

Tabulky k článku [38. Vznik tlakové ztráty při proudění tekutiny](http://www.transformacni-technologie.cz/38.html),
<http://www.transformacni-technologie.cz/38.html>.

698 Viskozita vody při tlaku 101 325 Pa

| t °C | η $\mu\text{Pa}\cdot\text{s}$ | ν $\text{nm}^2\cdot\text{s}^{-1}$ |
|---------|---------------------------------------|--|
| 0 | 1770,20 | 1769,65 |
| 10 | 1303,90 | 1303,71 |
| 20 | 1001,90 | 1003,28 |
| 30 | 797,300 | 800,457 |
| 40 | 652,600 | 657,455 |
| 50 | 546,800 | 553,199 |
| 60 | 466,500 | 474,281 |

698 Viscosity of Water at 101 325 Pa

| t °C | η $\mu\text{Pa}\cdot\text{s}$ | ν $\text{nm}^2\cdot\text{s}^{-1}$ | t °C | η $\mu\text{Pa}\cdot\text{s}$ | ν $\text{nm}^2\cdot\text{s}^{-1}$ |
|---------|---------------------------------------|--|---------|---------------------------------------|--|
| 70 | 404,200 | 413,222 | 140 | 196,542 | 212,218 |
| 80 | 354,700 | 364,843 | 150 | 182,461 | 198,974 |
| 90 | 314,700 | 325,868 | 160 | 170,239 | 187,602 |
| 100 | 281,800 | 293,916 | 170 | 159,551 | 177,782 |
| 110 | 254,699 | 267,837 | 180 | 150,360 | 169,517 |
| 120 | 232,052 | 246,051 | 190 | 141,782 | 161,838 |
| 130 | 212,895 | 227,736 | 200 | 134,318 | 155,342 |

Hodnoty od teploty 100 °C a výše jsou pro sytou vodu [1], [2].

For temperature 100°C and higher for saturated Water.

791 Viskozita syté páry H₂O

| °C | $\mu\text{Pa}\cdot\text{s}$ | $\text{nm}^2\cdot\text{s}^{-1}$ |
|----|-----------------------------|---------------------------------|
| 1 | 9,2395 | 1778,02 |
| 10 | 9,4612 | 1005,75 |
| 20 | 9,7272 | 561,812 |
| 30 | 10,0104 | 329,124 |
| 40 | 10,3076 | 201,153 |
| 50 | 10,6163 | 127,681 |
| 60 | 10,9345 | 83,8373 |

791 Viscosity of saturated steam H₂O

| °C | $\mu\text{Pa}\cdot\text{s}$ | $\text{nm}^2\cdot\text{s}^{-1}$ | °C | $\mu\text{Pa}\cdot\text{s}$ | $\text{nm}^2\cdot\text{s}^{-1}$ |
|-----|-----------------------------|---------------------------------|-----|-----------------------------|---------------------------------|
| 70 | 11,2604 | 56,7472 | 140 | 13,6466 | 7,9770 |
| 80 | 11,5924 | 39,4743 | 150 | 13,9919 | 5,4912 |
| 90 | 11,9290 | 28,1412 | 160 | 14,3368 | 4,3983 |
| 100 | 12,2692 | 20,5113 | 170 | 14,6813 | 3,5615 |
| 110 | 12,6119 | 15,2514 | 180 | 15,0255 | 2,9126 |
| 120 | 12,9561 | 11,5466 | 190 | 15,3698 | 2,4033 |
| 130 | 13,3012 | 8,8853 | 200 | 15,7148 | 1,9991 |

[2], [3]

Odkazy

References

1. VOHLÍDAL, Jiří. JULÁK, Alois. ŠTULÍK, Karel. *Chemické analytické tabulky*, 1999. První vydání, dotisk 2010. Praha: Grada, ISBN 978-80-7169-855-5.
2. Software: *ChemicalLogic SteamTab Companion*, 2003. Version 2.0 Based on the IAPWS-95 Formulation. ChemicalLogic Corporation, 99 South Bedford Steet, Suit 207, Burlington, MA 01803, USA.
3. MAREŠ, Radim, ŠIFNER, Oldřich, KADRNOŽKA, Jaroslav. *Tabulky vlastností vody a páry, podle průmyslové formulace IAPWS-IF97*, 1999. Vydání první. Brno: VUTIUM. ISBN 80-2141316-6.