



## Automatic Water Softener UDS-9100 Series - $\frac{3}{4}$ & 1" Valve 10 to 25 Gallons Per Minute

### Industrial Water Purification

The dual pressure tank **UDS-9100 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 UDS-9100 is fully automatic. The only maintenance required is adding salt to the brine tank.

#### ADVANTAGES



**UDS-90-10-1**  
**Automatic Water Softener**

- UDS-9100 technology is not new. These duplex systems have been operating reliably for over 20-years.
- UDS 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 UDS-9100 super salt efficient and perfect in areas with capacity/pound salt restrictions.
- The UDS-9100 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.

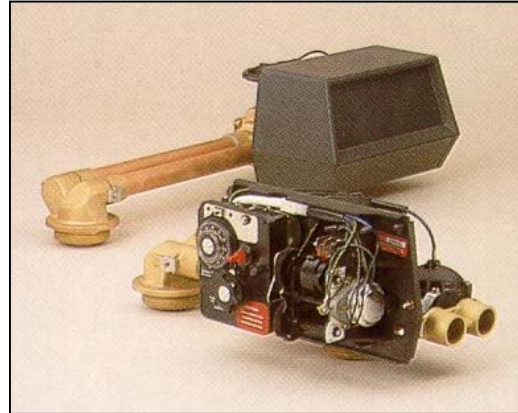
**For More Information Please Call  
1(800)CAL-WATER - (800) 225-9283**

## OPERATION

A built-in turbine water meter in every **UDS-9100** 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.

The UDS-9100 valve can switch and regenerate up to 4 times daily.



## APPLICATIONS

A UDS-9100 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 - GPM Cont./ Peak	Ft <sup>3</sup> Resin /Softener	Capacity In Grains	Softener		Brine Tank			Max Daily Capacity*	
					Dia.	Ht.	Dia.	Ht.			
UDS-60-9-75	3/4"	10 - 14	1	30,000	9"	X	40"	18"	X	36"	4,500
UDS-60-9-1	1"	14 - 19	1	30,000	36"	X	40"	18"	X	36"	4,500
UDS-90-10-75	3/4"	14 - 17	1.5	45,000	10"	X	54"	18"	X	36"	6,750
UDS-90-10-1	1"	16 - 20	1.5	45,000	10"	X	54"	18"	X	36"	6,750
UDS-120-12-75	3/4"	15 - 18	2	60,000	12"	X	52"	18"	X	40"	9,000
UDS-120-12-1	1"	16 - 20	2	60,000	12"	X	52"	22"	X	36"	9,000
UDS-150-14-1	1"	17 - 21	2.5	75,000	14"	X	65"	22"	X	36"	11,250
UDS-180-14-1	1"	17 - 22	3	90,000	14"	X	65"	22"	X	36"	13,500
UDS-240-16-1	1"	18 - 25	4	120,000	16"	X	65"	24"	X	40"	18,000

\*Capacity estimates are based on a hardness of 20 GPG @ 3 regenerations per day  
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.

**Limited Warranty:** All UDS-9100 controls are backed by a 3-year warranty. UDS-9100 pressure vessels have a 5-year warranty. All warranties are for parts and factory labor only, barring misuse or abuse. In case of defect in equipment, labor, material or service, Cal-Water's sole responsibility is for the replacement or repair of the defect and cannot be held liable for losses of any kind. (Please see Terms and Conditions of sale.)

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

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