Technical Data Sheet

WQ SF

Complete Water Quality Solutions

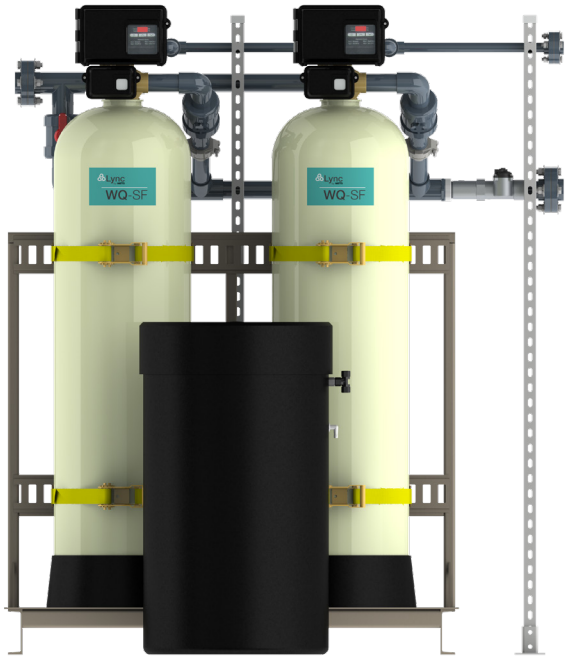
Lync by WATTS

Engineered Solutions

Lync WQ-SF is a complete, fully engineered domestic water quality system solution. Expertly designed by one manufacturer, the Lync WQ-SF offers a compact, pre-assembled, and configurable sodium regenerated water softener for the reduction of water hardness.

The system utilizes an ion exchange resin to effectively remove hardness from the water by exchanging hardness ions such as calcium and magnesium for non-hardness ions such as sodium or potassium. When the resin has no more sodium or potassium to exchange for hardness minerals, the system will automatically regenerate, restoring its capacity to soften water.

WQ-SF includes mineral tanks to hold the ion exchange resin, a brine tank to hold the regeneration solution, and metered control valves for automatic operation of the system. The size of the mineral tanks is configurable based on the required flow rate of the system. WQ-SF is available in either Twin Alternating or Progressive Flow configurations.



Features

Fully Engineered and Factory-Assembled

- Mineral tanks fastened onto a steel skid for safe and easy transportation and installation
- Plumbing and wiring are factory pre-assembled to keep installation time and labor to minimum.
- Systems available in either Twin Alternating or Progressive Flow configurations
- Lower construction costs for new installations
- Reduced downtime during retrofits

Superior Safety, Reliability, and Longevity

- Effectively reduces dissolved hardness, scale formation inside the plumbing system, and spot formation outside the plumbing system
- Softened water reduces soaps and cleaning product consumption by up to 50%
- Reduces water heating costs
- Prolongs the life of water using appliances
- Tanks will come online during high flow demand periods to add flow rate capacity (Progressive models only)
- Tanks will go offline during low flow demand periods to ensure optimal efficiency and water quality (Progressive models only)

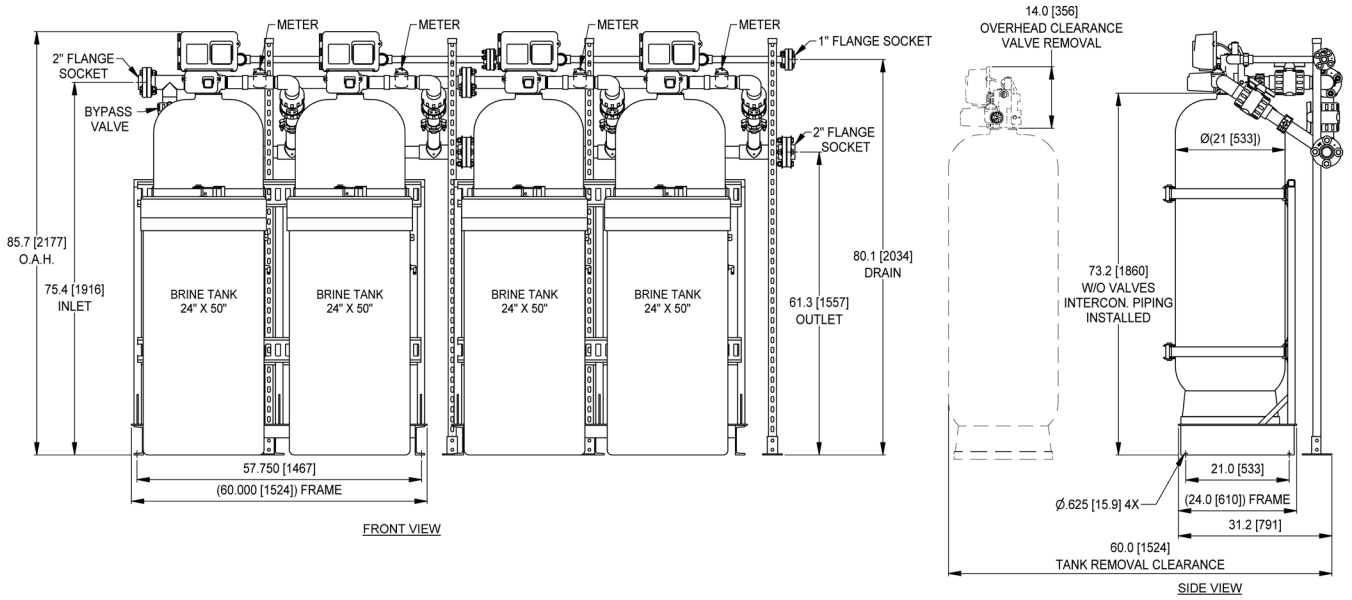
Standard Components

- Cation exchange resin to remove hardness from water
- Mineral tanks to hold the ion exchange resin
- System control valve(s) with flow meters to control all functions of the water softener
- Brine tank(s) to hold the regeneration solution
- Internal distributor system

Technical Data

Unit	WQSF-025-N	WQSF-050-N	WQSF-075-N	WQSF-100-N
Performance				
Twin Alternating/Progressive Flow	TA	TA	P	P
Number of Tanks	2	2	4	4
Peak Service Flow1,2 [GPM]	25	50	75	100
Pipe Size [in]	2	2	2	2
Tank Size [in]	18” x 65”	21” x 62”	18” x 65”	21” x 62”
Resin [ft3/tank]	5	7	5	7
Gravel [lbs/tank]	100	100	100	100
Backwash [GPM]	7	12	7	12
Max Grain Removal Capacity	300,000	420,000	600,000	840,000
Electrical Data[3]				
Voltage [V], Phase, Frequency [Hz]	120, 1Ø, 60			
Amps [A]	5/unit			
Dimensions w/o Brine Tank(s)				
Width [in]	75	75	135	136
Depth [in]	38	39	38	39
Height [in]	86	86	86	86
Shipping Weight [lbs]	2000	2200	4200	4600
Brine Tanks(s) and size [in]	1 – 24” x 50”	1 – 24” x 50”	4 – 24” x 50”	4 – 24” x 50”

1. Skid Mounted FRP Top Mount Softener Systems with Fleck® 2900 1” Drain
2. Flow rates listed above are based on pressure drop only. Selecting a system based on pressure drop alone does not guarantee that the system will provide adequately softened water. System selection should be based on resin quantity, capacity required, feed water analysis, and application requirements.
3. Electrical data specific to each individual component



Dimensions of a Progressive Flow System [100 GPM]
For dimensions on all models, please refer to dimensional drawings.

Lync® by WATTS

Engineered Solutions

Fort Worth, TX • (817) 335-9531