

Water Softener

083800 / 083801



Hydro-Chem, Inc.
6605 Broadmoor Ave SE
Caledonia, MI 49316

Office: (616) 531-6420
e-mail: service@hcs-clean.com

Part Number		083800	083801
Cubic Ft. Resin per each Tank		1.0	4.0
Max Grains Capacity per Lbs. Salt	Per Resin Tank	30/15	120/60
	Total per Day	120/60	480/240
Service Flow	Continuous	14 GPM	30 GPM
	Peak	19 GPM	41 GPM
Back Wash		2.0 GPM	7.0 GPM
Salt Storage		400 lb.	
Operating Pressure		25 - 125 PSI	
Max Operating Temperature		100°F	
Resin Tank Dimensions		9"D x 48"H	16"D x 65"H
Brine Tank Dimensions		18"D x 40"H	24"D x 41"H
Inlet / Outlet Size		1" NPT	1-1/2" NPT
Voltage Rating		110V 60Hz	
Breaker Size		15 A	

General Info

The purpose of this manual is to provide the necessary information to install and operate the Hydro-Chem equipment to exceed your defined expectation.

The Water Softener will come ready to assemble, plumb, and wire to.

Installation & Set-Up

The water softener is typically placed in the mechanical equipment room where shown on the project MEP, near the Booster Pump and a 110V outlet. Salt is required for the softener and any product specific start-up instructions are typically included with the softener. The water supply inlet is brought in from the main supply. The outlet is to be plumbed to the Booster Pump and any additional equipment. Refer to the project MEP for plumbing specifics that may vary.

Maintenance & Troubleshooting

The operation manuals for the respective water softener should be referred to for regular maintenance schedules and instructions. In-depth troubleshooting may be provided from the manufacturer while a general troubleshooting table may be found below.

Issue	Potential Solution
Water isn't softened	Is the bypass line open? If so, close it.
	Is there salt in the brine tank?
	Clear the brine tank of any clogs or salt mushing and replace salt
	Check settings within the control head and adjust if needed. Reset or replace the control head if necessary
System not regenerating	
Loss of water pressure	Clean the system, control head and brine tank in the case of scale or sediment buildup