

KDS002 Nozzle Flow Rates for Water at 20°C

| Pressure | | Nozzle Diameter mm (inches) | | | | | | | | |
|----------|-----|-----------------------------|--------------|-------------|--------------|----------------|----------------|--------------|----------------|------------|
| kPa | psi | 2 (5/64") | 4 (5/32") | 6 (1/4") | 8 (5/16") | 10 (25/64") | 12 (15/32") | 16 (5/8") | 20 (25/32") | 25 (1") |
| 200 | 29 | 0.06 | 0.25 | 0.56 | 1.01 | 1.57 | 2.26 | 4.02 | 6.29 | 9.82 |
| 300 | 43 | 0.08 | 0.31 | 0.69 | 1.23 | 1.93 | 2.77 | 4.93 | 7.70 | 12.03 |
| 400 | 58 | 0.09 | 0.36 | 0.80 | 1.42 | 2.22 | 3.20 | 5.69 | 8.89 | 13.89 |
| 500 | 73 | 0.10 | 0.40 | 0.89 | 1.59 | 2.48 | 3.58 | 6.36 | 9.94 | 15.53 |
| 600 | 87 | 0.11 | 0.43 | 0.98 | 1.74 | 2.72 | 3.92 | 6.97 | 10.89 | 17.02 |
| 700 | 102 | 0.12 | 0.47 | 1.06 | 1.88 | 2.94 | 4.23 | 7.53 | 11.76 | 18.38 |
| 800 | 116 | 0.12 | 0.50 | 1.13 | 2.01 | 3.14 | 4.53 | 8.05 | 12.58 | 19.65 |
| 900 | 131 | 0.13 | 0.53 | 1.20 | 2.13 | 3.33 | 4.80 | 8.54 | 13.34 | 20.84 |
| 1000 | 145 | 0.14 | 0.56 | 1.26 | 2.25 | 3.52 | 5.06 | 9.00 | 14.06 | 21.97 |

Notes:

- Flow rates are given in litres per second.
- Density of Water taken as 998 kg/m³