DATA SHEET

SAFF® Specifications

	SAFF®40	SAFF®20
Max treatment capacity (influent)	110 gpm	50 gpm
Power consumption (average)	0.002-0.003 kWh/gal treated*	0.002 kWh/gal treated*
Peak current	65A (SAFF circuit breaker)	
Generator sizing	65A (SAFF circuit breaker)	
Transport weight approx.	31,000 lbs	20,000 lbs
Max weight, full of water	77,000 lbs	55,000 lbs
Handling provisions	Standard container casting lugs	
Transport dimensions (length x width x height)	40 x 8 x 9.5 ft ISO high cube shipping container	
Feedwater interface	Inlet connection comprised of two connections 1x 3”/ANSI150 flanged connection (influent) 1x 3”/ANSI150 flanged connection (return/circulation)	
Treated water interface	1x 3”/ANSI150 flanged connection	
Wastewater interface	Concentrated PFAS waste is stored inside the SAFF® system and can be extracted using a barbed 1” flex-hose connection, accessible through a hatch	
Telemetry interface	Stridelinx VPN modem. Customer to provide 4G Verizon SIM card or hardwired ethernet connection	

* Power consumption is dependent on feedwater chemistry and treatment cycle time.

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Boston, MA 02210

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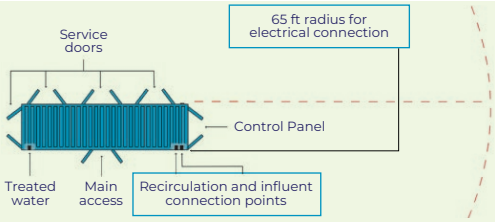
Customer to Provide

	SAFF®40	SAFF®20
Recommended feedwater supply	Continuous influent flow with recycle to customer provided influent holding tank. Option for configuration to communicate between SAFF and customer provided influent pump.	
Feedwater supply *Recommended to utilise the full treatment capacity	Recommended influent flow at SAFF influent flange 225gpm. No minimum influent flow necessary to operate.	
Discharge line for treated water	Maximum discharge flow at SAFF effluent flange 205gpm at maximum 200kPa	
Power supply (recommended)	480V 3-phase 60Hz (Delta, no neutral)	
Electrical connection	49 ft, 4-core 6AWG weatherized electrical cable is provided for connection to site provided 100A disconnect. Connection by licensed electrician to be provided by customer. Separate grounding cable to be installed via grounding rod or to panel by customer.	
Data network	Customer to ensure SAFF® system is in 4G/5G covered area or hardwired internet connection is available	
Foundation	Preferably a concrete slab or equivalent compacted gravel hardstand. A level surface for container set down with no greater than 1 in difference in grade. If the site is sloping, it's recommended to make level using leveling shims. The container must be level to ensure correct operation of doors and to ensure pipe / tank falls are operating correctly.	
Recommended hardstand dimensions	41ft x 10ft	
Site space (recommended length x width)	50ft x 20ft	
Installation diagram		• All customer provided hoses shall be solid reinforced hoses rated to 10 bar or greater. • End connections are 3" ANSI150 flanges
Other inclusions	• Insulated SAFF container with included heaters for winter operations • Included 1-year manufacturer´s warranty • Included 10-day onsite commissioning services with hands-on training, and digital training modules	

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