B     | C      |
| Pulses per minute       | 12.8  | 1.6    | 0.2                 | 4013.5 | 501.7 | 62.7   |
| Gallons per pulse       | 0.311 | 2.492  | 19.933              | 0.311  | 2.492 | 19.933 |
| Pulse Length in seconds | 2.336 | 18.687 | 149.5               | 0.007  | 0.06  | 0.478  |

| <i>6" Horizon</i>       |        |        |                     |       |        |        |
|-------------------------|--------|--------|---------------------|-------|--------|--------|
| Min Flow = 9 GPM        |        |        | Max Flow = 2600 GPM |       |        |        |
| <i>At Min Flow:</i>     |        |        | <i>At Max Flow:</i> |       |        |        |
| Terminal                |        |        | Terminal            |       |        |        |
|                         | A      | B      | C                   | A     | B      | C      |
| Pulses per minute       | 3      | 0.4    | 0                   | 863.6 | 107.9  | 13.5   |
| Gallons per pulse       | 3.011  | 24.085 | 192.68              | 3.011 | 24.085 | 192.68 |
| Pulse Length in seconds | 10.036 | 80.285 | 642.28              | 0.035 | 0.278  | 2.223  |

| <i>8" Horizon</i>       |       |        |                     |        |        |        |
|-------------------------|-------|--------|---------------------|--------|--------|--------|
| Min Flow = 18 GPM       |       |        | Max Flow = 4400 GPM |        |        |        |
| <i>At Min Flow:</i>     |       |        | <i>At Max Flow:</i> |        |        |        |
| Terminal                |       |        | Terminal            |        |        |        |
|                         | A     | B      | C                   | A      | B      | C      |
| Pulses per minute       | 7.6   | 0.9    | 0.1                 | 1849.1 | 231.1  | 28.9   |
| Gallons per pulse       | 2.38  | 19.036 | 152.29              | 2.38   | 19.036 | 152.29 |
| Pulse Length in seconds | 3.966 | 31.727 | 253.81              | 0.016  | 0.13   | 1.038  |

| <i>10" Horizon</i>      |       |        |                     |        |        |        |
|-------------------------|-------|--------|---------------------|--------|--------|--------|
| Min Flow = 30 GPM       |       |        | Max Flow = 7000 GPM |        |        |        |
| <i>At Min Flow:</i>     |       |        | <i>At Max Flow:</i> |        |        |        |
| Terminal                |       |        | Terminal            |        |        |        |
|                         | A     | B      | C                   | A      | B      | C      |
| Pulses per minute       | 10.1  | 1.3    | 0.2                 | 2348.1 | 293.5  | 36.7   |
| Gallons per pulse       | 2.981 | 23.849 | 190.79              | 2.981  | 23.849 | 190.79 |
| Pulse Length in seconds | 2.981 | 23.849 | 190.79              | 0.013  | 0.102  | 0.818  |

# MVR/RFM - Vertical Turbine Meters (3/4", 1", 1-1/2", 2", 3", 4", 6")

| <b>3/4" MVR/RFM 30</b>  |       |       |                     |        |        |       |  |  |
|-------------------------|-------|-------|---------------------|--------|--------|-------|--|--|
| Min Flow = 1/2 GPM      |       |       | Max Flow = 35 GPM   |        |        |       |  |  |
| <i>At Min Flow:</i>     |       |       | <i>At Max Flow:</i> |        |        |       |  |  |
| Terminal                |       |       | Terminal            |        |        |       |  |  |
|                         |       |       | A                   | B      | C      |       |  |  |
| Pulses per minute       | 146.4 | 18.3  | 2.3                 | 10246  | 1280.8 | 160.1 |  |  |
| Gallons per pulse       | 0.003 | 0.027 | 0.219               | 0.003  | 0.027  | 0.219 |  |  |
| Pulse Length in seconds | 0.205 | 1.64  | 13.117              | 0.0029 | 0.0234 | 0.187 |  |  |

| <b>1" MVR/RFM 50</b>    |       |       |                     |        |       |       |
|-------------------------|-------|-------|---------------------|--------|-------|-------|
| Min Flow = 3/4 GPM      |       |       | Max Flow = 55 GPM   |        |       |       |
| <i>At Min Flow:</i>     |       |       | <i>At Max Flow:</i> |        |       |       |
| Terminal                |       |       | Terminal            |        |       |       |
|                         |       | A     | B                   | C      |       |       |
| Pulses per minute       | 104.8 | 13.1  | 1.6                 | 7687.2 | 960.9 | 120.1 |
| Gallons per pulse       | 0.007 | 0.057 | 0.458               | 0.007  | 0.057 | 0.458 |
| Pulse Length in seconds | 0.286 | 2.29  | 18.316              | 0.004  | 0.031 | 0.25  |

