

# AS 4487 General Application

**CERTIFICATION** AS 4487 General Application

**ROOM NAME & No.** Kaibia Telephone Exchange Equipment room

**Risk Area** Electrical equipment

**Constructed from** Gyprock solid walls & ceiling

**Classes of Fire**  Class A  Class B  Class E  Class F

**STREAM (m)** 2.0 < SL < 4.0

**GROSS DIMENSIONS** (All in Meters)  
 Length: 6.50 x Width: 12.00 x Height: 3.00  
 Enter VOLUME = Not Used - m3  
 Actual Leakage Measurement = - m2  
 Leakage Allowance without additional Agent = 0.59 m2  
 GROSS Volume used for Calculation = 234.00 m3  
 PRIMARY AGENT DISCHARGE 25,552.80 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	22,800	-	4	-

Total Concentration	25,800	-
Required Concentration	25,553	-
% Required Concentration	101%	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:

RJM

Company

FSE

# AS 4487 General Application

**CERTIFICATION** AS 4487 General Application

**ROOM NAME & No.** Kaibia Telephone Exchange Power Battery room

**Risk Area** Electrical equipment

**Constructed from** Gyprock solid walls & ceiling

**Classes of Fire**  Class A  Class B  Class E  Class F

**STREAM (m)** 2.0 < SL < 4.0

**GROSS DIMENSIONS** (All in Meters)  
 Length: 2.50 x Width: 6.50 x Height: 3.00  
 Enter **VOLUME** = Not Used - m3  
 Actual Leakage Measurement = - m2  
 Leakage Allowance without additional Agent = 0.12 m2  
 GROSS Volume used for Calculation = 48.75 m3  
**PRIMARY AGENT DISCHARGE** 5,323.50 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	6,000	-	2	-
FP-5700	800	1800	8000	5,700	-	-	-	-

Total Concentration	6,000	-
Required Concentration	5,324	-
% Required Concentration	113%	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:

RJM

Company

FSE

# AS 4487 General Application

**CERTIFICATION** AS 4487 General Application

**ROOM NAME & No.** Kaibia Telephone Exchange TTV Room

**Risk Area** Electrical equipment

**Constructed from** Gyprock solid walls & ceiling

**Classes of Fire**  Class A  Class B  Class E  Class F

**STREAM (m)** 2.0 < SL < 4.0

**GROSS DIMENSIONS** (All in Meters)  
 Length: 4.40 x Width: 6.50 x Height: 3.00  
 Enter VOLUME = - m3 (Not Used)  
 Actual Leakage Measurement = - m2  
 Leakage Allowance without additional Agent = 0.21 m2  
 GROSS Volume used for Calculation = 85.80 m3  
 PRIMARY AGENT DISCHARGE: 9,369.36 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	-	-	-	-
FP-5700	800	1800	8000	5,700	11,400	-	2	-

Total Concentration	11,400	-
Required Concentration	9,369	-
% Required Concentration	122%	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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