



WATER

"a better solution.."

Automatic Water Softener CUDS-9500 Series - 1 1/2" Valve 26 to 47 Gallons Per Minute

The dual pressure tank **CUDS-9500 Series** water softeners provide an uninterrupted flow of soft water at all times. One of the dual tanks is on line at all times with the other acting as a standby. When the meter control determines that the on-line unit is exhausted, the standby unit is placed on line and the exhausted unit is regenerated and placed in standby.

Once setup, the CUDS-9500 is fully automatic. The only maintenance required is adding salt to the brine tank.

ADVANTAGES



CUDS-360-1.5
Automatic Water Softener

- CUDS-9500 technology is not new. These duplex systems have been operating reliably for over 20-years.
- CUDS-9500 systems provide equivalent performance to water softeners three times the combined size of the dual vessels.
- Meter controlled regenerations take place only when needed, for optimum salt efficiency.
- Meter controlled regenerations can take place any time of day, (as often as every 90 minutes), with no interruption in the flow of soft water.
- Frequent regeneration allow low salt dosages, making the CUDS-9500 super salt efficient and perfect in areas with capacity/pound salt restrictions.
- The CUDS-9500 pressure vessels and brine tank are constructed from inert corrosion-proof materials. No more rusty softeners. The pressure vessels are FRP fiberglass tanks and the brine tank is molded polyethylene.

**For More Information Please Call
1(800)CAL-WATER - (800) 225-9283**

OPERATION

A built-in turbine water meter in every **CUDS-9500** unit counts the gallons of water being softened by the on-line tank. When the on-line tank is exhausted the standby tank is put on-line and the exhausted tank is taken off-line and regenerated. When the 90-minute process is completed, the freshly regenerated tank is put on standby, ready for the switch.

APPLICATIONS

A CUDS 9500 system is ideal for any application requiring soft water 24 hours a day. Applications include boilers, cooling towers, reverse osmosis systems, and any other application requiring a continuous supply of soft water.

FLOW RATES AND CAPACITIES

Model	Pipe Size	Flow RateGPM Cont./ Peak**	Resin/Vessel Ft ³ / Kgr. Cap.	Pressure Vessels	Brine Tank
CUDS-180-1.5	1 1/2	26 / 37	3 / 540	14 X 65	22 X 36
CUDS-240-1.5	1 1/2	29 / 40	4 / 720	16 X 65	24 X 48
CUDS-300-1.5	1 1/2	37 / 48	5 / 900	22 X 60	24 X 48
CUDS-360-1.5	1 1/2	35 / 47	6 / 1,080	22 X 60	24 X 48
CUDS-480-1.5	1 1/2	37 / 50	8 / 1,440	24 X 60	24 X 48
CUDS-600-1.5	1 1/2	35 / 47	10 / 1,800	24 X 72	30 X 48

*Maximum capacities shown are based on multiple regenerations.

Maximum inlet pressure is 80 psi. Minimum inlet pressure is 35 psi. Maximum chlorine or other oxidizer content is 0.5 ppm. Maximum inlet temperature is 90°F. Maximum turbidity is 5 NTU.

Warranty: All CUDS-9500 series water softener controls are backed by a 3-year warranty. CUDS-9500 pressure vessels have a 5-year warranty. All warranties are for parts and factory labor only, barring misuse or abuse. Warranties are specifically limited to the repair or replacement of the equipment.

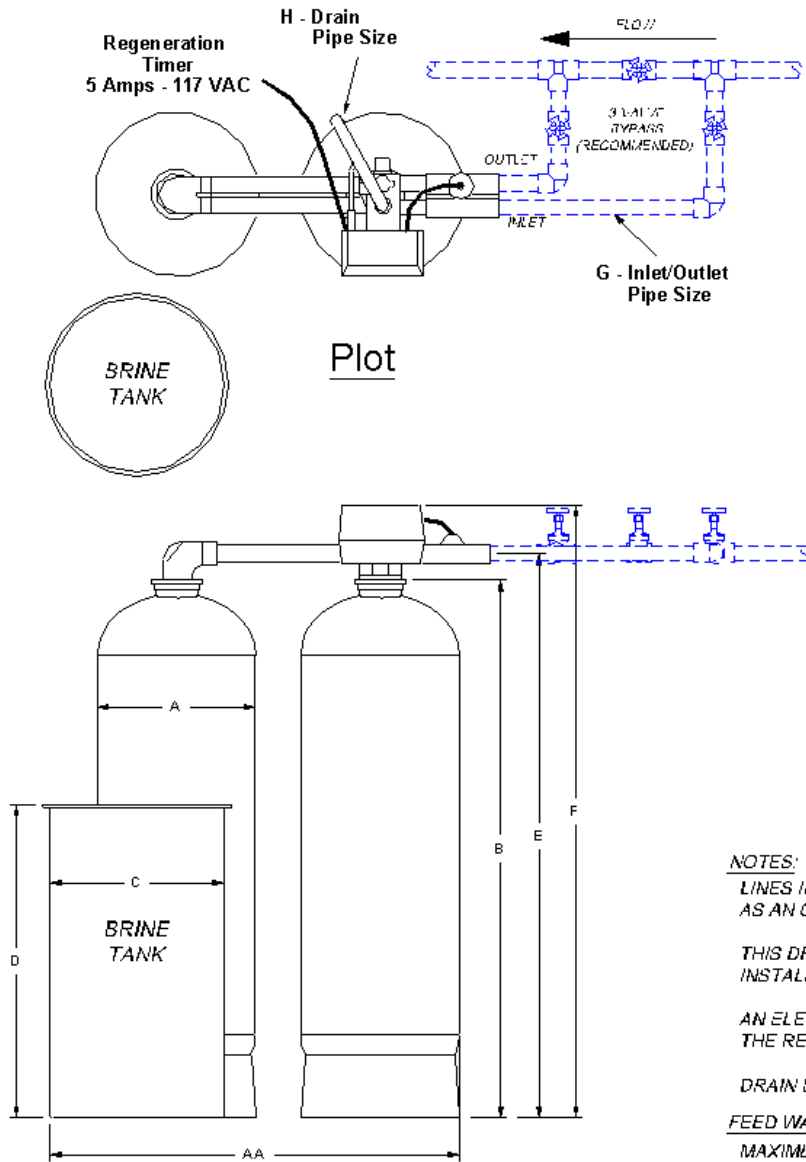
Cal-Water has been selling, installing and servicing water purification equipment since **1946**.

