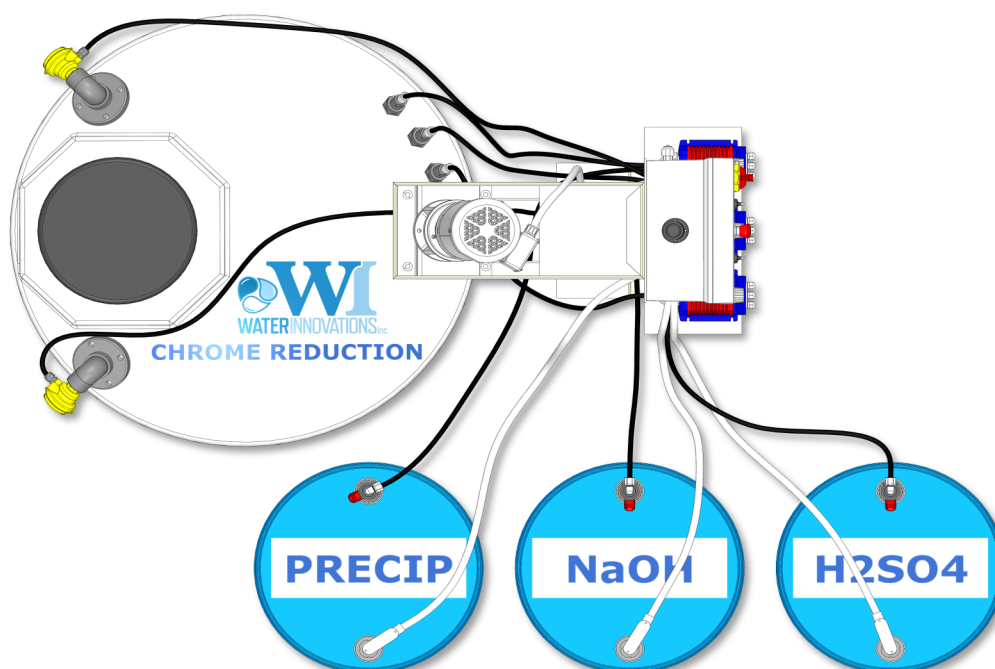




CHROME REDUCTION SYSTEM

A highly-automated system scalable by components sizing to treat up to 50 gallons per minute, either stand alone or integrated with our ion exchange & specialized treatment systems. Designed based on our years of experience with a variety of metal-bearing wastewater. The single reaction tank with mixers, pH & ORP sensors, and H₂SO₄ NaOH & reducer feed pumps ensures required reaction time for continuous chrome reduction by either a proprietary precipitant at pH 6 or my Na-MBS at pH 2.



Engineered to treat a wide range of waste water from various industrial applications

COMPONENTS - FEATURES - BENEFITS

- Flat-bottom reaction tank w/ gear-drive mixer
- Signet pH & level process-controlling sensors
- Air diaphragm or electronic chem feed pumps
- Treated water discharge/transfer pump
- Programmable Logic Control (PLC) automation
- Touch screen human-machine interface (HMI)
- Standardized, modular, and scalable
- Tank internals for maximum reaction time
- Best-in-Class, high-quality components
- Intuitive yet powerful operating controls
- 304-SS polyurethane-coated mixer stand
- Non-metallic tank for long service-life

CHROME REDUCTION SYSTEM

Programmable logic control (PLC) & touchscreen human machine interface (HMI)

Variable components sizes to meet a wide range of waste volume requirements

Best-in-class system components and state-of-the-art designs & engineering

Scalable Components

- Waste Holding Tank
- Waste Transfer Pump
- Reaction Tanks
- Tanks Mixer
- Chemical Feed Pumps
- Treated Water Pump

Applications

Designed for hexavalent chrome bearing rinses from many plating and metal finishing applications

- Hard Chrome Plating
- Conversion Coating
- Chromic Anodizing
- Decorative Chrome
- Plating on Plastics

Automation

- Allen-Bradley Compactlogix PLC
- Allen-Bradley Panelview HMI
- Signet sensors and instruments
- Proportional chem pump dosing
- Ethernet-based remote access
- Integrated HMI data-logging

