



Storing hazardous materials safely

Safe flammable storage aboard cruise ships



Updated coast guard marine safety center guideline for the use of flammable liquid & gas storage cabinets

SOLAS-05

In recent years ocean cruises are becoming increasingly popular. More and more vessels are being introduced and the sizes and passenger capacities are continuously on the rise.

On these floating cities greater quantities of flammable liquids and aerosols become necessary (spa areas and saunas, workshops etc.)

The central paint locker or category 14 areas are no longer sufficient and practical for daily used quantities and many unsafe local storage areas are springing up throughout the vessels.

Today the incorrect storage of flammable liquids is one of the Top 10 violations found during regular inspections on cruise ships.

The updated coast guard marine safety center guideline for the use of flammable liquid & gas storage cabinets describe how to safely store flammable liquids in areas other than category 14.

Excerpt from the new MSC guideline:

Spaces other than category 14 spaces do not typically have the protections (for example: classified electrical fittings, ventilation and insulation) required for storing flammable liquids. However, the practical utility of certain spaces may necessitate the storage of a small quantity of ready-use flammable liquid or gas. This would include materials used frequently during operation where it is impractical for crew to travel to a centralized category 14 store room each time the materials are needed.

In spaces where a limited supply of flammable liquids or gases is necessary for the practical utility of the space, it may be permissible to install an approved flammable liquid cabinet to stow small quantities of items for daily use.

Cabinets manufactured and approved to EN 14470-1, Type 60 or Type 90 are acceptable. Cabinets meeting NFPA 30 or UL 1275, only provide protection for 10 minutes and should only be used in category 11, 12 or 14 spaces.



Further information about the MSC guideline can be found on <https://www.dco.uscg.mil> or have a closer look at the official publication **MSC Guidelines for the Use of Flammable Liquid & Gas Storage Cabinets – SOLAS-05:**



Conclusion

Daily used quantites can now be stored outside cat 11, 12 or 14 in fire rated safety storage cabinets according to EN 14470-1 without violating safety protocols



TODAY'S PRACTICES

- **Storage of flammable liquids** in category 11, 12 or 14 areas
- **Safety storage cabinets** meeting NFPA 30 Fire protection 10 minutes

THE TASK

- **Safe storage** of flammable liquids in areas other than category 14

THE SOLUTION

- **Fire rated safety storage cabinets** manufactured and approved to **EN 14470-1** and **NFPA 30** (tall cabinets)
- **Fire protection 90 minutes** (according to EN 14470-1)
- **Fully compliant** to the new MSC guideline



Fire rated safety storage cabinets manufactured and approved to EN 14470-1 and NFPA 30*

Highest safety level – easy handling



 **Made**
 **in**
 **Germany**



1

90 Minutes fire resistance

to safely evacuate the passengers from the area and commence fire-fighting proceedings before the fire gets out of control

2

Different interior equipment options

make it possible to choose for each individual application on board the suitable safety storage cabinet

3

Protecting seals

avoid the exposure of vapors and protect contents from ignition sources

4

Advanced ventilation system

ensures complete, uniform ventilation of the cabinet interior

5

Secure cylinder lock

prevents unauthorized use

6

Modern design

fits perfectly into the surrounding area

* Q-LINE safety storage cabinets

asecos - your partner for safety

asecos take great pride in assisting to create new safety standards and ultimately reducing the number and severity of accidents, through the use of approved asecos products.

The best possible protection of humankind and the environment is our number one priority.

Driven by this desire, we developed the first cabinet with a certified 90-minute fire resistance for the storage of flammable liquids in 1994. What was a technical revolution in the industry at that time has now become the technical standard across Europe and is gaining more and more acceptance overseas.

Meeting minimum legal requirements, which were set many years ago, is just not good enough for us. Our mission is to create awareness about the necessity of upgrading the level of safety and make the cabinets fit for the challenges of the 21st century workplace.

THE WORLD THAT MOVES US REVOLVES AROUND STORING HAZARDOUS MATERIALS.

Proven safety you can rely on

The quality and safety of our products are recognized and certified by all leading institutes.



All fire resistant cabinets are type-tested according to **EN-14470-1**



GS certification (document EK5/AK4 09-10, GPSG) 50.000 wear-free openings and closings. Test specifications: All products with the GS mark correspond to the requirements of the regulations of the Equipment and Product Safety Act (§7 para. 1) regarding the safety and health of the workforce.



