FLAME
AVIATION

Cabin specifications	S9000 Neptune™ submarine fire + smoke trainer (two cabins) • Size: (LxWxH): 9,0m x 5,0m x 2,6m (30 x 16ft x 8.5ft) • Weight: 4,700 kg + 2,600 kg (11,000 lbs + 6,000 lbs) • Power: 400V(380V)/32A Cabin insulation • Mineral wool (MW) (standard) ○ Polyurethane foam (PU) / Polyisocyanurate (PIR) (optional) Wall: MW 0.57 (W/m^{2}K), PIR 0.20 (W/m^{2}K) Roof: MW 0.36 (W/m^{2}K), PU 0.20 (W/m^{2}K) Floor: MW 0.55 (W/m^{2}K), PU 0.20 (W/m^{2}K)
Functionalities	• Electrical fire + smoke + short circuit effects • Galley fire + smoke + functional switch • Lithium-ion battery fire + smoke + glowing spot • Stowage compartment fire + smoke • Lavatory fire simulation + smoke • Cabin smoke functionality • Selectable fire training scenarios (manual/automatic) • Programmable lesson plans (8 lesson plans) • Adjustable interior lighting (0% - 100%) • Adjustable training exercise timing • Adjustable fire training difficulty (Level 1 – 5) • Adjustable fire re-light timers • Cabin (under water) sound • Burning smell functionality
Equipment	• One 10.2" portable iPad Instructor Operating Station (IOS) • One 7" wall-mounted Instructor Operating Station (IOS) • ARS1200 Automatic fire extinguisher refilling system • Stainless steel red training fire extinguishers (three included) • On-board air compressor with automatic draining • On-board smoke generator unit • Water filter and decalcifier unit • Air conditioning provisions ○ Air conditioning unit
Safety systems	• Automatically regulated air extraction system • Automatic gas-leak test • Dräger gas detection system • Four infra-red gas detection transmitters • Five maintenance-free dry-burner units with pilot burner • Fire control sensors • Over-temperature control system • Airflow monitoring system • Emergency stop system • Evacuation and orientation lighting • Panic escape handles on all doors • Optical and acoustic alarm

Flame Aviation B.V. – Mees Toxopeusstraat 3a – 2315 WD Leiden - The Netherlands - Tel: +31 (0)630 121 679
www.flame-aviation.com - chamber of commerce 62944436 - VAT No. NL855024951.B01

Page 1 of 2

	• Anti-slippery safety floor
System control functionalities	• Airflow fault indication • Smoke fluid low indication • Gas low indication • Gas empty indication • Pilot burner fault indication • Main burner fault indication • Water supply fault indication • Refilling station fault indication • Leak-test ok/fault indication • Decalcifier fault indication • Routine maintenance indication

© Flame Aviation B.V. 2020 - Specification is reserved for changes

• Standard
o Optional