



# OXYGEN SENTINEL

Removes Oxygen from Sour Gas Streams

Our reliable technology is an environmentally safe **Oxygen Removal solution** for gas streams with sour gas takeaway.

- Passive, catalytic sorbent bed removes Oxygen from the gas stream, provided existing H<sub>2</sub>S concentration is at least twice that of the Oxygen concentration (Example: 10,000 ppmv H<sub>2</sub>S and 30 ppmv Oxygen)
- Much safer than traditional Oxygen chemical scavengers, with no asphyxiation potential
- Disposable catalyst bed life is application-specific, typically 6-12 months and generally coincides with other planned facility maintenance to minimize disruptions
- No downstream corrosion or scaling and no overtreatment potential
- No moving parts for high reliability
- Extremely simple installation through modular, self-contained design
- Byproduct is non-hazardous and non-flammable, making disposal easy

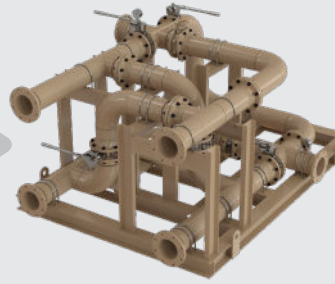
## Specifications

Flow Capacity: . . . . . 0-100 MMSCFD  
 Turndown: . . . . . Unlimited  
 Vessel Construction: . . . . . ASME Code Section VIII, NB Registered  
 Standard System MAWP: . . . . . 260 psog @ 200 F  
 Maximum System Operating Pressure: . . . . . 1,440 PSI  
 Vessel Models . . . . . (see back for sizes)  
 Max H<sub>2</sub>S Range to Inlet: . . . . . 30,000+ ppmv  
 Max O<sub>2</sub> Range to Inlet: . . . . . 8,500 ppmv, spikes to 10,000 ppmv  
 Typical O<sub>2</sub> at Outlet: . . . . . < 1 ppmv  
 Typical Inlet/Outlet Piping: . . . . . (see back for sizes)  
 Other included equipment: . . . . . ASME Code PRV, (4) Sample Ports, skidded design  
 Reactor Maintenance: . . . . . Annual

	Maximums	Minimums
<b>Flow</b>	100 MMSCFD	Any
<b>Oxygen</b>	8,500 typical, 10,000 ppmv spikes maximum	Any
<b>H<sub>2</sub>S</b>	Any	The average H <sub>2</sub> S must be at least twice the average O <sub>2</sub> content.



Lead-Lag Piping for Multiple Towers



Model #	Inlet/Discharge Connections	Water Leg
OS 70	2"	1/2"
OS 450	2"	1/2"
OS 1300	2"	1/2"
OS 2000	3"	1/2"
OS 3500	4"	3/4"
OS 6000	4"	1"
OS 20000	8"	2"
OS 40000	8"	3"
OS 50000	10"	4"

**Corporate Office**

1422 Delgany St. Suite 100  
Denver, CO 80202

**Field Offices**

1804 Cherry Ave.  
Greeley, CO 80631

915 Goode St.  
Midland, TX 79701

5072 Owan Industrial Park Dr.  
Williston, ND 58801

3200 US HWY 40  
Roosevelt, UT 84066

info@EcoVaporRS.com

1-844-No-Flare  
(844.663.5273)

**Available Options:**

- Automated, C1D2 self-sampling system
- Lead/Lag vessel design
- ANSI 600# & other custom vessel requests

