



Energy optimization

Solution 4

Optimize steam control for pre-heating - and save fuel

**Avoid excessive steam consumption from your
ME Pre-heater system with automatic regulating steam valve.**

Replacing manual steam valves with electric-controlled valves can reduce fuel consumption for steam generation, mostly produced on Aux-boilers when the ship is at port.

Clorius offers a complete valve & controller set allowing easy replacement of manually controlled steam valve with automatic controlled steam valves.



Clorius offers

- Complete valve & controller set, easy to install
- Automatic regulated steam valves ranging from DN15 up to DN80
- Can be delivered with actuators for electrical or pneumatic controls
- Sized based on actual system pressure & flow data
- Low investment cost with good savings to be achieved.

Benefits using our valves

- Energy optimization on steam and boiler systems
- Reduces fuel / oil consumption for steam generation
- Accurate temperature control of engine pre-heating
- Easy access to support and spare parts
- Avoid energy losses on your HT cooling system.

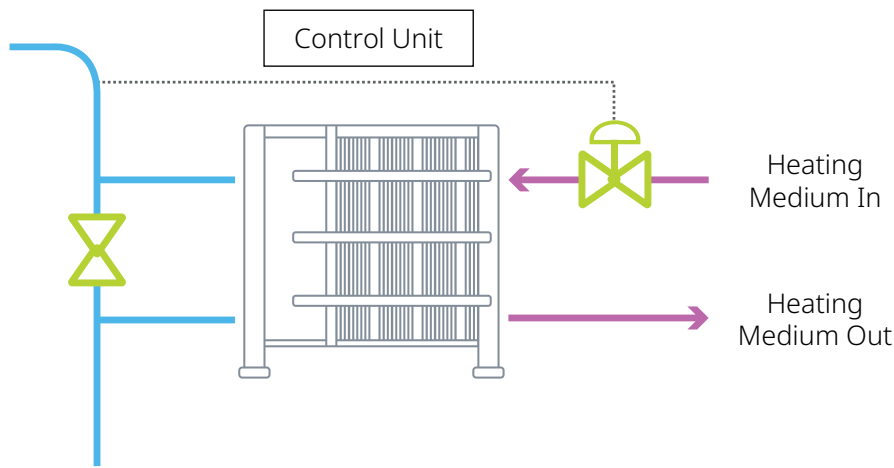
Up to 40% savings measured by shipowner

From manually to automatic controlled steam valves

Test result on a test vessel showed a fuel consumption of 100 kg/h with a manually controlled valve. After installing an electrically controlled valve, the fuel consumption was reduced to approximately 60 kg/h.

Test result

Significant reduction of fuel consumption with an electrically controlled valve



With a complete valve & controller set, you can replace manually controlled globe valves with automatic controlled steam valves. Installation of the new steam valves can be carried out by the crew and/or during dry dock.

Jacket Water Heater with steam heating medium



Install automatic regulated steam valve to reduce the steam consumption from your pre-heater



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