

The Hydroheater® provides you with the following significant benefits:

- Reduces energy/steam consumption
- 100% Thermal Efficiency; uses both latent and sensible heat of the steam
- Eliminates energy losses through condensate return
- Eliminates the heat transfer barrier of heat exchangers for improved efficiency
- Reduces process heating time
- Quicker startups (tankless water system)
- Single pass in-line process heating
- Faster tank heating (self-pumping recirculation loop)
- Sonic velocity steam injection allows for instantaneous heating
- No need to use an external steam valve-the hydroheater uses internal modulation
- Precise temperature control to +/- 0.5 degree over large liquid turndown ratio
- Fast response to changes in temperature set point

Maintenance benefits

- Prevents scaling through sonic velocity and turbulent mixing action
- No worry of plates and tubes ever fouling
- Continuously cleaned by its own turbulent mixing action
- Eliminates need for condensate system (smaller footprint)
- Generally recommended annual maintenance
- Wide range of Applications
- Capable of heating process fluids up to 75% solids
- Effective at heating high viscosity process fluids
- Provides high shear at point of steam injection for uniform heating and cooking of starch, ethanol and various other applications