*Example:*

$$K_v = 0.074954\ \mathrm{m^3 \cdot K^{0.5}/(kPa \cdot s)}$$

$$p_{in} = 99.654\ \mathrm{kPa}$$

$$T_{in} = 353.15\ \mathrm{K}$$

$$\dot{Q} = \frac{0.074954 \cdot 99.654}{\sqrt{353.15}}$$

$$\dot{Q} = 0.39748\ \mathrm{m^3/s}$$