



Explosion Protection Worksheet

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Company _____
Address _____

Project _____

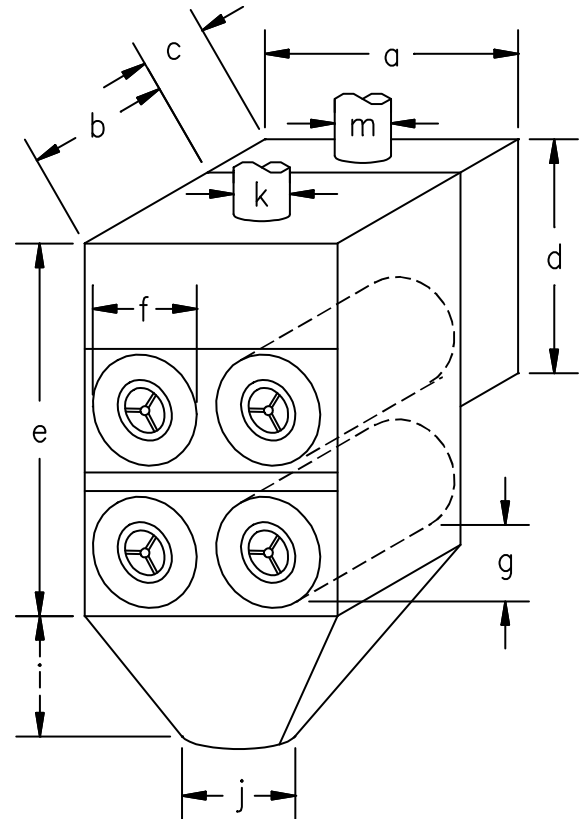
Contact _____
Phone _____
Fax _____
E-Mail _____

Cartridge Collector

Process	
Maximum positive pressure	
Maximum vacuum	
Maximum process temperature	
Ambient temperature	
P_{red} - enclosure strength	
Enclosure location	<input type="checkbox"/> indoors <input type="checkbox"/> outdoors
If indoors - distance to exterior wall	

Combustible material	
Name	
K_{St}	bar*m/sec
P_{max}	barg

Enclosure	
Tag/I.D. Number	
Manufacturer	
Model Number	
a	Width
b	Length - dirty air plenum
c	Length - clean air plenum
d	Height - clean air plenum
e	Height - dirty air plenum
f	Cartridge filter - diameter
g	Cartridge filter - length
h	Cartridge filter - quantity
i	Hopper-height
j	Hopper discharge-diameter
k	Inlet diameter



	Distribution Baffle	<i>provide sketch</i>
	Exhaust diameter	

- Explosion Venting** - Control the Explosion Pressure
Relieves explosion overpressure within process enclosure before destructive levels of pressure are reached
- Explosion Isolation** - Control the Explosion Propagation
Mechanical barriers to prevent the spread of explosions through interconnected pipe or ducts

Comments:
