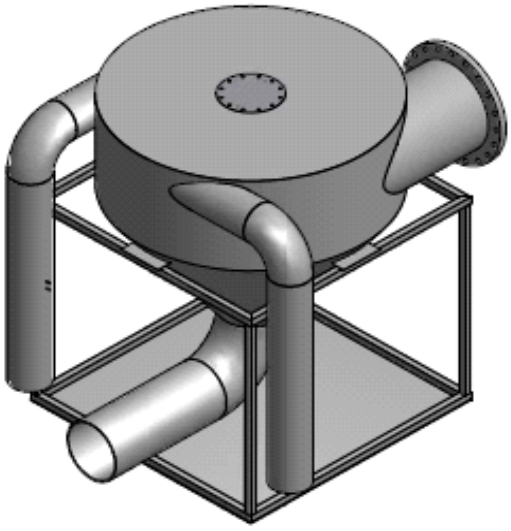
S.DOC-CYC

Silane Dynamic Oxidation Chamber Cyclone

Pure Air Systems



2115 N. Nevada St.

Chandler, AZ 85225

480-899-6124

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Pyrophoric Gas Abatement

Dynamic Oxidation is the safest and most cost effective abatement solution for pyrophoric gas. It provides the most reliable abatement method at the lowest capital and operation cost

Product Features

- **Dynamic oxidation**
- **PLC controls**
- **Low airflow interlock to shut off hazardous gas**
- **Non-combustible construction**
- **SEMI S2/CE certified, UL listed components, exceeds global standards**

Benefits

- **Minimal down time**
- **Smallest footprint**
- **Low capital & operating costs**
- **Highest level of safety**
- **Uses ambient air for oxidation**
- **No fuel consumption to abate silane**

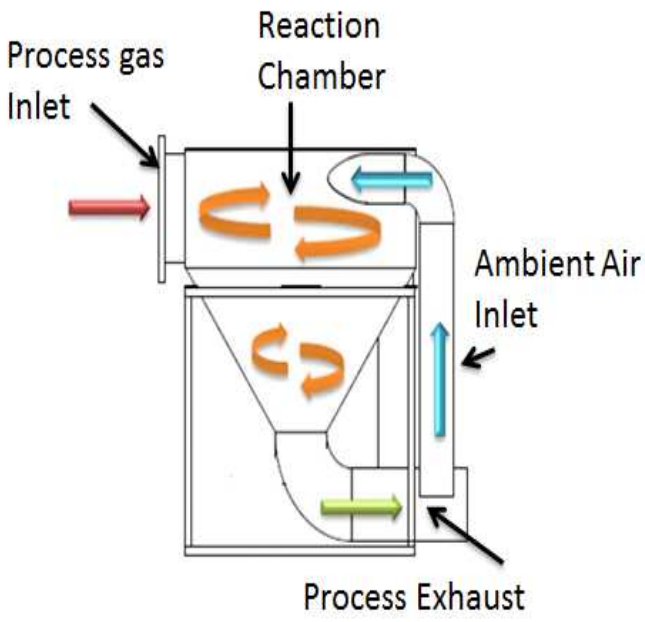
Patented Emissions Reduction Equipment

PRINCIPLES OF OPERATION

•The process gas enters the S.DOC through the process inlets located on the unit.

•The process gas then flows down into the reaction chamber where it is mixed with the incoming ambient air.

•The solid particles generated are conveyed out of the exhaust of the system.



S.DOC Specifications

Model	S.DOC-10-CYC	S.DOC-12-CYC	
Normal Silane Flow Rate	1LPM	2LPM	Larger systems available
Peak Silane flow rate (up to)	20 LPM	30LPM	Larger systems available
Total Process Gas Flow Rate	200LPM	300LPM	Larger systems available
Number of Process Inlet	2 or 4		KF 40, 1.5”
Process Exhaust	ISO 80, 3”	ISO 100, 4”	50-100 CFM
Cabinet Exhaust	KF 50, 2”	ISO 80, 3”	100-150 CFM
Electrical Requirements	120 VAC,60 Hz, 1 phase, 2 A		E.U. Standards available
Nitrogen Requirements	>75 psi		.2 CFH
Tool Interface	Interface signal for customer’s control/ monitoring system		Dry Contacts
Dimensions	17” x 20” x 52”	22”x 22” x 68”	Larger systems available
Shipping Weight	175 lbs	257 lbs	Larger systems available