

## Automatic Pressure Controller For Hydro Testing Application

### ADVANTAGES OF AUTOMATIC PRESSURE CONTROLLER: -

- Very compact and easy to install.
- Safe and reliable
- Saves 80% time of operator who is going to operate hydro test pump.
- Very precise
- There is almost no chance of accident. Whereas in manual hydro test, there are chances of increasing pressure by operator, which can damage costly equipment.
- Even a lay man can operate. No skill is required as it requires in manual operation.



### How it works?

The Automatic Pressure Controller (APC) consists of Continuous Pressure Sensing (CPS) device and Set Pressure Regulator (SPR). There are two displays in the APC, one for CPS and another for SPR.

Continuous Pressure Sensing (CPS) monitors the pump's actual pressure continuously as it is connected with discharge line of the pumping unit.

Set Pressure Regulator (SPR) is the device in which operator can set desired pressure. SPR can be adjusted from 0 to maximum pressure range of APC, that can be anything from 20 bar to 2000 bar, as per customer's requirement.

**FUNCTION:** CPS is integrated with SPR. CPS continuously read the actual pressure and SPR continuously check actual pressure. There is an electronic circuit which stops electric motor of engine as soon as actual pressure reaches to desired(set) pressure, which is set manually, as per the test pressure requirement.