

Measuring principle

Measuring ranges (liquids)

| Nominal diameter <br> DN $\quad$ (inch) |  | Measuring range <br> (input pressure $\geq 0.5$ bar / 7.25 psi ) |  |  |  |  |  | Pressure consumption |  | Diameter ratioB | Weight |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $\mathrm{m}^{3} / \mathrm{h}$ |  |  |  | $\Delta \mathrm{p}$ mbar | (psi) |  | kg | (lb) |
| 40 | ( $11_{1 / 2}$ ) | $\begin{array}{r} 1.2 \\ 2 \\ 3.2 \end{array}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{array}{r} 6 \\ 10 \\ 16 \end{array}$ | $\begin{array}{r} (5.28 \\ (8.8 \\ (14.1 \end{array}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{array}{r} 26.4) \\ 44) \\ 70) \\ \hline \end{array}$ | $\begin{aligned} & 335 \\ & 275 \\ & 200 \end{aligned}$ | $\begin{aligned} & (4.86) \\ & (3.99) \\ & (2.90) \end{aligned}$ | $\begin{aligned} & 0.48 \\ & 0.60 \\ & 0.73 \end{aligned}$ | 1.5 | (3.31) |
| 50 | (2) | $\begin{aligned} & 2 \\ & 3 \\ & 5 \end{aligned}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{aligned} & 10 \\ & 15 \\ & 25 \end{aligned}$ | $\begin{array}{r} \hline(8.8 \\ (13.2 \\ (22 \end{array}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $44)$ $66)$ $110)$ | $\begin{aligned} & 330 \\ & 280 \\ & 200 \end{aligned}$ | $\begin{aligned} & \hline(4.79) \\ & (4.06) \\ & (2.90) \end{aligned}$ | $\begin{aligned} & 0.49 \\ & 0.59 \\ & 0.73 \end{aligned}$ | 1.6 | (3.53) |
| 65 | ( $2^{1 ⁄ 2}$ ) | $\begin{array}{r} 3.2 \\ 6 \\ 8 \end{array}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{aligned} & 16 \\ & 30 \\ & 40 \end{aligned}$ | $\begin{array}{r} 14.1 \\ (26.4 \\ (35 \end{array}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{array}{r} 70) \\ 132) \\ 176) \end{array}$ | $\begin{aligned} & 330 \\ & 250 \\ & 210 \end{aligned}$ | $\begin{aligned} & (4.79) \\ & (3.63) \\ & (3.05) \end{aligned}$ | $\begin{aligned} & 0.48 \\ & 0.64 \\ & 0.72 \end{aligned}$ | 1.8 | (3.97) |
| 80 | (3) | $\begin{array}{r} 5 \\ 10 \\ 13 \end{array}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{aligned} & 25 \\ & 50 \\ & 65 \end{aligned}$ | $\begin{aligned} & \hline(22 \\ & (44 \\ & (57 \end{aligned}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{aligned} & 110) \\ & 220) \\ & 286) \end{aligned}$ | $\begin{aligned} & 330 \\ & 240 \\ & 200 \end{aligned}$ | $\begin{aligned} & (4.79) \\ & (3.48) \\ & (2.90) \end{aligned}$ | $\begin{aligned} & 0.49 \\ & 0.66 \\ & 0.74 \end{aligned}$ | 1.9 | (4.19) |
| 100 | (4) | $\begin{aligned} & 10 \\ & 16 \\ & 20 \end{aligned}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{array}{r} 50 \\ 80 \\ 100 \end{array}$ | $\begin{aligned} & \hline(44 \\ & 70 \\ & \text { (88 } \end{aligned}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{aligned} & \hline 220) \\ & 352) \\ & 440) \end{aligned}$ | $\begin{aligned} & 300 \\ & 235 \\ & 200 \end{aligned}$ | $\begin{aligned} & (4.35) \\ & (3.41) \\ & (2.90) \end{aligned}$ | $\begin{aligned} & 0.55 \\ & 0.67 \\ & 0.73 \end{aligned}$ | 2.0 | (4.41) |
| 125 | (5) | $\begin{aligned} & 13 \\ & 24 \\ & 32 \end{aligned}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{array}{r} 65 \\ 120 \\ 160 \end{array}$ | $\begin{array}{r} (57 \\ (106 \\ (141 \end{array}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{aligned} & \text { 286) } \\ & 528) \\ & 704) \end{aligned}$ | $\begin{aligned} & 325 \\ & 245 \\ & 200 \end{aligned}$ | $\begin{aligned} & \hline(4.71) \\ & (3.55) \\ & (2.90) \end{aligned}$ | $\begin{aligned} & 0.50 \\ & 0.66 \\ & 0.74 \end{aligned}$ | 2.3 | (5.07) |
