

Some Rule of Thumbs on Fixed Roof Atmospheric Tanks

Popular Standards

API 650, API 620, API12 series, AWWA D100

Tank Sizes

volume	Description	Rough Diameter (when $H/D \approx 1$)
$< 100 \text{ m}^3$	Small	$< 5 \text{ m}$
$100\text{-}1,000 \text{ m}^3$	Medium	$5\text{ - }10 \text{ m}$
$1,000\text{-}10,000 \text{ m}^3$	Large	$10\text{ - }20 \text{ m}$
$>10,000 \text{ m}^3$	Very large	$>20 \text{ m}$
Larger than $200,000 \text{ m}^3$	"is that economical?"	$>60 \text{ m}$

Height and diameter Limitations:

Height: H max. 15 m max. max. : 20 m

Diameter: D max. 50 m

Height-over-diameter Ratio (H/D) Rule of thumbs:



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