

Water Supply Engineering

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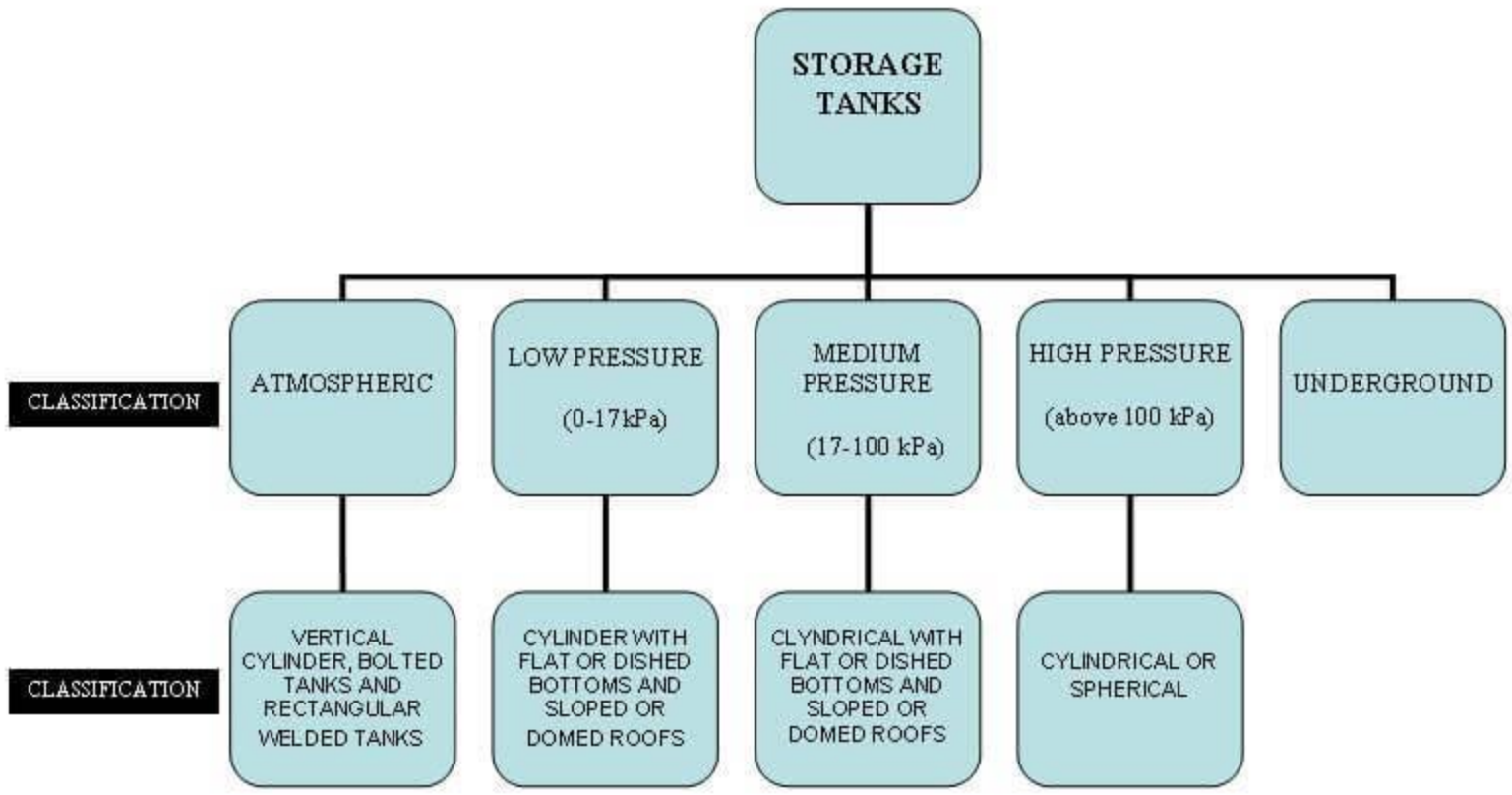
Understand the concept of storage reservoirs

- ▶ **Storage reservoirs**
- ▶ **Necessity of storage reservoirs**
- ▶ **Ideal Reservoirs**
- ▶ **Commendable area and irrigable area**
- ▶ **Capacity of storage reservoir**

Understand the concept of storage reservoirs

- ▶ Determine the height of the dam of a reservoir

- ▶ The section of a dam of reservoir with different component



STORAGE TANKS

ATMOSPHERIC

LOW PRESSURE
(0-17kPa)

MEDIUM PRESSURE
(17-100 kPa)

HIGH PRESSURE
(above 100 kPa)

UNDERGROUND

VERTICAL CYLINDER, BOLTED TANKS AND RECTANGULAR WELDED TANKS

CYLINDER WITH FLAT OR DISHED BOTTOMS AND SLOPED OR DOMED ROOFS

CLYNDRICAL WITH FLAT OR DISHED BOTTOMS AND SLOPED OR DOMED ROOFS

CYLINDRICAL OR SPHERICAL