

Stationary Engineer Test Questions with Complete Solutions

Cl2 - ANSWER Chlorine

boiler - ANSWER equipment that provides hot water or steam for various uses

PRV - ANSWER PRESSURE RELIEVE VALVE

NOWL - ANSWER Normal operating water level

BTU - ANSWER British Thermal Unit

absolute pressure - ANSWER gauge pressure (psi) + atmospheric pressure (14.7 psi) at sea level

air changes per hour - ANSWER The hourly ventilation rate divided by the volume of a space. For perfectly mixed air or laminar flow spaces, this is equal to the number of times per hour that the volume the space is exchanged by mechanical and natural ventilation.

Air conditioner - ANSWER An appliance, system, or mechanism designed to dehumidify and extract heat from an area.

Chiller - ANSWER A device that removes heat from a liquid via a vapor-compression or absorption refrigeration cycle. This cooled liquid flows through pipes in a building and passes through coils in air handlers, fan-coil units, or other systems, cooling and usually dehumidifying the air in the building. Chillers are of two types; air-cooled or water-cooled. Air-cooled chillers are usually outside and consist of condenser coils cooled by fan-driven air. Water-cooled chillers are usually inside a building, and heat from these chillers is carried by recirculating water to a heat sink such as an outdoor cooling tower.

Condenser - ANSWER A component in the basic refrigeration cycle that ejects or removes heat from the system. The condenser is the hot side of an air conditioner or heat pump.

Controller - ANSWER A device that controls the operation of part or all of a system.

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Léo Pomar



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