

### 3. Reserve Tank (for Positive Water Line)

A single reserve tank is needed for each main pump. (For negative suction pumps only) This is not applicable for a pilot pump.

This reserve tank to be used for pumps to suck water from the negative suction will prevent any possible water losses in the suction pipe, and the pump will be prevented to operate dry.

Reserve tank capacities as per the risk classes are indicated below;

Danger class	Minimum tank capacities in liter	Distance between tank and pump pipe diameters
DT	100	25
ST, YTI, YTD	500	50

#### Schedule 5

#### Comments

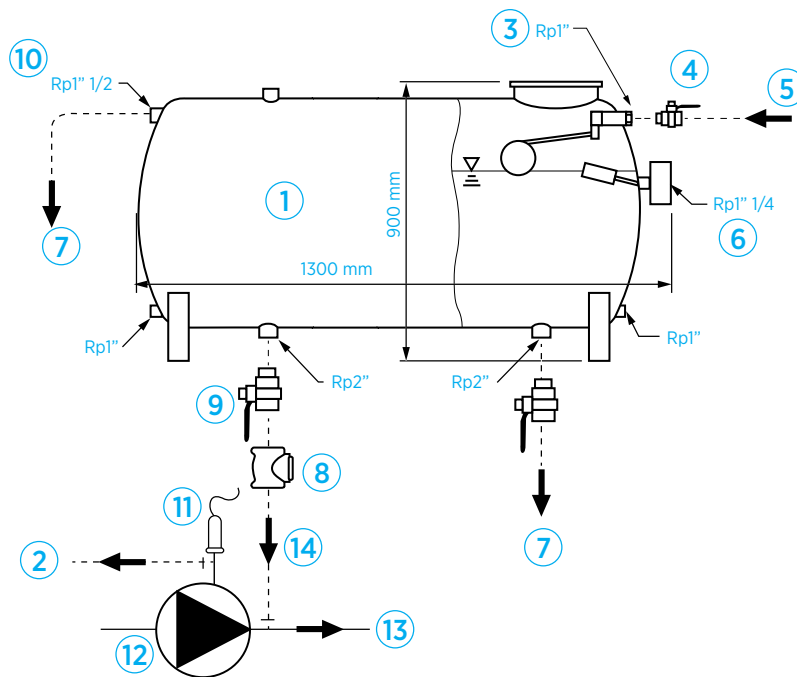
**DT Low danger class**  
(low fire load)

**ST Standard danger class**  
(average fire load and average flammability)

**YTI High danger class**

**YTD High danger class**  
(storage)

#### Tank joint and accessories diagram;



#### Comments

1. Reserve tank
2. Water recirculation pipe
3. Float valve
4. Filling valve
5. Main water supply network
6. Level indicator
7. Drainage outlet
8. Non return valve
9. Reserve tank valve
10. Overflow pipe
11. Pressure switch
12. Main pump
13. Sprinkler installation flow
14. Main pump intake port

Figure 7