



pH Balancing Filters

Water Softening and
Filtration Systems



Whole-house effective treatment of:

- ◆ Low pH - acidity
- ◆ High pH - alkalinity
- ◆ Water hardness
- ◆ Iron*

Features

- ◆ Insulated tank design to eliminate condensation
- ◆ Metered operation for precise salt efficiency
- ◆ Exclusive 5 year APM™ warranty

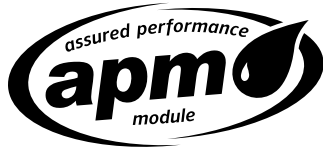
Water pH level is an important factor in the expected lifespan of your household plumbing system. High pH (over 8.5) can cause premature failure of mechanical systems due to excessive scaling. Low pH (below 6.5) can cause corrosion of piping and valves, as well as the leaching of heavy metals into drinking water.

* High iron concentrations may require additional equipment

** See official warranty for details



pH Balancing Filters and Softening Systems



Nearly all serviceable parts lie within the removable/replaceable APM™ module. This eliminates costly and time consuming field repairs.



How it works

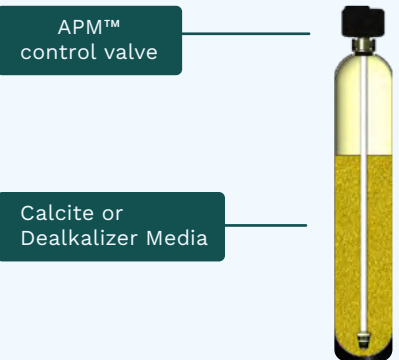
Water passes through a neutralizing media which balances pH levels. Regeneration is fully automatic. The acid neutralizer simply backwashes with water, while the dealkalizer regenerates with standard water softener salt. Combination units utilize both softening and pH adjustment medias.

Specifications	Acid Neutralizer	Dealkalizer	Softener/Acid Neutralizer	Softener/Dealkalizer
	STS-300	STS-400	STS-300+	STS-400+
Softening Capacity (grains)	N/A	N/A	20,500	27,000
Max Iron Capacity (ppm)	N/A	0.1	2	2
Max Flow Rate (gpm @ 10 psid max)	6	9	8	8
Softening Media (cu ft)	N/A	N/A	0.75	1
pH Adjustment Media (cu ft)	1.5	1.1	1.1	0.75
Mineral Tank Dimensions (in)	10 x 44	10 x 44	10 x 54	10 x 54
Brine Tank Dimensions (in)	N/A	18 x 33	18 x 33	18 x 33
Brine Tank Salt Capacity (lbs)	N/A	250	250	250
Backwash rate (gpm)	5.0	1.2	4.0	1.7
Regeneration Time (min)	30	90	90	90
Regeneration Frequency	4 days	Metered/14 days	Metered/4 days	Metered/7 days
Pounds of Salt per Regeneration	N/A	7.5	7.5	13.75
Overall Height (in)	54	54	64	64
Inlet / Outlet Pipe Size (in)	1	1	1	1
Pipe Centers (in)	2	2	2	2
Drain Tubing Size (OD) (in)	5/8	5/8	5/8	5/8
Approx. Shipping Weight (lbs)	170	100	160	120

*WCC recommends the use of clean pellet salt

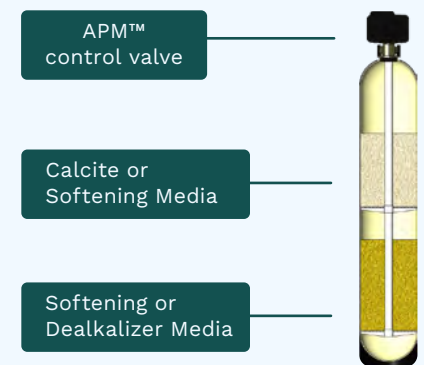
Primary components

STS-300 / STS-400 (pH-only Systems)



Primary components

STS-300+ / STS-400+ (Combo Systems)



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