

2060f OD Sulfur Guard

System Components

Media Vessel (qty) Size.....	(2) 8" x 40"
Media Vessel Construction.....	Wrapped Polyethylene
Empty Bed Volume.....	1.04 ft ³
Media Type.....	Sulfaban™
Media Volume.....	0.70 ft ³
Bed Depth.....	26"
Free Board.....	14"
Riser Tube.....	1" ABS
Distributor Upper.....	0.014" Slots, ABS Basket
Lower.....	0.014" Slots, ABS Basket
Under bedding (each tank).....	Gravel
Under bedding Volume (each tank).....	0.06 ft ³ (6.0 lbs.)
Regeneration Control.....	Non-electric Use Meter
Regeneration Type.....	Countercurrent
Meter Type.....	0.30 - 25.00 gpm Polypropylene Turbine

Inlet Water Quality

Pressure Range.....	15 – 125 psi Dynamic Pressure
Temperature Range.....	35 – 120° F
pH Range.....	5 – 10 SU
Dissolved O ₂ (Min.).....	1.0 mg/L
Hydrogen Sulfide H ₂ S (Max.).....	8.0 mg/L
Iron (Max.).....	< 0.05 ppm
Hardness CaCO ₃ (Max.).....	< 1.0 gpg

Operating Specs

Service Flow Rate (15 psig).....	5.0 gpm
Flow Configuration.....	Overdrive
Dimensions (width x depth x height).....	17" x 8" x 46"
Weight (Operating / Shipping).....	200 / 140 lbs.

Connections

Inlet / Outlet Connections.....	Custom Adapter and E-clip
Drain Connection.....	0.5" Tube
Brine Line Connection.....	0.375" Tube
Power.....	None

System Part Numbers

2060f OD Sulfur Guard, 4" x 37" regen tank.....	11407
2060f OD Sulfur Guard, 12" x 40" regen drum.....	11413
2060f OD Sulfur Guard, media on the side, 4" x 37" regen tank... ..	11409
2060f OD Sulfur Guard, media on the side, 12" x 40" regen drum.....	11412

Regenerant Tank Options

Tank Description.....	with Drum.....	with Tank
Tank Height.....	40".....	37"
Tank Footprint.....	12" DIA.....	4" DIA
Bleach Capacity.....	8.5 gallons.....	1.75 gallons

Regeneration Specifications

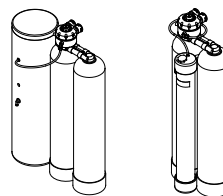
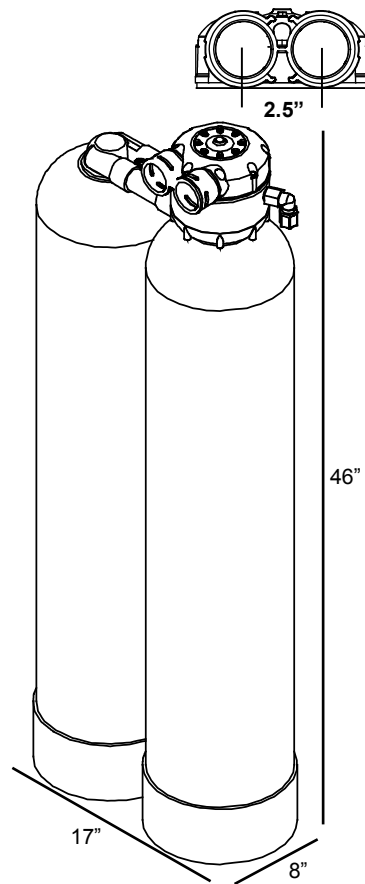
Regeneration Volume.....	50 gallons
Regeneration Time.....	40 minutes
Backwash Flow Control.....	2.50 gpm
Brine Refill Flow Control.....	0.40 gpm

Regenerant	Dissolved Oxygen	Volume	Meter Disc:
7% H ₂ O ₂	< 1.0 ppm	600 mL	
6.0 % Bleach	< 2.0 ppm	600 mL	
5.25 % Bleach	< 2.0 ppm	600 mL	
Choice of Above	> 2.0 ppm	600 mL	

Disc Selection

(ppm of H₂S)

1	2	3	4	5	
1	2	4	6	8	
1	2	4	6	8	
1	2	4	6	8	
2	4	6	8	--	
Gallon/Regeneration:	2,000	1,000	667	500	400



Kineticico 2060f OD Sulfur Guard

Operating Profile

System shall remove sulfur to less than 50 ppb when operated in accordance with the operating instructions. The system shall include two tanks. This duplex configuration shall operate with both tanks on-line during service. During regeneration cycles, one tank shall provide water to service and to the regenerating tank. A water meter shall initiate system regeneration. The water meter shall measure the processed volume and be adjustable. Service flow shall be downflow and regeneration flow shall be upflow.

Regeneration Control Valve

The regeneration control valve shall be top mounted (top of media tank), and manufactured from non-corrosive materials. Control valve shall not weigh more than four pounds. Control valve shall provide service and regeneration control for two media tanks. Inlet and outlet ports shall accept a quick connect, double O-ring sealed adapter. Interconnection between tanks shall be made through the regeneration valve with a quick connect adapter. Control valve shall operate using a minimum inlet pressure of 15 psi. Pressure shall be used to drive all valve functions. No electric hook-up shall be required. Control valve shall incorporate three operational cycles including; service, regenerant draw, and service rinse. Service cycle shall operate in a downflow direction. The regenerant draw cycle shall flow upflow, opposite the service flow, providing a countercurrent regeneration. Control valve shall contain a fixed orifice eductor nozzle and self-adjusting backwash flow control. The control valve will prevent the by-pass of untreated water to service during the regeneration cycle.

Media Tanks

The tanks shall be designed for a maximum working pressure of 125 psi and hydrostatically tested at 300 psi. Tanks shall be made of polyethylene and reinforced with a fiberglass wrapping. Each tank shall include a 2.5 in. threaded top opening. Each tank shall be NSF approved. Upper and lower distribution system shall be of a slot design. Distributors will provide even flow of regeneration water and the collection of processed water.

Media

Each system shall include 0.7 ft³ of Sulfaban™ media. The media shall be specialized for the removal of sulfur through an absorptive process. Media will be reactivated through the use of a strong oxidizing agent such as sodium hypochlorite (bleach) or hydrogen peroxide (H₂O₂).