

## Sodium Hypochlorite Batch Controllers

The Powell Batch Controller uses oxidation reduction potential —ORP— electrodes to monitor the caustic remaining in the batch system. The control panel measures and displays the chlorine content of the bleach on compact monochrome display monitor as the sodium hydroxide is chlorinated. This measurement is the direct input from the ORP electrodes installed in the bleach stream.

The batch controller enclosure is constructed of fiberglass, with the display panel and emergency stop button mounted in the door.

The sodium hydroxide must be at a predetermined strength before chlorination of the batch is begun. The batch controller utilizes two ORP alarms that perform a redundant safety feature. If the batch should exceed the control set point, the safety will alarm and shut the process down. The oxidation-reduction method utilizing silver and platinum electrodes immersed in the bleach solution measure the chlorine content of the bleach. The alarm set points are programmable and operator adjustable.