| <b>1-1/2" MVR/RFM 100</b> |       |       |                     |       |        |       |
|---------------------------|-------|-------|---------------------|-------|--------|-------|
| Min Flow = 1-1/2 GPM      |       |       | Max Flow = 110 GPM  |       |        |       |
| <i>At Min Flow:</i>       |       |       | <i>At Max Flow:</i> |       |        |       |
| Terminal                  |       |       | Terminal            |       |        |       |
|                           |       | A     | B                   | C     |        |       |
| Pulses per minute         | 155.2 | 19.4  | 2.4                 | 11381 | 1422.6 | 177.8 |
| Gallons per pulse         | 0.01  | 0.077 | 0.619               | 0.01  | 0.077  | 0.619 |
| Pulse Length in seconds   | 0.193 | 1.546 | 12.371              | 0.003 | 0.0211 | 0.169 |

| <b>2" MVR/RFM 160</b>   |       |       |                     |        |       |      |
|-------------------------|-------|-------|---------------------|--------|-------|------|
| Min Flow = 2 GPM        |       |       | Max Flow = 175 GPM  |        |       |      |
| <i>At Min Flow:</i>     |       |       | <i>At Max Flow:</i> |        |       |      |
| Terminal                |       |       | Terminal            |        |       |      |
|                         |       | A     | B                   | C      |       |      |
| Pulses per minute       | 62.8  | 7.8   | 1                   | 5492.5 | 686.6 | 85.8 |
| Gallons per pulse       | 0.032 | 0.255 | 2.04                | 0.032  | 0.255 | 2.04 |
| Pulse Length in seconds | 0.478 | 3.823 | 30.587              | 0.005  | 0.044 | 0.35 |

| <b>3" MVR 350</b>       |       |       |                     |        |       |       |
|-------------------------|-------|-------|---------------------|--------|-------|-------|
| Min Flow = 2-1/2 GPM    |       |       | Max Flow = 390 GPM  |        |       |       |
| <i>At Min Flow:</i>     |       |       | <i>At Max Flow:</i> |        |       |       |
| Terminal                |       |       | Terminal            |        |       |       |
|                         |       | A     | B                   | C      |       |       |
| Pulses per minute       | 37    | 4.6   | 0.6                 | 5779.5 | 722.4 | 90.3  |
| Gallons per pulse       | 0.067 | 0.54  | 4.32                | 0.067  | 0.54  | 4.32  |
| Pulse Length in seconds | 0.81  | 6.478 | 51.825              | 0.005  | 0.042 | 0.332 |

| <b>4" MVR 650</b>       |       |       |                     |        |       |       |
|-------------------------|-------|-------|---------------------|--------|-------|-------|
| Min Flow = 3-1/2 GPM    |       |       | Max Flow = 715 GPM  |        |       |       |
| <i>At Min Flow:</i>     |       |       | <i>At Max Flow:</i> |        |       |       |
| Terminal                |       |       | Terminal            |        |       |       |
|                         |       | A     | B                   | C      |       |       |
| Pulses per minute       | 32.3  | 4     | 0.5                 | 6595.7 | 824.5 | 103.1 |
| Gallons per pulse       | 0.108 | 0.867 | 6.938               | 0.108  | 0.867 | 6.938 |
| Pulse Length in seconds | 0.929 | 7.433 | 59.467              | 0.005  | 0.036 | 0.291 |

| <b>6" MVR 1300</b>      |       |        |                     |       |       |        |
|-------------------------|-------|--------|---------------------|-------|-------|--------|
| Min Flow = 5 GPM        |       |        | Max Flow = 1430 GPM |       |       |        |
| <i>At Min Flow:</i>     |       |        | <i>At Max Flow:</i> |       |       |        |
| Terminal                |       |        | Terminal            |       |       |        |
|                         |       | A      | B                   | C     |       |        |
| Pulses per minute       | 11.3  | 1.4    | 0.2                 | 3241  | 405.1 | 50.6   |
| Gallons per pulse       | 0.441 | 3.353  | 28.239              | 0.441 | 3.353 | 28.239 |
| Pulse Length in seconds | 2.647 | 21.179 | 169.43              | 0.009 | 0.074 | 0.592  |

