

# PEL PhysPack



ABB BatchMaster enables you to specify a process schedule and evaluate its production rate.

Calculations are an essential part of a process engineer's job. Undetected errors in calculations can result in poor design. Errors picked up late in design result in delays or costly modifications if equipment is installed.

Knowing the physical properties of the fluids in a process is essential for any process or design analysis.

Some physical properties for single component streams are available from open sources such as the internet, but these are normally for very specific temperatures and pressures and are not always reliably referenced. These sources do not provide information for other process conditions or multicomponent mixtures. Engineers using these sources have to rely on correlations and approximations to determine the physical properties they require.

Having easy and reliable access to physical properties of mixtures at realistic design conditions leads to more accurate process calculations and saves calculations and frees up engineers' valuable time. PhysPack is part of ABB's PEL software.

PEL is a collection of software tools that enables engineers to carry out their day-to-day tasks more efficiently and reliably. The software has been developed by experienced process engineers for over thirty years and is constantly being developed and improved.

### What we offer

PhysPack is an easy-to-use database of physical properties, combined with a powerful calculation engine. You can quickly obtain a diverse range of information both numerically and graphically, for either single phase or multiphase equilibrium and across a wide range of temperatures and pressures. PhysPack calculates and analyses the physical properties of mixtures, pure components and aqueous solutions.

Choose from over 1,500 components and instantly view its constant properties, together with the liquid, vapour, and solid properties over a range of temperatures and pressures.