| 150 | (6) | $\begin{aligned} & 20 \\ & 32 \\ & 50 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{aligned} & 100 \\ & 160 \\ & 250 \\ & \hline \end{aligned}$ | $\begin{array}{r} (88 \\ (141 \\ (220 \\ \hline \end{array}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{array}{r} 440) \\ 704) \\ 1100) \end{array}$ | $\begin{aligned} & 315 \\ & 245 \\ & 180 \end{aligned}$ | $\begin{aligned} & (4.57) \\ & (3.55) \\ & (2.61) \\ & \hline \end{aligned}$ | $\begin{aligned} & 0.52 \\ & 0.64 \\ & 0.76 \\ & \hline \end{aligned}$ | 2.5 | (5.51) |
| 200 | (8) | $\begin{aligned} & 34 \\ & 60 \\ & 80 \end{aligned}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{aligned} & 170 \\ & 300 \\ & 400 \end{aligned}$ | $\begin{aligned} & 150 \\ & (264 \\ & (352 \end{aligned}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{array}{r} \hline 749) \\ 1321) \\ 1761) \end{array}$ | $\begin{aligned} & 320 \\ & 250 \\ & 200 \end{aligned}$ | $\begin{aligned} & \hline(4.64) \\ & (3.63) \\ & (2.90) \end{aligned}$ | $\begin{aligned} & 0.51 \\ & 0.65 \\ & 0.73 \end{aligned}$ | 3.1 | (6.83) |
| 250 | (10) | $\begin{array}{r} 50 \\ 80 \\ 130 \end{array}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{aligned} & 250 \\ & 400 \\ & 650 \end{aligned}$ | $\begin{aligned} & (220 \\ & 1352 \\ & (572 \end{aligned}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{aligned} & \text { 1100) } \\ & \text { 1761) } \\ & 2862) \end{aligned}$ | $\begin{aligned} & 250 \\ & 270 \\ & 195 \end{aligned}$ | $\begin{aligned} & (3.63) \\ & (3.92) \\ & (2.83) \end{aligned}$ | $\begin{aligned} & 0.50 \\ & 0.61 \\ & 0.74 \end{aligned}$ | 3.5 | (7.72) |
| 300 | (12) | $\begin{array}{r} 80 \\ 120 \\ 200 \end{array}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{array}{r} 400 \\ 600 \\ 1000 \end{array}$ | $\begin{aligned} & (352 \\ & (528 \\ & (881 \end{aligned}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{aligned} & \hline \text { 1761) } \\ & 2642) \\ & 4403) \end{aligned}$ | $\begin{aligned} & 315 \\ & 265 \\ & 180 \end{aligned}$ | $\begin{aligned} & \hline(4.57) \\ & (3.84) \\ & (2.61) \end{aligned}$ | $\begin{aligned} & 0.52 \\ & 0.62 \\ & 0.76 \end{aligned}$ | 4.1 | (9.04) |
| 350 | (14) | $\begin{aligned} & 100 \\ & 200 \\ & 270 \end{aligned}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{array}{r} 500 \\ 1000 \\ 1300 \end{array}$ | $\begin{array}{r} (440 \\ (881 \\ (1189 \end{array}$ | to | $\begin{aligned} & \hline 2202) \\ & 4403) \\ & 5724) \end{aligned}$ | $\begin{aligned} & 325 \\ & 235 \\ & 190 \end{aligned}$ | $\begin{aligned} & \hline(4.71) \\ & (3.41) \\ & (2.76) \end{aligned}$ | $\begin{aligned} & 0.50 \\ & 0.67 \\ & 0.75 \end{aligned}$ | 5.1 | (11.24) |
| 400 | (16) | $\begin{aligned} & 140 \\ & 240 \\ & 320 \end{aligned}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{array}{r} 700 \\ 1200 \\ 1600 \end{array}$ | $\begin{array}{r} \hline(616 \\ (1057 \\ (1409 \end{array}$ | $\begin{aligned} & \text { to } \\ & \text { to } \\ & \text { to } \end{aligned}$ | $\begin{aligned} & 3082) \\ & 5284) \\ & 7045) \end{aligned}$ | $\begin{aligned} & 320 \\ & 250 \\ & 200 \end{aligned}$ | $\begin{aligned} & \hline(4.64) \\ & (3.63) \\ & (2.90) \end{aligned}$ | $\begin{aligned} & 0.51 \\ & 0.65 \\ & 0.73 \end{aligned}$ | 5.8 | (12.79) |

Standard measuring ranges for liquid ( $\rho=1 \mathrm{~kg} / \mathrm{l}(62.43 \mathrm{lb} / \mathrm{cu} . \mathrm{ft})$, viscosity $1 \mathrm{mPa} \cdot \mathrm{s}(1 \mathrm{cp})$ )

