



## Preaction System

### Single Interlock Electric Release

When the detector (1) is activated, a signal is sent to the VFR-400 release control panel (2). The panel sends appropriate alarm signals, and at the same time, signals the release of the solenoid valve (3). When the solenoid opens, the priming water is relieved from the internal prime chamber assembly (4). The prime chamber assembly collapses, and water passes through the G series valve and internal check diaphragm (5). The water enters the system piping, but until a sprinkler (6) activates no water is discharged. When the valve operates, pressure opens the pressure operated relief valve (PORV) (7) continuously venting the water to the priming chamber, ensuring the deluge valve remains in the open position.