

EXPLOSION SAFETY WORKSHEET



REMBE® Inc.

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Company _____
 Address _____

 Project _____
 Insurance Carrier _____

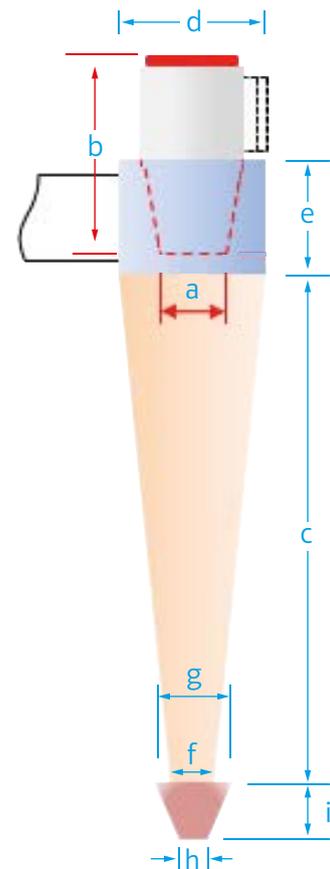
Contact _____
 Phone _____
 Fax _____
 Email _____

Cyclone

Process	
Maximum positive pressure	
Maximum vacuum	
Maximum process temperature	
Ambient temperature	

Combustible material	
Name	
P_{max}	barg
K_{St}	bar*m/s
MIE	mJ
Hybrid Mixture NFPA = < 10% LEC VDI = < 20% LEC	<input type="checkbox"/> Yes <input type="checkbox"/> No
Metallic dust	<input type="checkbox"/> Yes <input type="checkbox"/> No

Enclosure	
Tag/I.D. Number	
Manufacturer	
Model No.	
P_{red} – enclosure strength	
Enclosure location	<input type="checkbox"/> Indoors <input type="checkbox"/> Outdoors
If indoors - distance to exterior	
a	Immersion pipe diameter
b	Immersion pipe height
c	Hopper height
d	Body diameter
e	Body height
f	Cone bottom
g	Settling top
h	Settling bottom
i	Settling height



Inlet and exhaust air ducts	
Inlet diameter	
Inlet duct length	
Exhaust air dimensions	
Exhaust air duct length	

Outlet Rotary Valve (Explosion proof) Yes No

<input type="checkbox"/>	Explosion Venting – Control the Explosion Pressure Relieves explosion overpressure within process enclosure before destructive levels of pressure are reached
<input type="checkbox"/>	Explosion Isolation – Control the Explosion Propagation Mechanical barriers to prevent the spread of explosions through interconnected pipe or ducts
<input type="checkbox"/>	Return Air Isolation – Control the Explosion Propagation

Comments: _____

Submit