

is provided on each relief valve discharge line to prevent drawing water up into the line due to steam condensation following termination of relief valve operation.

Each of the six relief valves provided for automatic depressurization is equipped with an air accumulator and check valve arrangement (See Figure 10.5-2).

These accumulators are provided to assure that the valves can be held open following failure of the air supply to the accumulators, and they are sized to contain sufficient air for a minimum of five valve operations. Accumulators are not required for the relief valves not used for automatic depressurization. The relief valves are designed to operate under maximum prevailing operating conditions and postulated accident conditions in the drywell.

10.5.3 System Features and Interrelations

10.5.3.1 ADS System Controls

The ADS Control system functionally illustrated in Figure A10.5-6, consists physically of pressure and water level sensors arranged in trip systems that control a solenoid-operated pilot air valve. The solenoid-operated pilot valve controls the pneumatic pressure applied to a diaphragm actuator which controls the relief valve directly.

Cables from sensors lead to the control room where the logic arrangements are formed in cabinets. The