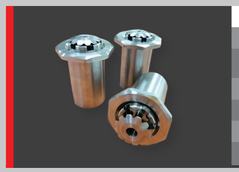
Helicopter Facility Foam Firefighting Appliance

On or after 1 Jan. 2020, those items will be mandatory for fire safety system as required by the International code for fire safety systems (FSS Code) and SOLAS Ch.II-2.
Helicopter landing area and Helideck shall carry as follows ;

Deck integrated foam nozzles

The nozzles are foam nozzles recessed into or edge mounted on the helideck.



Description	Specification
Model	POP-UP Nozzle
Material	Stainless Steel 316, Al-Bronze, Titanium, Bronze & available for other material
K-Factor	62 ~ 115
Water Pressure Range	4 ~ 19 bar
Design pressure	20 bar
Flow tolerance	Nominal value ±5%

Foam Making Branchpipe

NFA foam making branchpipe is a portable stainless steel branchpipe, design for an optimum combination of foaming and jet range. The type NFA-S has a built-in foam concentrate inductor.

Description	Specification			
Model	NFA250	NFA250S	NFA400	NFA400S
Type	without self inductor	with self inductor	without self inductor	with self inductor
Material	Stainless steel & Brass			
Nominal pressure	3 bar	6 bar	3 bar	6 bar
Discharge length/ still air	21 m	23 m	25 m	26m
foam admixture	N/A	3% & 6%	N/A	3% & 6%

Hose Reel Foam Station

It's a hose reel fitted with a foam making branchpipe and non-collapsible hose, together with fixed foam proportioner and fixed concentrate tank, mounted on a common frame.

Description	Specification	
Model	FHR-250	FHR-400
Material	Stainless steel, Bronze & Brass	
Discharge pressure	3 ~ 6 bar	
Discharge length/still air	21 ~ 25 m	
Discharge capacity	250 L/Min at 3 bar	400 L/Min at 3 bar
Design pressure	16 bar	

Monitor Foam Station

The monitor foam station is fitted with a foam monitor, together with fixed foam proportioner, and fixed foam tank, mounted on a common fame. The foam tank meeting specific requirements are also provided depending on the client's requirements.

Description	Specification
Model	MFS-80
Material	Stainless steel, Bronze & Brass
Operating	Manual/ Self Oscillating Device / Electric
Design pressure	16 bar
Discharge capacity	over 500 L/min

NAVUTEC

Main Office 91-6, Sandan-3Ro Jeonggwan-Eup Gijang-Gun Busan Korea
2nd Factory 91-20, Sandan-3ro Jeonggwan-Eup Gijang-Gun Busan Korea
Miryang Factory 847, Chunhwa-ri, Bubuk-myeon, Miryang-si, Gyeongsangnam-do, Republic of Korea
R&D CENTER 110-204 T-Plex 41, Yutongdanji 1-ro, Gangseo-gu, Busan Korea

Phone +82 51 728 5055~5058 Telfax +82 51 728 5054 E-Mail sales@navutec.com Web www.navutec.com

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HELIDECK FIRE FIGHTING SYSTEM

Navutec offer equipment that meets customer's expectation and requirements, end-users needs, relevant rule & regulations related to quality, availability and operational reliability.

We are always providing the latest firefighting systems for Helideck and personnel protection in accordance with CAP 437, SOLAS and ICAO Annex 14.

HELIDECK FIRE FIGHTING SYSTEM

DECK INTEGRATED FIRE FIGHTING SYSTEM (DIFFS)

Skids, designed and engineered to suit allapplications.

DIFFS is turnkey solution for extinguishing fires which can occur on helipads, helidecks, or in a concrete floor for aircraft hangar applications.
The systems with deck integrated pop-up nozzles, foam skids and activation panels can be delivered according to the needs of the client.

FIXED MONITOR SYSTEM (FMS)

The conventional fire fighting system for helideck consists of:

- Foam monitors, which can be remote or self-controlled
- Foam skid unit
- Foam making branchpipes

DUAL AGENT UNIT

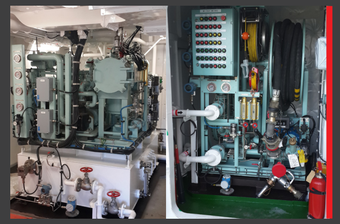
Dual Agent Units are manually operated units, discharging dry chemical powder and water/foam. These Units are extremely efficient for protection of areas containing hydrocarbons or alcohols, such as helideck and process areas.

- One-man operation
- Skid-mounted on a structural steel skid
- Completely self-contained
- Both dry chemical and AFFF nozzles are equipped with ball shut off for individual or simultaneous operation

HELI RE-FUELING UNIT

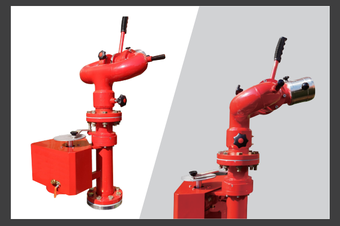
It has to be equipped with Heli-decking-facilities. Among its facilities, Heli-Refueling System is a Device that supplies fuel to the helicopter in case of emergencies.
This Heli-Refueling System consists of Tank Skid & Pump Unit and Dispensing Unit. It has to be based on SOLAS(Chap. II -2/Part G-Reg.18) and CAP 437(7th).
The using of Heli-Refueling System in offshore, it has a very strict Rule and Code Compliance.

DECK INTEGRATED FIRE FIGHTING SYSTEM (DIFFS)



HELI RE-FUELING UNIT

DUAL AGENT UNIT



FIXED MONITOR SYSTEM (FMS)

FOAM SKID

FIRE HYDRNAT

FIRE EXTINGUISHERS

RESCUE EQUIPMENT

NAVUTEC