

two-tank water softeners



American Plumber two-tank water softeners provide continuous soft water and are available in demand and time clock regenerated models.

DEMAND AND TIME CLOCK REGENERATED WATER SOFTENERS

REDUCES:

- Hardness and mineral deposits (calcium, manganese & iron)
- Iron-staining
- Scale build-up
- Soap film
- Water spots (on pots, pans, glassware, sinks and tubs)

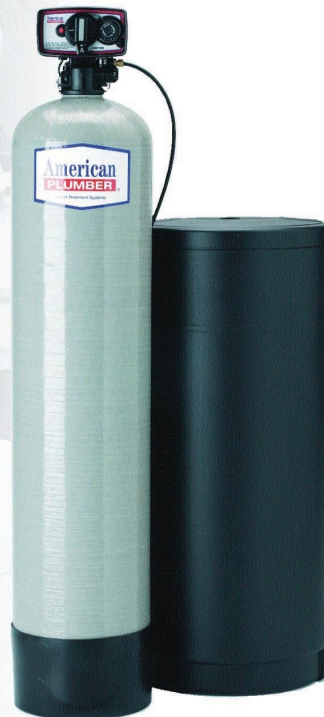
INCREASES:

- Plumbing/appliance life
- Effectiveness of detergents for cleaner, brighter wash

DEMAND REGENERATION:

- Saves water and salt
 - Regenerates only when necessary saving energy and money
 - Monitors actual water usage
- Five demand units available
- | | |
|-------------------------|------------------------|
| - 0.75 ft. ³ | - 2.0 ft. ³ |
| - 1.0 ft. ³ | - 3.0 ft. ³ |
| - 1.5 ft. ³ | |

See back for details



Model 5600 demand meter valve

TIME CLOCK REGENERATION:

- 12-day calendar clock
 - Regenerates automatically at pre-set intervals
- Two time clock units available
- | |
|------------------------|
| - 1.0 ft. ³ |
| - 1.5 ft. ³ |

See back for details



Model 5600 time clock valve

Note: Before purchasing a water softener, we recommend that you have your water tested. This will aid in determining the correct unit for your needs, while providing information needed to set the unit correctly.

FEATURES:

- Two-tank design
- Poly Glass™ vessels for years of reliable service
- Attractive and heavy-duty brine tank
- Large stand-alone brine tank for greater salt storage capacity
- Simple metering system provides for a long and dependable operating life (demand units)
- Internal bypass automatically provides water to the house while the system is being regenerated
- Low and easy maintenance
- Long-lasting and reliable softening media

PROGRAMMING THE DEMAND WATER SOFTENER:

Simply set the time of day and the capacity.

SETTING THE TIME CLOCK WATER SOFTENER:

Simply set the time of day and pull out the pins for the days to regenerate.

HOW DOES A WATER SOFTENER WORK?

During normal conditioning, raw water enters the system through an inlet at the top of the resin tank. As it seeps down through the resin bed, hardness and scale are collected on the ion exchange sites of the resin. The result is the quality and convenience of conditioned water.

During the regeneration cycle, the system automatically regenerates the ion-exchange resin while gently agitating the resin bed to remove foreign particles.

5600 Control Valve:

- Saves up to 50% on salt usage*
- Saves water and reduces sewage taxes*
- Simple and dependable mechanical meter*
- Initiates regeneration when needed, based on water usage*
- 1" inlet/outlet
- Bypass valve included
- Valve body and meter module molded from glass-reinforced Noryl® for exceptional strength and durability

*Demand units only

WARRANTY

- 10-year limited
- fiberglass resin tank
- brine tank
- 5-year limited
- 5600 control valve
- 1-year limited
- brine valve

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

CAUTION: Water softener must be kept from freezing which can cause cracking of the cabinet and resin tank and water leakage.

NOTE: Read all precautions on box and in manual before installing and using this system.

SPECIFICATIONS

Demand Water Softeners

Time Clock Water Softeners

Item Number American Plumber® Model	162405 W-422F	162406 W-430F	169409 W-450F	162412 W-460F	162415 W-490F	162407 W-431F	162410 W-451F
Resin Tank Size	8" x 44"	9" x 48"	10" x 54"	12" x 52"	14" x 65"	9" x 48"	10" x 54"
Brine Tank Size	18" x 33"	18" x 33"	18" x 33"	18" x 40"	18" x 40"	18" x 33"	18" x 33"
Softener Style	Two-Tanks	Two-Tanks	Two-Tanks	Two-Tanks	Two-Tanks	Two-Tanks	Two-Tanks
Salt Storage	325 lbs	325 lbs	325 lbs	425 lbs	425 lbs	325 lbs	325 lbs
Resin Volume	0.75 ft ³	1.0 ft ³	1.5 ft ³	2.0 ft ³	3.0 ft ³	1.0 ft ³	1.5 ft ³
Exchange Capacity (grains)*	18,600	24,800	39,960	49,600	74,400	24,800	39,960
Peak Flow @ 15 PSI Drop (gpm)	8	11	12	15	15	11	12
Service Flow Rate (gpm)	6	9	10	13	10	9	10
Total Hardness (grains)	60	60	60	60	60	60	60
Total Iron Removal (ppm)	2	2	2	2	2	2	2
Back Wash Rate (gpm)	1.5	2	2.4	3.5	5	2	2.4
By-Pass Valve	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Valve Model (Fleck)	5600 meter	5600 meter	5600 meter	5600 meter	5600 meter	5600 TC	5600 TC
Connection Size Inch	1"	1"	1"	1"	1"	1"	1"
Control Power Requirement	24V, 120VAC 60Hz	24V, 120VAC 60Hz	24V, 120VAC 60Hz	24V, 120VAC 60Hz	24V, 120VAC 60Hz	24V, 120VAC 60Hz	24V, 120VAC 60Hz
Installation Space Requirements	18" x 32" x 51"	18" x 32" x 63"	18" x 42" x 69"	18" x 44" x 67"	18" x 46" x 73"	18" x 32" x 63"	18" x 42" x 96"
Shipping Weight	75 lbs	85 lbs	110 lbs	150 lbs	215 lbs	85 lbs	110 lbs

*based on 10 lbs salt/cubic foot regeneration