

CLIENT NAME

Risk Description

Constructed from

Class A
 Class B
 Class E
 Class D
 Class F

GROSS DIMENSIONS

Length: x Width: x Height: = m³

Actual Leakage Measurement - m² = m²

Leakage Allowance without additional Agent = m²

GROSS Volume used for Calculation = m³

PRIMARY AGENT DISCHARGE = g

Secondary Agent Discharge = g

| Model | L2 (mm) | L3 (mm) | Stream (mm) | Agent Qty | Concentration | | Primary Quantity | Secondary Quantity |
|---------|---------|---------|-------------|-----------|---------------|-----------|------------------|--------------------|
| | | | | | Primary | Secondary | | |
| FP-0020 | 0 | 0 | 1000 | 20 | - | - | | |
| FP-0040 | 0 | 0 | 1000 | 40 | - | - | | |
| FP-0080 | 0 | 0 | 1000 | 80 | - | - | | |
| FP-0100 | 0 | 200 | 1000 | 100 | - | - | | |
| FP-0200 | 0 | 300 | 2000 | 200 | - | - | | |
| FP-0500 | 100 | 500 | 2000 | 500 | - | - | | |
| FP-1200 | 0 | 1500 | 3500 | 1,200 | - | - | | |
| FP-2000 | 0 | 1500 | 3500 | 2,000 | - | - | | |
| FP-3000 | 600 | 2000 | 3500 | 3,000 | 6,000 | - | 2 | |
| FP-5700 | 600 | 2000 | 8400 | 5,700 | - | - | | |

| | | |
|--------------------------|-------|---|
| Total Concentration | 6,000 | - |
| Required Concentration | 5,600 | - |
| % Required Concentration | 107% | |

- 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

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GROSS Volume used for Calculation = m³

PRIMARY AGENT DISCHARGE = g

Secondary Agent Discharge = g

| Model | L2 (mm) | L3 (mm) | Stream (mm) | Agent Qty | Concentration | | Primary Quantity | Secondary Quantity |
|---------|---------|---------|-------------|-----------|---------------|-----------|------------------|--------------------|
| | | | | | Primary | Secondary | | |
| FP-0020 | 0 | 0 | 1000 | 20 | - | - | | |
| FP-0040 | 0 | 0 | 1000 | 40 | - | - | | |
| FP-0080 | 0 | 0 | 1000 | 80 | - | - | | |
| FP-0100 | 0 | 200 | 1000 | 100 | - | - | | |
| FP-0200 | 0 | 300 | 2000 | 200 | 400 | - | 2 | |
| FP-0500 | 100 | 500 | 2000 | 500 | - | - | | |
| FP-1200 | 0 | 1500 | 3500 | 1,200 | - | - | | |
| FP-2000 | 0 | 1500 | 3500 | 2,000 | - | - | | |
| FP-3000 | 600 | 2000 | 3500 | 3,000 | - | - | | |
| FP-5700 | 600 | 2000 | 8400 | 5,700 | - | - | | |

| | | |
|--------------------------|------|---|
| Total Concentration | 400 | - |
| Required Concentration | 346 | - |
| % Required Concentration | 115% | |

- Design Calculation has been Confirmed
- FirePro Units have suitable STREAM length for Risk Area Coverage
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Aust. Std Design Notes

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- L2 is the thermal clearance required where the temperature of the discharge is less than 200° C
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PRIMARY AGENT DISCHARGE = g

Secondary Agent Discharge = g

| Model | L2 (mm) | L3 (mm) | Stream (mm) | Agent Qty | Concentration | | Primary Quantity | Secondary Quantity |
|---------|---------|---------|-------------|-----------|---------------|-----------|------------------|--------------------|
| | | | | | Primary | Secondary | | |
| FP-0020 | 0 | 0 | 1000 | 20 | - | - | | |
| FP-0040 | 0 | 0 | 1000 | 40 | - | - | | |
| FP-0080 | 0 | 0 | 1000 | 80 | - | - | | |
| FP-0100 | 0 | 200 | 1000 | 100 | 100 | - | 1 | |
| FP-0200 | 0 | 300 | 2000 | 200 | - | - | | |
| FP-0500 | 100 | 500 | 2000 | 500 | 500 | - | 1 | |
| FP-1200 | 0 | 1500 | 3500 | 1,200 | - | - | | |
| FP-2000 | 0 | 1500 | 3500 | 2,000 | - | - | | |
| FP-3000 | 600 | 2000 | 3500 | 3,000 | - | - | | |
| FP-5700 | 600 | 2000 | 8400 | 5,700 | - | - | | |

| | | |
|--------------------------|------|---|
| Total Concentration | 600 | - |
| Required Concentration | 598 | - |
| % Required Concentration | 100% | |

- Design Calculation has been Confirmed
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