

Str. 130 / úloha 676

$$p = 500 \text{ kPa} = 500\,000 \text{ Pa}$$

$$\Delta = 0,5 \text{ m}$$

$$W = ? \text{ [J]}$$

$$S = 300 \text{ cm}^2 = 0,03 \text{ m}^2$$

$$W = F \cdot \Delta$$

$$W = 15\,000 \cdot 0,5$$

$$W = 7\,500 \text{ J}$$

$$p = \frac{F}{S}$$

$$F = p \cdot S$$

$$F = 500\,000 \cdot 0,03$$

$$F = 15\,000 \text{ N}$$

Práce páry je 7500 J.