

AS 4487 General Application

CERTIFICATION AS 4487 General Application

ROOM NAME & No. Stradler Crane

Risk Area Deisel Unit

Constructed from Steel

Classes of Fire Class A Class B Class E Class F

STREAM (m) 0.6 < SL < 2.0

GROSS DIMENSIONS (All in Meters)
 Length: 3.80 x Width: 2.20 x Height: 1.59
 Enter **VOLUME** = Not Used - m3

Actual Leakage Meaurement = - m2

Leakage Allowance without additional Agent = 0.03 m2

GROSS Volume used for Calculation = 13.29 m3

PRIMARY AGENT DISCHARGE 1,451.53 g

Secondary Agent Discharge Not Required

Model	L2 (mm)	L3 (mm)	Stream Length (mm)	Agent Qty	Concentration		Primary Quantity	Secondary Quantity
					Primary	Secondary		
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	2,000	-	1	-
FP-3000	700	1700	4000	3,000	-	-	-	-
FP-5700	800	1800	8000	5,700	-	-	-	-

Total Concentration	2,000	-
Required Concentration	1,452	-
% Required Concentration	138%	0%

- Design Calculation has been Confirmed
- FirePro Units have suitable STREAM length for Risk Area Coverage
- Leakage compensation made in Primary Discharge

Aust.Std Design Notes

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.

Minimum Extinguishing Factors (mef) 84 X 1.3 = 109 g/m3

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

APPROVED

Prepared By:

Phil

Company

FSE

AS 4487 General Application

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ROOM NAME & No. Stradler Crane

Risk Area Electrical Control Room

Constructed from Steel

Classes of Fire Class A Class B Class E Class F

STREAM (m) 0.6 < SL < 2.0

GROSS DIMENSIONS (All in Meters)
 Length: 4.23 x Width: 3.10 x Height: 1.58
 Enter **VOLUME** = Not Used - m3

Actual Leakage Measurement = - m2

Leakage Allowance without additional Agent = 0.05 m2

GROSS Volume used for Calculation = 20.65 m3

PRIMARY AGENT DISCHARGE 2,255.30 g

Secondary Agent Discharge Not Required

Model	L2 (mm)	L3 (mm)	Stream Length (mm)	Agent Qty	Concentration		Primary Quantity	Secondary Quantity
					Primary	Secondary		
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	-	-	-	-
FP-3000	700	1700	4000	3,000	3,000	-	1	-
FP-5700	800	1800	8000	5,700	-	-	-	-

Total Concentration	3,000	-
Required Concentration	2,255	-
% Required Concentration	133%	0%

- Design Calculation has been Confirmed
- FirePro Units have suitable STREAM length for Risk Area Coverage
- Leakage compensation made in Primary Discharge

Aust.Std Design Notes

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.

Minimum Extinguishing Factors (mef) **84 X 1.3 = 109 g/m3**

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

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