

PERFORMANCE DATA SHEET  
Chloramine Reducing System  
CRS 1100



The Kinetico Chloramine Reducing System (CRS 1100) reduces chloramine to less than 0.5 mg/L when operated in accordance with the operating instructions. This system is designed to operate in an upflow mode. This configuration allows the unit to run in service without the need for a backwash cycle. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

### GENERAL SPECIFICATIONS<sup>(+)</sup>

<b>Model:</b>	<b>CRS 1100</b>
<b>Peak Flow Rate:</b>	8 gpm
<b>Flow Type:</b>	Intermittent
<b>Activated Carbon Media per Tank:</b>	1.40 ft <sup>3</sup> (50 lbs.)
<b>Gravel Under-bedding</b>	0.14 ft <sup>3</sup> (14 lbs.)
<b>Min./Max. Operating Pressure:</b>	15 - 125 psi (103.4-861.9 kPa)
<b>Min./Max. Operating Temperature:</b>	35° - 120°F (2°-49°C)
<b>pH Range:</b>	5 - 10 SU

### CERTIFIED PERFORMANCE

<b>Application:</b>	<b>Residential</b>
<b>Flow Rate</b>	4 gpm
<b>Pressure Drop</b>	3 psi
<b>Average Reduction</b>	94.5%
<b>Minimum Reduction</b>	84.9%
<b>Average Influent Concentration</b>	3.06 mg/L
<b>Average Effluent Concentration</b>	0.17 mg/L
<b>Capacity (Life*)</b>	130,000 gallons

\* Based on 3.0 ± 10% mg/L influent challenge concentration and ≤0.5 mg/L maximum permissible water product concentration.

\* Reduce capacity (life) by 50% to achieve <0.1 ppm outlet.

\* The presence of total organic carbon (TOC) and/or elevated chloramine concentration will shorten bed life.

\* The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42.

<sup>(+)</sup> Not tested and certified by WQA.

Testing was performed under standard laboratory conditions and actual performance may vary.

(See manual for general installation conditions and needs, operation and maintenance requirements, replacement component availability and manufacturer's limited warranty.)

### WARRANTY COVERAGE

The Kinetico CRS 1100 carries a limited manufacturer's warranty. The warranty covers the parts of the Kinetico CRS 1100 for ten years. For complete details, see the actual warranty. The warranty will be void if influent water conditions exceed those specified in the system parameters.

**Note:** The carbon media in this system must be maintained and replaced according to the system's operating instructions. If these conditions are not met and the CRS 1100 is used in conjunction with a Kinetico softener, the ion exchange resin in the softener is not covered by warranty.



The CRS 1100 system has been tested and certified by the Water Quality Association (WQA) according to NSF/ANSI 42 for the reduction of chloramine. It has also been certified to NSF/ANSI 372, Drinking Water System – Lead Content and the CSA Standard B483.1 – Drinking Water Treatment Systems.