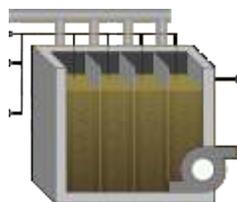
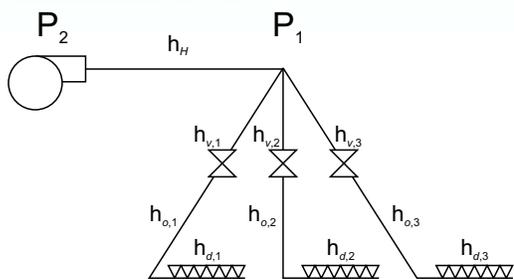
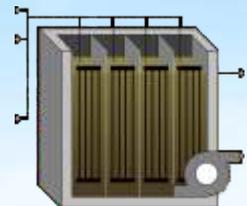


What's NEW in GPS-X™ 6.5

Membrane-Aerated Bioreactor

The new membrane-aerated bioreactor (MABR) model predicts the performance of activated sludge systems using biofilm populations growing on membrane-aerated media. The Hydromantis biofilm model has been modified and updated to simulate biofilm growth on membranes that provide aeration through the media surface. The model has been successfully calibrated to G.E.'s Zeelung MABR system.



- h_d : Diffuser Pressure Loss, kPa
- h_o : Distribution Pipe Pressure Loss, kPa
- h_v : Valve Pressure Loss, kPa
- h_H : Main Header Pressure Loss, kPa
- P_1 : Main Header Outlet Pressure, kPa
- P_2 : Blower Pressure, kPa

Air Delivery Headloss Model

The powerful new air delivery headloss model allows users to model the pressure losses in the air delivery system. The model predicts the airflows, blower pressures and valve positions in a typical activated sludge aeration system. There are two different valve control systems (Most Open Valve and Pressure Set point) as well as several different valve models available.

New Energy Usage and Operating Cost Diagrams

With one click of a button, you can visualize the energy usage or operating cost that is associated with each unit process or view a summary of the entire plant.

Click on any unit process to get a detailed breakdown and a corresponding pie-chart.

