FirePro. Reinventing Fire Suppression

GENERAL APPLICATION

2/09/2020
Rev: 21.4

CLIENT NAME Sample Calculation

Risk Description Sample

Constructed from Sample

☑ Class A ☑ Class B ☑ Class E ☐ Class D ☐ Class F

	Length		Width		Height		Not Used	
GROSS DIMENSIONS	4.00	x	3.00	x	2.50	=		m³

Actual Leakage Measurement - m² = - m²

Leakage Allowance without additional Agent = 0.10 m²

GROSS Volume used for Calculation = 30.00 m³

PRIMARY AGENT DISCHARGE = 3,276 g

Secondary Agent Discharge = Not Required

Model	L2 (mm)	L3 (mm)	Stream (mm)	Agent Qty	Concentration Primary	Concentration Secondary	Primary Quantity	Secondary Quantity
FP-0020	0	100	300	20	-	-		
FP-0040	0	100	1200	40	-	-		
FP-0080	0	100	2000	80	-	-		
FP-0100	0	100	1000	100	-	-		
FP-0200	100	300	1500	200	-	-		
FP-0500	200	500	2500	500	-	-		
FP-1200	200	1200	3500	1,200	-	-		
FP-2000	200	1200	3500	2,000	4,000	-	2	
FP-3000	700	1700	4000	3,000	-	-		
FP-5700	800	1800	8000	5,700	-	-		

Total Concentration	4,000	-
Required Concentration	3,276	-
% Required Concentration	122%	

☑ Design Calculation has been Confirmed

☑ FirePro Units have suitable STREAM length for Risk Area Coverage

☑ Leakage compensation made in Primary Discharge

☐ Additional HOLD time Required for the risk

Aust. Std Design Notes

Pre-Engineered Design Calculation

CALCULATION OF VOLUME : Calculation is based on Gross Volume with NO deductions for any Objects that occupy volume within the protected space. This category covers fixed condensed aerosol extinguishing system units intended for total flooding applications. AS 4487 and AS5062.

Minimum Extinguishing Factor (mef) 84 X 1.3 = 109.2

- L2 is the thermal clearance required where the temperature of the discharge is less than 200° C
- L3 is the thermal clearance required where the temperature of the discharge is less than 75° C

APPROVED

Prepared By:	Company
Test	FSE