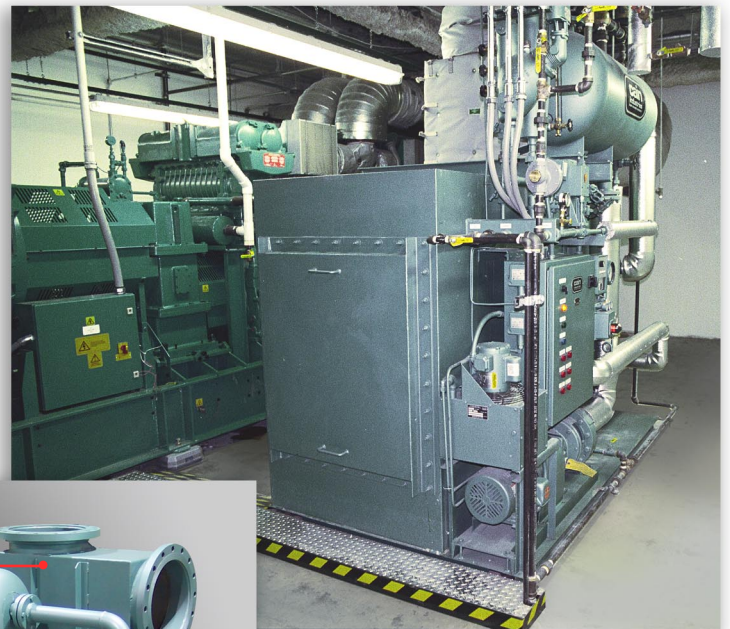
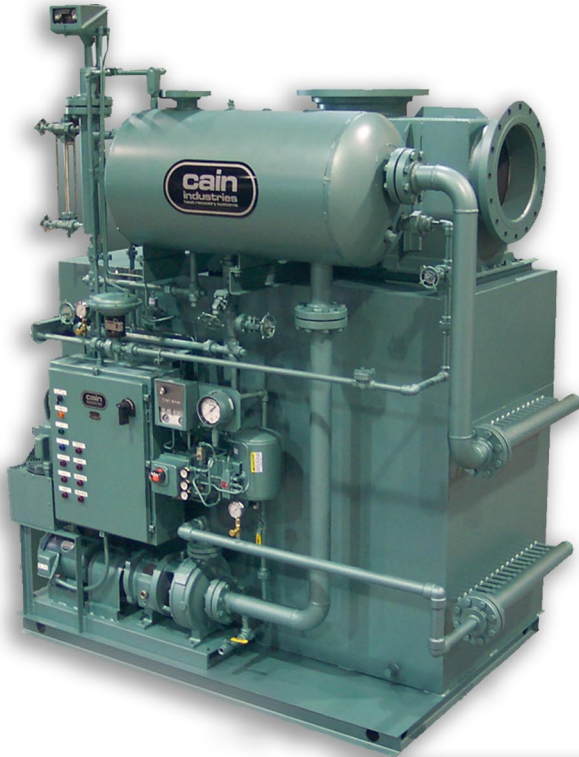


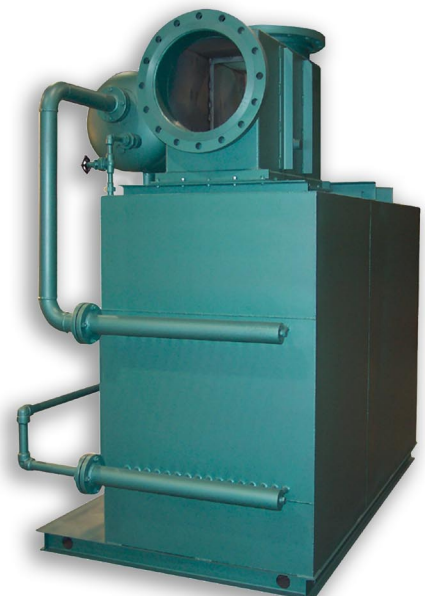
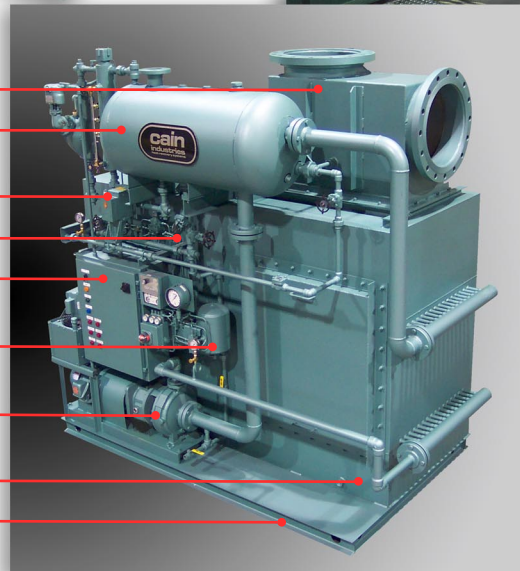
The fully packaged ESG1 is selected from 48 pre-engineered standard models with output capabilities of 20 to 500 boiler hp and operating steam pressures from 3 to 450 psig. The ESG1 is shipped complete, ready for operation as either a primary or supplemental steam source.

The ESG1 is made up of three basic sections:

- Finned tube transfer section
- Steam flash circulating drum assembly
- Modulating full port exhaust bypass system



- Exhaust Bypass Assembly
- Steam Flash Drum Assembly
- Modulating Pneumatic Feedwater Assembly
- Manifold Blowdown Assembly
- Electric Control Panel
- Modulating Pneumatic Damper Control Assembly
- High Temperature, High Flow Circulating Pump Assembly
- 10Ga Seal-Welded Hard Shell Exterior
- Heavy Duty I-Beam Skid



The integral forced circulating water pump continually circulates high temperature water from the steam flash drum assembly to the heat transfer core assembly. Btu is transferred from the exhaust to a high flow super-heated water/steam mixture. The super-heated water is returned to the steam drum which contains dry pipe, baffles and lance assemblies, where it flashes into 99% dry steam as it exits out to the system.