



No. 22- Afarand St.-Sattarkhan St.- Tehran-
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 Email: info@APZSharif.com
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IRRUP SAFETY SYSTEMS

APZ-SHARIF INC.

Explosion vent data sheet

Shape (Square, Rectangular, Circular)		
Nominal Size		
Sanitary/Aseptic application? (YES / NO)		
Bursting Pressure (Pstat)		
Temperature at Bursting Pressure (Coincident Burst Temp)		
Acceptable vent materials (304SS, 316SS, other)		
Flange Gasket Material (YES / NO) (EPDM, Silicone, Ceramic etc.)		
Insulation Height	Insulation Material	
Frame Required? (YES / NO)		
Frame Material (304SS, 316SS, other)		

ACCESSORIES

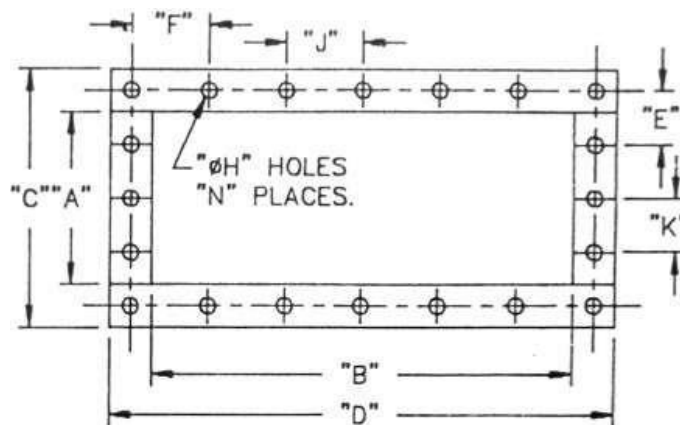
Burst Sensor Required? (Y/ N Quantity)		
Burst Sensor Installation Zone	Certification	
Insulation Height	Insulation Material	

PROCESS / SERVICE CONDITIONS

Normal Operating Pressure	Normal Operating Temp	
Max Operating Pressure	Max Operating Temperature	
Vacuum Conditions? (YES / NO)	Maximum Vacuum Amount	
Pressure pulsations / Cycling: Give details		

DIMENSIONS OF EXPLOSION VENT AND FRAME

A:
B:
C:
D:
E:
F:
H:
J:
K:
N:





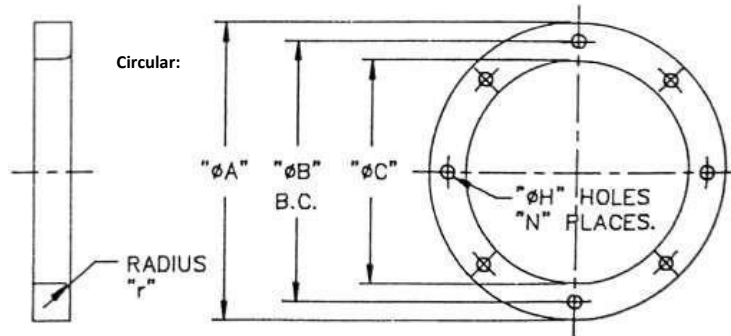
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A:
B:
C:
H:
N:
r:



Explosion vent data sheet (data sheet for calculations):

Please complete in full for IRRUP to be able to complete the calculation

DUST / GAS CHARACTERISTICS

Type / Name of Dust, Gas, or Hybrid	
Kst _{max} (dust) or Kg _{max} (gas) or K _{max} (hybrid)	bar.m/sec
Product Explosion Overpressure (Pmax)	barg
Median Particle Size of Product (M)	micrometers

DESIGN CONDITIONS OF VESSEL

Vessel Type (dust collector, silo, cyclone, etc.)		
Volume		m ³
Design Pressure	Design Temperature	barg °C
Vessel Location (Indoors / Outdoors)		
Required reduced explosion pressure (Pred)		barg
How much overpressure is allowed after the explosion?		barg
Will the explosion vent to atmosphere and a safe area? (YES / NO)		
Vent pipe length, if venting to safe area via duct (L)		m



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The schematic and dimensions of the enclosure that will be protected by the venting device:

