

Applications:

- **Apartment Buildings**
- **Hotels**
- **Car Washes**
- **Schools**

VF Series

Heavy Commercial Water Softeners

Control Valve

The VF Series is a 2" lead-free brass, rugged piston operated valve that will provide many years of trouble free service. Multiple units can be plumbed together to provide very high flow rates with minimum pressure loss. The advanced electronic control monitors the amount of water used and the flow rates. This is done to optimize the regeneration frequency which saves water and salt. You have many options for the initiation of regeneration, including sequential regeneration, alternating stand-by, delayed or immediate meter, time clock or progressive flow.

Regeneration Controller

Sterling offers you a choice of regeneration initiation to meet the requirements of any application. Choose from metered regeneration or time clock activation. Controls are fully adjustable and easy to operate. The VF Series control operates all steps of regeneration for both single and multiple tank configurations, including backwash, downflow brining, slow rinse, rapid rinse, brine refill, and downflow service.



Media Tank

Noncorrosive fiberglass tanks are rated for 150 psi operating pressures and environments up to 120°F. Optional carbon steel mineral tanks are available.



VF SERIES

SPECIFICATIONS

Model Number	Tank Sizes		Installed Dimensions			Shipping Weight
	Softener	Brine Tank	Length	Width	Height	
VFM090	14" x 65"	24" x 50"	53"	34"	79"	408 lbs
VFM120	16" x 65"	24" x 50"	55"	34"	79"	487 lbs
VFM150	18" x 65"	24" x 50"	57"	34"	79"	562 lbs
VFM210	21" x 62"	24" x 50"	60"	34"	79"	714 lbs
VFM300	24" x 72"	30" x 50"	69"	40"	86"	958 lbs
VFM360	24" x 72"	30" x 50"	69"	40"	86"	1158 lbs
VFM450	30" x 72"	39" x 48"	84"	49"	92"	1290 lbs
VFM540	30" x 72"	39" x 48"	84"	49"	92"	1440 lbs
VFM600	36" x 72"	39" x 48"	90"	49"	102"	1805 lbs



Model Number	Pipe Size	Max. Capacity/ lbs of Salt (15# / ft ³)	Medium Capacity/ lbs of Salt (6# / ft ³)	Flow Rate (GPM)			Resin Quantity (cu. ft.)
				Continuous Rate @ 15 psi Drop	Peak Rate @ 25 psi Drop	Backwash Rate	
VFM090	2"	90,000 / 45	72,000 / 27	37	57	5	3
VFM120		120,000 / 60	96,000 / 36	44	67	7	4
VFM150		150,000 / 75	120,000 / 45	51	76	9	5
VFM210		210,000 / 105	168,000 / 63	60	87	12	7
VFM300		300,000 / 150	240,000 / 90	65	92	15	10
VFM360		360,000 / 180	288,000 / 108	59	86	15	12
VFM450		450,000 / 225	360,000 / 135	76	105	25	15
VFM540		540,000 / 270	432,000 / 162	72	101	25	18
VFM600		600,000 / 300	480,000 / 180	84	114	30	20

NOTE: The letter "D" in prefix indicates dual units (i.e. DVFM300). "T" in the prefix indicates a tri-plex system (i.e. TVFM450). "M" denotes meter initiated regeneration. Peak flow rates should not be used for unit sizing. Alternating standby configuration is available on VF series units by using "SB" suffix to model number (i.e. DVFM300-SB). The flow rates of comparable sized single units will apply.



VF Series Control Valves

Designed, assembled & tested in the USA.