Conformity in accordance with the requirements of **EN 16121 and 16122** (EN 16121:2013+A1:2017)



Furthermore the Q-LINE cabinets meet the requirements of the **NFPA Code 30, NFPA 1 Fire Code, OSHA**



Selected models available with **additional FM 6050 and UL 1275 approval**



Fire rated safety storage cabinets according to the new MSC guidelines for the use of flammable liquid & gas storage cabinets

Safe storage of flammable liquids in spaces other than category 14



Size
S

Underbench cabinet UB-T-90
Model UB90.060.059.T

in light grey (RAL 7035), with bottom collecting sump and perforated insert (sheet steel, plastic laminated), castors with plinth (H 1,18 inch/30 mm) optional



Size
M

Underbench cabinet UB-T-90
Model UB90.080.110.060.2T

in light grey (RAL 7035), with shelf, bottom collecting sump and perforated insert (sheet steel, plastic laminated), castors with plinth (H 1,18 inch/30 mm) optional

Specifications

Model No.		Size S UB90.060.059.T	Size M UB90.080.110.060.2T
Order No.	incl. interior equipment	30481-001-33763	36418-001-33772
Fire resistance (EN 14470-1)	Minutes	90	90
Capacity	Gal / L	8 / 30	20 / 76
Dimensions	Ext. height (inch/mm)	23.62 / 600	31.5 / 800
	Int. height (inch/mm)	19.76 / 502	27.64 / 702
	Ext. width (inch/mm)	23.35 / 593	43.39 / 1102
	Int. width (inch/mm)	18.5 / 470	38.54 / 979
	Ext. depth (inch/mm)	22.6 / 574	23.62 / 600
	Int. depth (inch/mm)	17.8 / 452	18.98 / 482
Leakproof sump	Capacity (Gal / L)	3 / 12	7 / 25,5
Perforated insert	No.	1	1
Height adjustable shelves	No.	-	1
Self-closing doors in the event of a fire	No.	1	2
Cabinet weight (empty)	lbs / kg	262.35 / 120	514 / 233
Compliance		EN 14470-1 (Type 90) / EN 16121/16122 / ProdSG / CE	EN 14470-1 (Type 90) / EN 16121/16122 / CE
Approvals		EN 14470-1 (Type 90) / GS-Mark	EN 14470-1 (Type 90)



Safety storage cabinet Q-CLASSIC-90
Model Q90.195.060

with doors in warning yellow (RAL 1004), 3 shelves,
perforated insert and bottom collecting sump (sheet steel
plastic laminated), base cover optional



Safety storage cabinet Q-CLASSIC-90
Model Q90.195.120

with doors in warning yellow (RAL 1004), 3 shelves,
perforated insert and bottom collecting sump (sheet steel
plastic laminated), base cover optional

Specifications

Model No.		Size L Q90.195.060	Size XL Q90.195.120
Order No.	incl. interior equipment	30072-040-33600	30001-040-33635
Fire resistance (EN 14470-1)	Minutes	90	90
Capacity	Gal / L	25 / 95	75 / 284
Dimensions	Ext. height (inch/mm)	76.89 / 1953	76.89 / 1953
	Int. height (inch/mm)	64.84 / 1647	64.84 / 1647
	Ext. width (inch/mm)	23.58 / 599	46.97 / 1193
	Int. width (inch/mm)	17.72 / 450	41.34 / 1050
	Ext. depth (inch/mm)	24.21 / 615	24.21 / 615
	Int. depth (inch/mm)	20.55 / 522	20.55 / 522
Leakproof sump	Capacity (Gal / L)	6 / 22	9 / 33
Perforated insert	No.	1	1
Height adjustable shelves	No.	3	3
Self-closing doors in the event of a fire	No.	1	2
Cabinet weight (empty)	lbs / kg	585 / 265	935 / 424
Compliance		EN 14470-1 (Type 90) / EN 16121/16122 / ProdSG / CE / NFPA Code 1 and 30 / OSHA	EN 14470-1 (Type 90) / EN 16121/16122 / ProdSG / CE / NFPA Code 1 and 30 / OSHA
Approvals		EN 14470-1 (Type 90) / GS-Mark	EN 14470-1 (Type 90) / GS-Mark

Contact us for further information and to discuss your requirements in detail

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