

| | |
|------|---|
| D | Diameter [m] |
| L, l | length [m] |
| T | temperature [K] |
| H | convection coefficient [W/ (m ² K)] |
| K | thermal conductivity [W/ (mK)] |
| Q | thermal flux for unity of surface [J/m ²] |
| t | time [min] |
| U | velocity [m/s]; [m/min] |
| W | Work [J] |

Greek symbols

| | |
|--------|---|
| μ | Dynamic viscosity [Ns/m ²] |
| ν | kinematic viscosity [m ² /s] |
| ρ | density [kg/m ³] |

Dimensionless numbers

| | |
|--------|-----------------------------|
| Fa | arrangement factor [-] |
| ψ | Void ratio [-] |
| Re | Reynolds Number |
| Pr | Prandtl Number [-] |
| St | Stanton Number [-] |
| a | Transversal pitch ratio [-] |