

G2.5.  
**Vaillant turboTEC plus VUW INT 202-5 H (2,40 m³/h).**  
**-4 (1,2 m³/h).**

$$\begin{aligned} V_{\max} &= 3,6 \text{ m}^3/\text{h} \\ V_{\min} &= 0,25 \text{ m}^3/\text{h} \\ \eta_{\max} &= 0,003 \\ \eta_{\min} &= 0,001 \\ \dots &= 0,73 \text{ m}^3/\text{h} \end{aligned}$$

$$V_p = \frac{V_H \times T \times Z \times P_H}{P \times T_H}$$

$$\begin{aligned} V_P &= \dots; \\ V_H &= \dots; \\ &= 0,101325 \dots; \\ &= 20 + 273,15 = 293,15 \text{ K} \dots; \\ &= 273,15 + t \dots; \\ t_{\min} &= 273,15 + (-22) = 251,15; \\ t_{\max} &= 273,15 + 40 = 313,15 \text{ K}; \\ Z &= \dots; \\ \eta_{\max} &= 0,104 \dots; \\ \eta_{\min} &= 0,102 \dots \end{aligned}$$

$$V_{\max} = \frac{\text{витрата га} = 102 \text{ m}^3/\text{h} \times 313,15 \text{ K} \times 0,9984}{0,102 \times 293,15 \text{ K}} = 3,81 \text{ m}^3/\text{h}$$

$$\begin{aligned} &= 0,104 \dots = 251,15 \text{ K} \\ V_{\min} &= \frac{0,25 \times 0,101325 \times 251,15 \times 0,9907}{0,104 \times 293,15} = 0,21 \text{ m}^3/\text{h} \end{aligned}$$

$$G_{2,5} \dots : 0,025 \div 4,0 \text{ m}^3/\text{h} \dots,$$