

CERTIFICATION AMSA Marine Design Calc. - Fire Class B

Vessel Name McEwen

Risk Area Engine Room

Hull Constructed From Steel

Classes of Fire Class A Class B Class E Class F

VESSEL Length 15.0 Meters

STREAM (m) 2.0 < SL < 4.0

GROSS DIMENSIONS (All in Meters)

Length: 4.30 x Width: 5.00 x Height: 2.00

Enter VOLUME = Not Used = - m³

Actual Leakage Measurement = - m²

Leakage Allowance without additional Agent = 0.07 m²

PRIMARY AGENT DISCHARGE = 43.00 m³

PRIMARY AGENT DISCHARGE 3,526.00 g

Secondary Agent Discharge Not Required

Model	L2 (mm)	L3 (mm)	Stream Length (mm)	Effective 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	4,000	-	2	-
FP-3000	700	1700	4000	3,000	-	-	-	-
FP-5700	800	1800	8000	5,700	-	-	-	-

Total Concentration	4,000	-
Required Concentration	3,526	-
% Required Concentration	113%	

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

APPROVED

Prepared By: _____ Company: _____

PM

FSE

Marine Design Notes - Vessels to 24 m

CALCULATION OF VOLUME : Volume is Gross Volume with NO deductions for Engine Machinery. The calculation based on the Maritime Coast Guard Agency(UK) MS22/3/910. This can only be used for vessels less than 24 metres Registered Length.

Minimum Extinguishing Factors (mef) 82 X 1 = 82 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