## PD - Positive Displacement Meters (5/8", 3/4", 1", 2")

| 5/8" 420 Composite PD   |       |       |                   |       |       |       |
|-------------------------|-------|-------|-------------------|-------|-------|-------|
| Min Flow = 1/4 GPM      |       |       | Max Flow = 25 GPM |       |       |       |
| At Min Flow:            |       |       | At Max Flow:      |       |       |       |
| Terminal                |       |       | Terminal          |       |       |       |
|                         | A     | B     | C                 | A     | B     | C     |
| Pulses per minute       | 56.5  | 7.1   | 0.9               | 5651  | 706.4 | 88.3  |
| Gallons per pulse       | 0.004 | 0.035 | 0.283             | 0.004 | 0.035 | 0.283 |
| Pulse Length in seconds | 0.531 | 4.247 | 33.976            | 0.005 | 0.042 | 0.34  |

| 5/8" 430 PD             |       |      |                   |       |       |       |
|-------------------------|-------|------|-------------------|-------|-------|-------|
| Min Flow = 1/4 GPM      |       |      | Max Flow = 25 GPM |       |       |       |
| At Min Flow:            |       |      | At Max Flow:      |       |       |       |
| Terminal                |       |      | Terminal          |       |       |       |
|                         | A     | B    | C                 | A     | B     | C     |
| Pulses per minute       | 49.6  | 6.2  | 0.8               | 4959  | 619.9 | 77.5  |
| Gallons per pulse       | 0.005 | 0.04 | 0.323             | 0.005 | 0.04  | 0.323 |
| Pulse Length in seconds | 0.605 | 4.84 | 38.718            | 0.006 | 0.048 | 0.387 |

| 3/4" 435 Composite PD   |   |   |                   |   |   |   |
|-------------------------|---|---|-------------------|---|---|---|
| Min Flow = 1/2 GPM      |   |   | Max Flow = 35 GPM |   |   |   |
| At Min Flow:            |   |   | At Max Flow:      |   |   |   |
| Terminal                |   |   | Terminal          |   |   |   |
|                         | A | B | C                 | A | B | C |
| Pulses per minute       |   |   |                   |   |   |   |
| Gallons per pulse       |   |   |                   |   |   |   |
| Pulse Length in seconds |   |   |                   |   |   |   |

| 3/4" 442 PD             |       |       |                   |        |       |       |
|-------------------------|-------|-------|-------------------|--------|-------|-------|
| Min Flow = 1/2 GPM      |       |       | Max Flow = 35 GPM |        |       |       |
| At Min Flow:            |       |       | At Max Flow:      |        |       |       |
| Terminal                |       |       | Terminal          |        |       |       |
|                         | A     | B     | C                 | A      | B     | C     |
| Pulses per minute       | 44.9  | 5.6   | 0.7               | 3142.3 | 392.8 | 49.1  |
| Gallons per pulse       | 0.011 | 0.089 | 0.713             | 0.011  | 0.089 | 0.713 |
| Pulse Length in seconds | 0.668 | 5.346 | 42.771            | 0.01   | 0.076 | 0.611 |

| 1" 445 Composite PD     |   |   |                   |   |   |   |
|-------------------------|---|---|-------------------|---|---|---|
| Min Flow = 3/4 GPM      |   |   | Max Flow = 50 GPM |   |   |   |
| At Min Flow:            |   |   | At Max Flow:      |   |   |   |
| Terminal                |   |   | Terminal          |   |   |   |
|                         | A | B | C                 | A | B | C |
| Pulses per minute       |   |   |                   |   |   |   |
| Gallons per pulse       |   |   |                   |   |   |   |
| Pulse Length in seconds |   |   |                   |   |   |   |

| 1" 452 PD               |       |       |                   |        |       |       |
|-------------------------|-------|-------|-------------------|--------|-------|-------|
| Min Flow = 3/4 GPM      |       |       | Max Flow = 50 GPM |        |       |       |
| At Min Flow:            |       |       | At Max Flow:      |        |       |       |
| Terminal                |       |       | Terminal          |        |       |       |
|                         | A     | B     | C                 | A      | B     | C     |
| Pulses per minute       | 35    | 4.4   | 0.5               | 2336.2 | 292   | 36.5  |
| Gallons per pulse       | 0.021 | 0.171 | 1.37              | 0.021  | 0.171 | 1.37  |
| Pulse Length in seconds | 0.856 | 6.849 | 54.79             | 0.013  | 0.103 | 0.822 |

| 1 1/2" 562 PD           |       |       |                    |        |       |       |
|-------------------------|-------|-------|--------------------|--------|-------|-------|
| Min Flow = 1-1/2 GPM    |       |       | Max Flow = 100 GPM |        |       |       |
| At Min Flow:            |       |       | At Max Flow:       |        |       |       |
| Terminal                |       |       | Terminal           |        |       |       |
|                         | A     | B     | C                  | A      | B     | C     |
| Pulses per minute       | 38.8  | 4.9   | 0.6                | 2589.3 | 323.7 | 40.5  |
| Gallons per pulse       | 0.039 | 0.309 | 2.472              | 0.039  | 0.309 | 2.472 |
| Pulse Length in seconds | 0.772 | 6.179 | 49.434             | 0.012  | 0.093 | 0.742 |

| 2" 572 PD               |       |       |                    |       |       |       |
|-------------------------|-------|-------|--------------------|-------|-------|-------|
| Min Flow = 2 GPM        |       |       | Max Flow = 160 GPM |       |       |       |
| At Min Flow:            |       |       | At Max Flow:       |       |       |       |
| Terminal                |       |       | Terminal           |       |       |       |
|                         | A     | B     | C                  | A     | B     | C     |
| Pulses per minute       | 31.4  | 3.9   | 0.5                | 2508  | 313.5 | 39.2  |
| Gallons per pulse       | 0.064 | 0.51  | 4.083              | 0.064 | 0.51  | 4.083 |
| Pulse Length in seconds | 0.957 | 7.655 | 61.244             | 0.012 | 0.096 | 0.766 |

