

Sulfur Sealing Options



	Device	Seal Leg	<i>SxSeal 1000</i>	<i>SxSeal 2000</i>
Configuration	Inlet / Outlet Elevation	12" minimum	18" to 24" minimum (depending on size)	3" standard
	Vessel NPS	10" minimum (jacket)	12" minimum	18" minimum
	Accessibility	20+ feet below ground	Above ground	Above ground
Function	Pressure Relief	Supplemental relief path	No relief path	Supplemental relief path
	Monitoring and Diagnostic	Look-box or sight-glass assembly required for monitoring; no direct diagnostic while on-line.	Look-box or sight-glass assembly required for monitoring; can be opened and inspected while on-line.	Built-in sight-glasses for on-line monitoring and unit diagnostic.
	Debris Handling	Debris accumulates at bottom of seal leg; potential plugging without warning.	Debris accumulates in filter screen; frequent cleaning required.	Debris accumulates in large settling area; cleaning required at turn-around only.
Maintenance	Maintenance Frequency	Proactively at turn-around, or as needed when plugging occurs.	Filter screen maintenance required weekly; complete cleaning at turn-around.	Complete maintenance required at turn-around.
	Maintenance Procedure	Crane removal from ground & vessel disassembly.	All maintenance is performed with unit in-place.	All maintenance is performed with unit in-place.
	Safety Concerns	Vessel rigging; exposure to hot sulfur during cleaning.	Exposure to H2S and hot sulfur during weekly maintenance.	Exposure to hot sulfur during cleaning.
	Corrosion	Below ground installation subject to corrosion from ground water; no monitoring capability.	Above ground vessel can be monitored.	Above ground vessel can be monitored.
	Cross-Contamination	Potential cross-contamination from steam jacket.	No cross-contamination from bolt-on heating system.	No cross-contamination from bolt-on heating system.
Commercial	Unit Cost	\$15,000 to \$80,000	\$46,000 to \$61,000	\$57,000 to \$72,000
	Installation Cost	\$15,000 to \$35,000	\$5,000 to \$10,000	\$5,000 to \$10,000
	Total Installed Cost	\$30,000 to \$115,000	\$51,000 to \$71,000	\$62,000 to \$82,000