

### FLOW RATES

### PRESSURE & HEAD

### LENGTH

| Multiply        | By     | To Obtain                  |
|-----------------|--------|----------------------------|
| gallons US/min  | 3.785  | liters/min                 |
| gallons US/min  | 0.133  | ft <sup>3</sup> /min       |
| gallons US/min  | 8.021  | ft <sup>3</sup> /hr        |
| gallons US/min  | 0.227  | m <sup>3</sup> /hr         |
| gallons US/min  | 34.29  | barrels/day<br>(42 US gal) |
| cubic feet/min  | 7.481  | gpm                        |
| cubic feet/min  | 28.32  | liters/min                 |
| cubic feet/min  | 60.0   | ft <sup>3</sup> /hour      |
| cubic feet/min  | 1.699  | m <sup>3</sup> /hour       |
| cubic feet/min  | 256.5  | barrels/day                |
| cubic feet/hr   | 0.1247 | gpm                        |
| cubic feet/hr   | 0.472  | liters/hr                  |
| cubic feet/hr   | 0.0167 | ft <sup>3</sup> /min       |
| cubic feet/hr   | 0.0283 | m <sup>3</sup> /hr         |
| cubic meters/hr | 4.403  | gpm                        |
| cubic meters/hr | 16.67  | liters/min                 |
| cubic meters/hr | 0.5886 | ft <sup>3</sup> /min       |
| cubic meters/hr | 35.31  | ft <sup>3</sup> /hr        |
| cubic meters/hr | 150.9  | barrels/day                |

| Multiply                 | By      | To Obtain          |
|--------------------------|---------|--------------------|
| pounds/inch <sup>2</sup> | 0.06895 | bar                |
| pounds/inch <sup>2</sup> | 0.06804 | atmosphere         |
| pounds/inch <sup>2</sup> | 0.0703  | kg/cm <sup>2</sup> |
| pounds/inch <sup>2</sup> | 6.895   | kPa                |
| pounds/inch <sup>2</sup> | 2.036   | in of Hg<br>(0° C) |
| atmosphere               | 14.69   | psi                |
| atmosphere               | 1.013   | bar                |
| atmosphere               | 1.033   | kg/cm <sup>2</sup> |
| atmosphere               | 101.3   | kPa                |
| atmosphere               | 29.92   | in of Hg           |
| bar                      | 14.50   | psi                |
| bar                      | 0.9869  | atmosphere         |
| bar                      | 1.020   | kg/cm <sup>2</sup> |
| bar                      | 100.0   | kPa                |
| bar                      | 33.45   | ft of w.c.         |
| kilogram/cm <sup>2</sup> | 14.22   | psi                |
| kilogram/cm <sup>2</sup> | 0.9807  | bar                |
| kilogram/cm <sup>2</sup> | 0.9678  | atmosphere         |
| kilogram/cm <sup>2</sup> | 98.07   | kPa                |
| kilogram/cm <sup>2</sup> | 28.96   | in of w.c.         |
| kiloPascal               | 0.145   | psi                |
| kiloPascal               | 0.01    | bar                |
| kiloPascal               | 0.00986 | atmosphere         |
| kiloPascal               | 0.0102  | kg/cm <sup>2</sup> |
| millibar                 | 0.001   | bar                |

| Multiply    | By      | To Obtain   |
|-------------|---------|-------------|
| millimeters | 0.10    | centimeters |
| millimeters | 0.001   | meters      |
| millimeters | 0.039   | inches      |
| millimeters | 0.00328 | feet        |
| centimeters | 10.0    | millimeters |
| centimeters | 0.010   | meters      |
| centimeters | 0.394   | inches      |
| centimeters | 0.0328  | feet        |
| inches      | 25.4    | millimeters |
| inches      | 2.54    | centimeters |
| inches      | 0.0254  | meters      |
| inches      | 0.0833  | feet        |
| feet        | 304.8   | millimeters |
| feet        | 30.48   | centimeters |
| feet        | 0.304   | meters      |
| feet        | 12.0    | inches      |