



Explosion Protection Application Worksheet

Rectangular Dust Collector w/ Vertical Filters

Project I.D./ RFQ #: _____
 Quote Due Date: _____
 Sold to: _____
 Installed at: _____
 Street Address: _____
 City, State, Country: _____

Contact Info
 Name: _____ Company: _____
 Phone/Email: _____

Enclosure Protection Type

Suppression: Standard SBC Food Grade SBC
 Venting: Free Flameless
 Vent Ducting If yes, Length: _____
 Other: Containment _____

Approvals

Approvals (if any): FM ATEX Other _____
 Hazardous Area: Yes Classification _____
 Special requirements: Yes Explain: _____

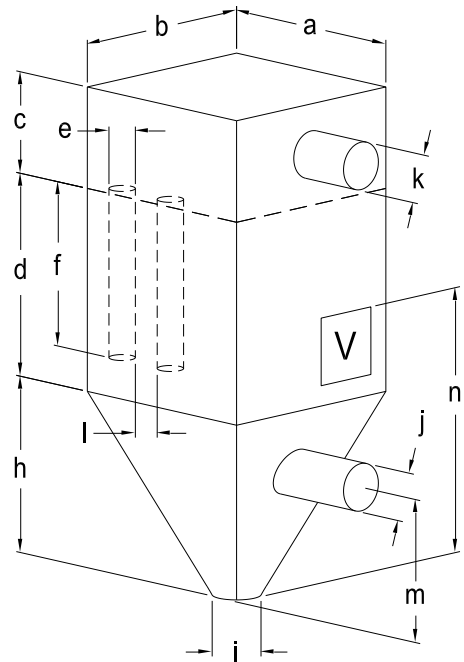
Isolation Protection Requirements

Type _____ Size _____ Protection _____
 Type _____ Size _____ Protection _____
 Type _____ Size _____ Protection _____
 Type _____ Size _____ Protection _____

| Process | | |
|-------------------------------------|---------|----------|
| Operating Pressure | Min | Max |
| Process temperature | Min | Max |
| Ambient temperature | Min | Max |
| Airflow | | |
| Pred (Enclosure Strength) | | |
| Pstat (if vents provided by others) | | |
| Enclosure location | Indoors | outdoors |

| Combustible Material | | | |
|---|---------------------------------------|-------------------------------------|-------------|
| Hazard Name | | | |
| Hazard Type (if appl.) | <input type="checkbox"/> Organic dust | <input type="checkbox"/> Metal Dust | |
| | <input type="checkbox"/> Other | _____ | |
| KSt / Su | | barg*m/s | cm/s for Su |
| Pmax | | barg | |
| Hazard data source (i.e. NFPA, test report) | | | |

| Enclosure | | |
|-----------------|---------------------------|---------|
| Tag/I.D. Number | | |
| Manufacturer | | |
| Model Number | | |
| a | Width | |
| b | Length | |
| c | Clean-straight wall | |
| d | Dirty-straight wall | |
| e | Filters-diameter | |
| f | Filters-length | |
| g | Filters-quantity | |
| h | Hopper-height | |
| | Hopper Qty | |
| i | Hopper discharge | |
| j | Inlet diameter | |
| k | Exhaust diameter | |
| L | Distance between filters | |
| m | Inlet centerline location | |
| n | Vent elevation | Min Max |



If internal baffle/cone/deflector exist, provide dimensioned sketch or drawing

Comments: