



## Explosion Protection Worksheet

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Company \_\_\_\_\_  
 Address \_\_\_\_\_  
 Project \_\_\_\_\_

Contact \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Fax \_\_\_\_\_  
 E-Mail \_\_\_\_\_

### Generic, round

Description:

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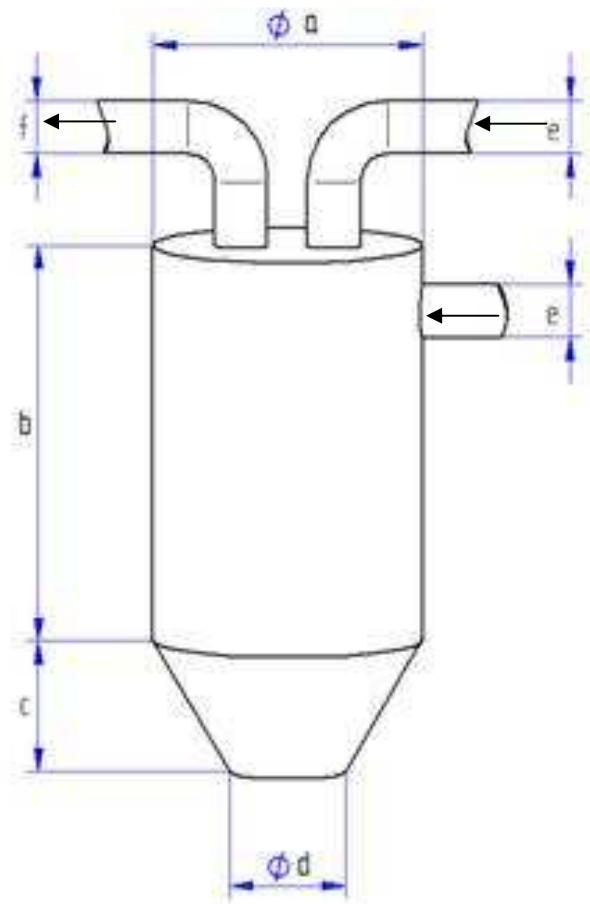


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| Process                           |  |
|-----------------------------------|--|
| Maximum positive pressure         |  |
| Maximum vacuum                    |  |
| Maximum process temperature       |  |
| Ambient temperature               |  |
|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

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

| Enclosure       |   |
|-----------------|---|
| Tag/I.D. Number |   |
| Manufacturer    |   |
| Model Number    |   |
| a               | Outer diameter                                |
| b               | Cylindrical Height                            |
| c               | Hopper-height                                 |
| d               | Hopper discharge-diameter                     |
| e               | Inlet diameter                                |
|                 | Distribution baffle <i>provide sketch</i>     |
|                 | Tangential inlet <input type="checkbox"/>     |
|                 | Axial inlet <input type="checkbox"/>          |
|                 | Mechanical conveying <input type="checkbox"/> |
| f               | 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:

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