



GUTHRIE & FREY

WATER CONDITIONING, LLC



Guthrie & Frey Water Softeners

Hard water can be much more problematic than you think. It can cause buildup of mineral scale inside your appliances and plumbing. It can block your water supply and cause appliances like dishwashers and washing machines to fail. Hard water stains kitchen and bathroom fixtures and also reduces the effectiveness of soaps and detergents, meaning that you and your clothing don't get as clean.

End the troubles of hard water with a Guthrie & Frey water conditioner. Our GF series water softener removes hard minerals from your water leaving it soft, clean and better tasting. Soft water saves you money. Enjoy the benefits of a Guthrie & Frey water softener. Call and order yours today!

Guthrie & Frey • gfwater.com

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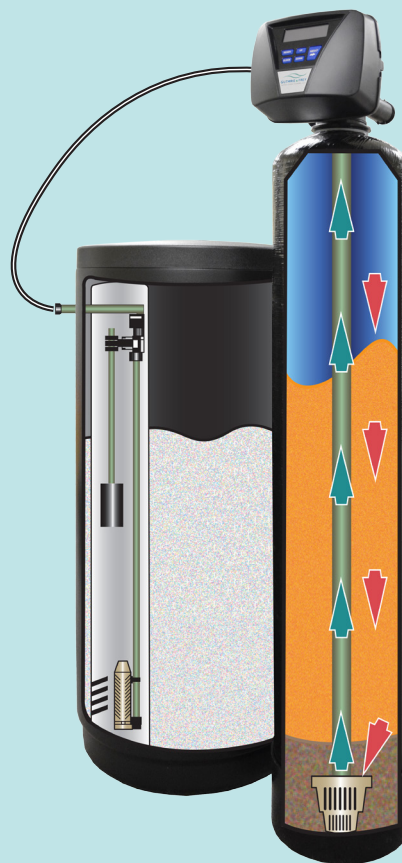
The Advantages of a Guthrie & Frey Water Softener

- ◆ Soft water improves the efficiency of water based heating systems and hot water systems and can extend the life of your water heater by 50%.
- ◆ Use only half the soap in the laundry, bathroom, and kitchen as you normally would with hard water.
- ◆ Save money on hair conditioners and shaving cream by using up to 25% less product.
- ◆ Extend the lives of dishwashers, washing machines and other water-using appliances by 30%.
- ◆ Laundered clothes will be cleaner and last longer.



How does a Guthrie & Frey Water Softener Work?

1. The untreated water enters the Control Valve where it is directed into the top of the Resin Tank and passes downward through a bed of resin. The resin will react with Calcium and Magnesium, the hardness minerals, by equally exchanging them for Sodium. When the water reaches the bottom of the tank, it is distributed up through a tube in the center of the tank into the Control Valve and through the outlet port as softened water.
2. When the resin is saturated with mineral (hard water) it must be regenerated. After a backwash step to clean the resin bed, a brine solution is flushed through the resin tank, bathing the resin beads with Sodium which replace the accumulated Calcium and Magnesium (hardness).
3. After brine is drawn into the resin tank, a rinse of just water passes through the bed rinsing the brine off. When the rinse cycles are finished, the resin cleaning process is complete and the bed is re-charged.
4. The Control Valve will track your water usage and automatically perform the above processes.





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GF SERIES

Automatic Water Softener Specifications



MODEL NUMBER	UNITS	GF24	GF40	GF50
EXCHANGE CAPACITY (KILOGRAINS)	MAX	24,030	40,060	60,896
	MID	21,020	34,515	52,024
	MIN	17,120	26,190	38,704
SALT PER REGENERATION (LBS. / REGEN)	MAX	11.5	19.8	30.0
	MID	7.5	15.4	20.0
	MIN	4.5	13.2	10.0
MAX SERVICE FLOW (1)	GPM	13.2	14.7	19.1
PIPE SIZE - IN/OUT	INCHES	1	1	1
DRAIN SIZE	INCHES	3/4	3/4	3/4
OPERATING PRESSURE MAX	PSI	125	125	125
OPERATING TEMPERATURE MAX	DEG F	110	110	110
MINERAL TANK SIZE (DIA. X HT.) (2)	INCHES	8X44	10x47	12x52
BRINE TANK SIZE (DIA. X HT.) (3)	INCHES	18x40	18x40	18x40
SALT STORAGE	LBS.	450	450	450
RESIN VOLUME	CU. FT.	0.75	1.3	2.0
ELECTRICAL (VOLTAGE, CYCLE)	120 Volts 60 Hz			
SHIPPING WEIGHT	LBS.	72	106	137
FLOOR SPACE	INCHES	27x18	28x18	31x18
OVERALL HEIGHT	INCHES	52	55	60
MAX FLOW TO DRAIN DURING REGENERATION (4)	GPM	1.7	2.2	3.2

(1) Pressure drop at 15 psi.

(2) Pressure vessels are seamless and made of reinforced fiberglass, pressure-tested at 300 psi.

(3) Brine tanks are fabricated of seamless, rigid, tough, high-impact, non-toxic polyethylene.

(4) 50 psi inlet pressure.