



Series 900 Vacuum Regulator With Duty/Standby Alarm Switch

The Series 900 offers feed rates up to 2,000 PPD (40 Kg/h) Chlorine or Sulfur Dioxide and is available with an optional duty/standby alarm switch. This feature provides an electrical switch indication when the unit changes between duty and standby.

- **3-Year Limited Warranty**
- **Hastelloy-C Inlet Adapter**
- **Solid Machined PVC Construction**
- **SCADA System Compatible**

Principal of Operation

When the vacuum regulator is manually placed into standby the alarm switch will change state. The state of the alarm switch will not change until the vacuum regulators switchover mechanism transitions from standby to duty and vice versa.

This switch is used to provide remote indication of the vacuum regulators status; whether the unit is in duty or standby.



Output Wiring

The Series 900 vacuum regulator with duty/standby alarm switch uses a simple normally open or normally closed circuit that can be connected to a SCADA system to indicate the units status.

The interior micro alarm switch has three connections:

- Normally open (NO)
- Normally closed (NC)
- Common (CO)

Before starting the gas chlorine system, connecting the NO and CO wires will set the initial state of the alarm switch to be normally open and connecting the NC and CO wires will set the initial state of the alarm switch to be normally closed.

The reversal of the alarm switch state indicates that the vacuum regulator has transitioned between duty and standby.

