

Water tank volume from density × area × duration

EN 12845 / NFPA 13

$V = \text{density} \times \text{assumed area of operation} \times \text{duration}$. Add hose stream allowance separately for NFPA designs.

Formula

$$V = q \times A \times t$$

Inputs

- Design density (mm/min) — default 7.5
- Area of operation (m²) — default 260
- Duration (min) — default 90
- Hose allowance (optional) (L/min) — default 0