You said: AUTO CUT PRESSURE CONTROL

An **auto-cut pressure control switch** is an automatic device that regulates mechanical systems by turning equipment on or off based on preset pressure limits. It serves as a primary automation and safety component across multiple industries. [

## Core Functions

- **Cut-Out Pressure:** This is the upper limit. The switch cuts off electrical power to stop the motor once the maximum desired pressure is reached. This prevents over-pressurisation and equipment damage. [
- **Cut-In Pressure:** This is the lower threshold. The switch automatically restarts the motor when system pressure drops below the minimum limit due to usage. [
- **Differential:** The gap between the cut-in and cut-out points, which prevents the motor from rapidly fluctuating on and off. [

## Common Applications

### 1. Air Compressors

An Air Compressor Auto-Cut Switch prevents pressure tanks from exploding. It often includes a built-in unloader valve to release trapped air head-pressure, ensuring a smooth, low-strain restart for the motor. Standard systems typically operate on factory defaults like 90–120 PSI or 8–10 Bar. [

### 2. High-Pressure Washers

In pressure washers, the switch detects when you release the spray gun trigger. It immediately stops the pump to prevent heat buildup and internal wear, then starts back up the moment you pull the trigger again. [

### 3. Water Pump Systems

Used in domestic borewells, overhead tanks, and commercial HVAC systems. It ensures that taps receive steady fluid pressure without forcing the water pump to run continuously