



CHROME REDUCTION SYSTEMS (CR AND CRP SERIES)

FIBERGLASS AND HDPE CONSTRUCTION

The Chrome Reduction CR (fiberglass tank) and CRP (HDPE tank) systems include one reaction tank that is skid-mounted and completely piped and wired. Wastewater containing chromium will be pumped or flow by gravity into the tank. Depending on the other contaminants in the wastewater, the pretreated wastes from the chrome reduction tank can flow to the chemical reaction system prior to a microfilter or clarifier system. Each tank is equipped with one mixer, two chemical feed pumps, one pH probe, one ORP probe, and one pH/ORP transmitter. On systems less than 1,000 gallon capacity, the mixing tank is mounted on a skid with a frame.

The standard Chrome Reduction system configuration has one tank equipped with a mixer, two chemical metering pumps, one pH probe, and one ORP probe.

On CR/CRP systems less than 1,000 gallon (3.8 m³) capacity, the mixing units are skid-mounted. The frame supports the mixer, probes and chemical pumps. The electrical control box, piping manifolds, conduit and wiring harnesses are also attached to this frame. Steps are supplied for operator access to the system.

Chrome reduction systems above 1,000 gallons are designed with a freestanding catwalk frame. The mixing tank is slid into place underneath the catwalk frame.

Standard Features

- Fully assembled at the factory
- Factory tested
- Skid-mounted or catwalk integrated
- Remote I/O control panel

Available Options

- Dual pH/ORP probe
- Extra chemical pump
- PLC/HMI control panel



CR-45

CHROME REDUCTION SYSTEMS

Model Number	CR/CRP-15	CR/CRP-45
Number of Tanks	One	One
Tank Material	FRP/HDPE	FRP/HDPE
Tank Volume	500 gallons 1.9 m ³	1,000 gallons 3.8 m ³
Type	Vertical Cylindrical	Vertical Cylindrical
Method of Construction	Skidded	Catwalk-Mounted
Recommended Through-Put	15 gpm 3.4 m ³ /h	45 gpm 10.2 m ³ /h
Mixers	1/3 HP, 460-Volts/3-Phase/60-Amps, TEFC	1/3 HP, 460-Volts/3-Phase/60-Amps, TEFC

VALVES AND PIPING CONNECTIONS

Outlet Connection	3" Male Pipe Stub	6" Male Pipe Stub
Drain Valve	2" True Union Ball Valve	2" True Union Ball Valve

SKID REQUIREMENTS

Dimensions (L x W x H)	72" x 55" x 85" 1,829 x 1,397 x 2,159 mm	100" x 113" x 145" 2,540 x 2,870 x 3,683 mm
Shipping Weight	879 lbs (399 kg)	2,445 lbs (1,109 kg)
Operating Weight	2,964 lbs (1,344 kg)	10,785 lbs (4,892 kg)



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