



# Vent Sizing Worksheet Generic, Round

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<b>Company</b> _____	<b>Contact</b> _____
<b>Address</b> _____	<b>Phone</b> _____
_____	<b>Fax</b> _____
<b>Project #</b> _____	<b>e-mail</b> _____

**Description:** \_\_\_\_\_

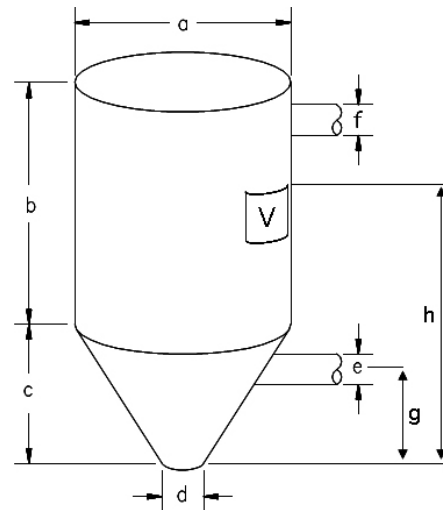
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\_\_\_\_\_

Process	
Maximum positive pressure	
Maximum vacuum	
Maximum process temperature	
Ambient temperature	
Airflow	
Reduced Explosion Pressure ( $P_{red}$ )	
Enclosure location	<input type="checkbox"/> indoors <input type="checkbox"/> outdoors

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

Enclosure		
Application		
Tag/I.D. Number		
Manufacturer		
Model Number		
a	Major diameter	
b	Straight wall	
c	Hopper-height	
d	Hopper discharge-diameter	
e	Inlet diameter	
	Distribution baffle	<i>provide sketch</i>
f	Exhaust diameter	
g	Inlet center line location	
h	Vent elevation	min.      max.



- Explosion Venting** - Control the Explosion Pressure.  
Relieves explosion overpressure within process enclosure before destructive levels of pressure are reached.
- Flameless Venting** - Extinguishes the flame from a vented explosion, where it could ignite secondary explosions or endanger personnel. Can Be Used When Vent Discharge Ducts Are Not Possible or Economical.

Explosion Vent			
Preferred Vent Model		Alternate Vent	
Preferred $P_{Stat}$		Alternate $P_{Stat}$	
Preferred Size		Alternate Size	
Preferred Quantity			
Explosion Vent Discharge Duct (If Applicable)			
Overall Length			
Number of Elbows			
Weather Cover	<input type="checkbox"/> yes <input type="checkbox"/> no		
Comments			