## FM<sup>3</sup> Meters (3", 4", 6", 8" & 10")

| 3" FM3                  |       |        |                     |       |       |        |
|-------------------------|-------|--------|---------------------|-------|-------|--------|
| Min Flow = 1/4 GPM      |       |        | Max Flow = 25 GPM   |       |       |        |
| <i>At Min Flow:</i>     |       |        | <i>At Max Flow:</i> |       |       |        |
| Terminal                |       |        | Terminal            |       |       |        |
|                         | A     | B      | C                   | A     | B     | C      |
| Pulses per minute       | 5.1   | 0.6    | 0.1                 | 1278  | 159.8 | 20     |
| Gallons per pulse       | 0.587 | 4.695  | 37.559              | 0.587 | 4.695 | 37.559 |
| Pulse Length in seconds | 5.869 | 46.945 | 375.59              | 0.024 | 0.188 | 1.502  |

| 4" FM3                  |       |        |                     |       |       |        |
|-------------------------|-------|--------|---------------------|-------|-------|--------|
| Min Flow = 1/4 GPM      |       |        | Max Flow = 25 GPM   |       |       |        |
| <i>At Min Flow:</i>     |       |        | <i>At Max Flow:</i> |       |       |        |
| Terminal                |       |        | Terminal            |       |       |        |
|                         | A     | B      | C                   | A     | B     | C      |
| Pulses per minute       | 6.9   | 0.9    | 0.1                 | 2170  | 271.3 | 33.9   |
| Gallons per pulse       | 0.576 | 4.608  | 36.866              | 0.576 | 4.608 | 36.866 |
| Pulse Length in seconds | 4.32  | 34.562 | 276.5               | 0.014 | 0.111 | 0.885  |

| 6" FM3                  |       |        |                     |       |        |        |
|-------------------------|-------|--------|---------------------|-------|--------|--------|
| Min Flow = 1/2 GPM      |       |        | Max Flow = 35 GPM   |       |        |        |
| <i>At Min Flow:</i>     |       |        | <i>At Max Flow:</i> |       |        |        |
| Terminal                |       |        | Terminal            |       |        |        |
|                         | A     | B      | C                   | A     | B      | C      |
| Pulses per minute       | 3.1   | 0.4    | 0                   | 906.9 | 113.4  | 14.2   |
| Gallons per pulse       | 2.867 | 22.936 | 183.49              | 2.867 | 22.936 | 183.49 |
| Pulse Length in seconds | 9.557 | 76.453 | 611.62              | 0.033 | 0.265  | 2.117  |

| 8" FM3                  |       |        |                     |       |        |        |
|-------------------------|-------|--------|---------------------|-------|--------|--------|
| Min Flow = 1/2 GPM      |       |        | Max Flow = 35 GPM   |       |        |        |
| <i>At Min Flow:</i>     |       |        | <i>At Max Flow:</i> |       |        |        |
| Terminal                |       |        | Terminal            |       |        |        |
|                         | A     | B      | C                   | A     | B      | C      |
| Pulses per minute       | 3.7   | 0.5    | 0.1                 | 902.4 | 112.8  | 0.1    |
| Gallons per pulse       | 4.876 | 39.009 | 312.07              | 4.876 | 39.009 | 312.07 |
| Pulse Length in seconds | 8.127 | 65.015 | 520.12              | 0.033 | 0.266  | 2.128  |

| 10" FM3                 |       |        |                     |       |        |        |
|-------------------------|-------|--------|---------------------|-------|--------|--------|
| Min Flow = 3/4 GPM      |       |        | Max Flow = 50 GPM   |       |        |        |
| <i>At Min Flow:</i>     |       |        | <i>At Max Flow:</i> |       |        |        |
| Terminal                |       |        | Terminal            |       |        |        |
|                         | A     | B      | C                   | A     | B      | C      |
| Pulses per minute       | 3.5   | 0.4    | 0.1                 | 823.2 | 102.9  | 12.9   |
| Gallons per pulse       | 8.503 | 68.027 | 544.22              | 8.503 | 68.027 | 544.22 |
| Pulse Length in seconds | 8.503 | 68.027 | 544.22              | 0.036 | 0.292  | 2.332  |