

PRODUCT INFORMATION**ASHCROFT PRESSURE INSTRUMENT
ISOLATION RINGS FOR PUMP APPLICATIONS**

Ashcroft pressure instrument isolation rings can be used to protect critical pump applications. Various types of pumps: centrifugal, positive displacement, turbine, etc., need a safeguard against cavitation and over-pressurization. The ability to stop and start pumps on critical pump discharges can be accomplished with a combination of Ashcroft instrument protectors and a single pressure, single pole, double throw, snap-action switch or an Ashcroft gauge equipped with electric contacts. A non-indicating switch and gauge combination can be supplied for pressure setpoint capability and visual process pressure indication.

When the preset high pressure setpoint is reached, the pressure switch contact will normally open, which deactivates the pump motor start coil turning the pump off. When the discharge pressure falls below the preset high pressure setpoint, the contacts will close. The start button must be activated to re-engage the pump motor starter.

When the preset low pressure setpoint is used, the pressure reaches the low pressure setpoint causing the pressure switch contacts to open which de-activates the pump motor starter. In order to restart, the start button must be activated long enough for the pressure to rise above the low pressure setpoint.