

# EXPLOSION SAFETY WORKSHEET



REMBE® Inc.

3809 Beam Road Suite K | Charlotte, NC 28217, USA | T +1 704 716 7022 | F +1 704 716 7025 | info@rembe.us  
www.rembe.us

Company \_\_\_\_\_  
 Address \_\_\_\_\_  
 \_\_\_\_\_  
 Project \_\_\_\_\_  
 Insurance Carrier \_\_\_\_\_

Contact \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Fax \_\_\_\_\_  
 Email \_\_\_\_\_

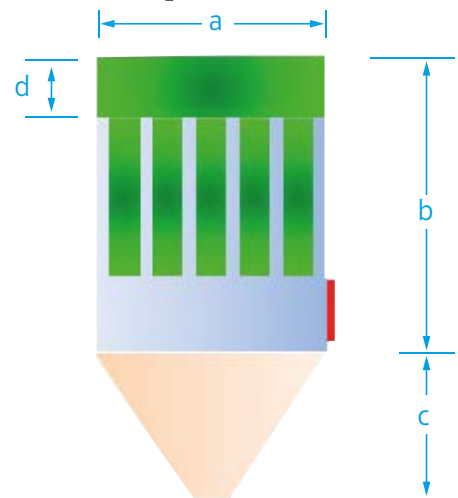
## Cylindrical dust collector-clean air on top

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	Body diameter
b	Body height
c	Hopper height
d	Clean air height
Hopper discharge dimension	

Outlet	
Outlet Rotary Valve (Explosion proof)	<input type="checkbox"/> Yes <input type="checkbox"/> No



Filter elements	
Filter diameter	
Filter length	
Number of filters	

Inlet and clean air ducts	
Inlet diameter	
Inlet duct length	
Clean air dimensions	
Clean air duct length	

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

Comments: \_\_\_\_\_  
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