

Inlet pressure	P _{in}	200 kPa
Pressure at nozzle inside wall & ambient	\mathbf{P}_{∞}	101 kPa
Specific permeability	K _p	$10.1 \text{ nPm} = 10.1 \text{ x} 10^{-7} \text{ mm}^2$
Dynamic Viscosity	μ	$7.42 \text{ x}10^{-5} \text{ MPa.s} = \text{kg/(m-s)}$
Permeability (K _p / μ)	K _D	1.3612 x10 ⁻⁸ m ² /(Pa.s)
Thermal conductivity	k	2.6 or 18 W/mK
Heat transfer coefficient (nozzle exterior)	h	40 W/m ² K
Note: keeping inlet pressure constant	t result	s in variable gas flow rate

