

A stylized blue laptop graphic with a screen displaying the text 'HEARTY WELCOME'. The laptop is centered on a dark blue background with a fine, repeating pattern of small circles.

HEARTY WELCOME

Centrifugal Pumps

**Parallel Pumps Operation
Do it Right. Or Else?**



Course Menu

Where do you need parallel pump operation?

Analysis of parallel pump operation

How to select the right pump for parallel running?

The consequences of wrong choice






Introduction

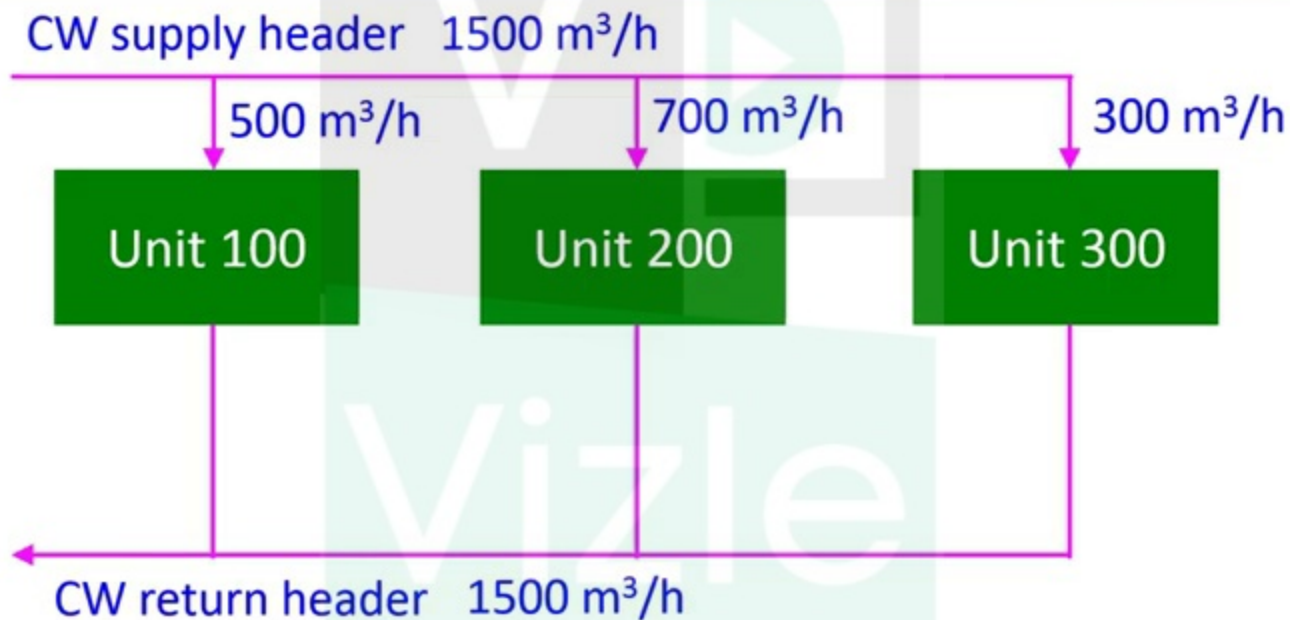


When a single pump for full capacity is selected and installed, there is likelihood of the plant operation to come to halt when the pump fails.

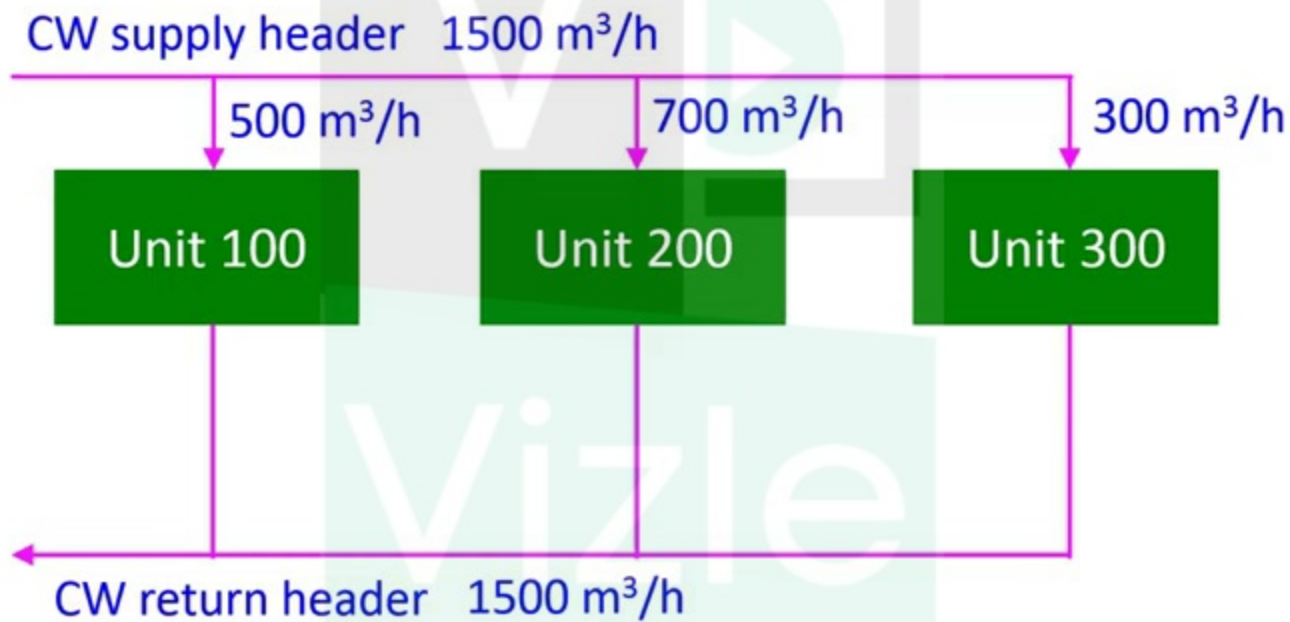
Parallel Pumps

Typically parallel pumps are used in utilities services where the volume flow rate of utilities such as cooling water is very high

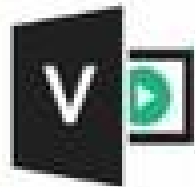
 For example let us consider a process plant which has three production units, the three units have several coolers and condensers which need cooling water.



The total cooling water requirement for the three units is 1500 m³/h. For this plant what is the best pump scheme you can consider? And on what ground?



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