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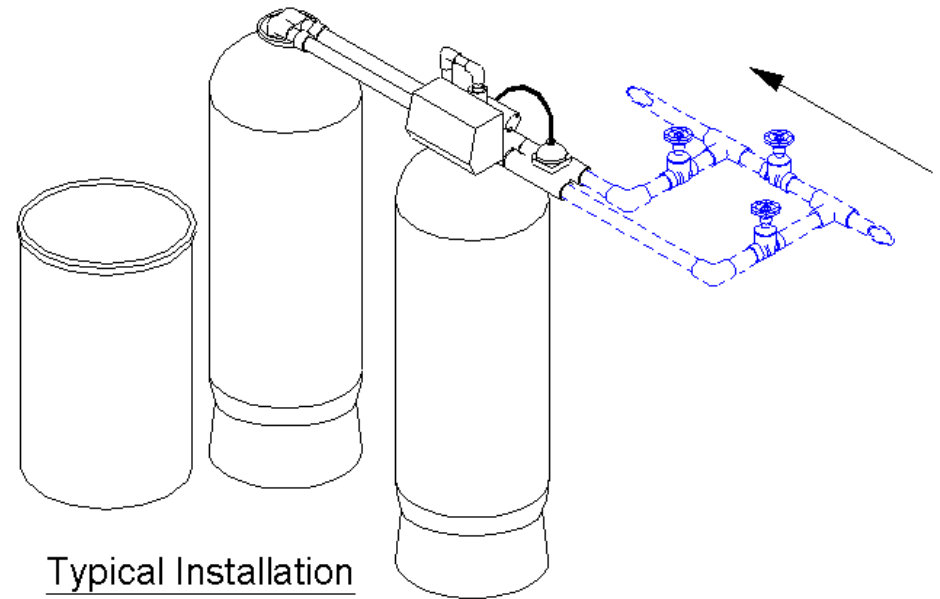
Orange County (714) 835-7878
Los Angeles County (323) 663-8335
San Diego County (858) 457-8411

CUDS-9500 Series Automatic Water Softeners

Model	Measurements are in inches								
	A	AA	B	C	D	E	F	G	H
CUDS-180-1.5	14	39	65	22	36	68	73	1 1/2	1
CUDS-240-1.5	16	44	65	24	48	68	73	1 1/2	1
CUDS-300-1.5	22	56	60	24	48	63	68	1 1/2	1
CUDS-360-1.5	22	56	60	24	48	63	68	1 1/2	1
CUDS-480-1.5	24	60	60	24	48	63	68	1 1/2	1
CUDS-600-1.5	24	63	72	30	48	75	80	1 1/2	1



Elevation



Typical Installation

NOTES:

LINES IN BLUE REPRESENT PLUMBING TO BE DONE BY CAL WATER AS AN OPTION, OR BY OTHERS.

THIS DRAWING ILLUSTRATES THE RECOMMENDED METHOD OF INSTALLATION FOR A CUDS-9500 SERIES WATER SOFTENER.

AN ELECTRICAL OUTLET NEAR THE EQUIPMENT IS REQUIRED TO RUN THE REGENERATION TIMER. (5 AMPS - 117 VAC)

DRAIN LINE SHOULD BE TO ATMOSPHERE TO PREVENT BACK PRESSURE.

FEED WATER SPECIFICATIONS

- MAXIMUM INLET PRESSURE = 80 PSI.
- MINIMUM INLET PRESSURE = 35 PSI.
- MAXIMUM CHLORINE/OXIDIZER CONTENT = 0.5 PPM.
- MAXIMUM INLET TEMPERATURE = 90°F.
- MAXIMUM TURBIDITY = 5 NTU.

Dimensions and Specifications

10/2002 DRAWING NO.: CUDS9500SoftLit.dwg



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