# 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≈1) |
|---|---|---|
| < 100 $m^3$ | Small | < 5 m |
| 100- 1,000 $m^3$ | Medium | 5 - 10 m |
| 1,000-10,000 $m^3$ | Large | 10 - 20 m |
| >10,000 $m^3$ | Very large | >20 m |
| Larger than 200,000 $m^3$ | "is that economical?" | >60 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: