



Preaction System

Single Interlock Electric Release

When the detector (1) is activated by fire, a signal is sent to the Par 3 Release Control Panel (2). The panel sends appropriate alarm and trouble signals and, at the same time, signals the release of the solenoid valve (3). The deluge valve priming chamber (4) is then vented faster than water is supplied through the restricted orifice (5), allowing the deluge valve to open. The water enters the system piping, but until a sprinkler (6) activates no water is discharged. When the deluge valve operates, pressure closes the PSOV (7) cutting off the supply of water to the priming chamber, latching the deluge valve in the open position.