



Safety and environmental protection

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 guidelines for the use of flammable liquid & gas storage cabinets** can be found on <https://homeport.uscg.mil> or contact us: info@asecos.com

Conclusion

Daily used quantities 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



Safety storage cabinet according to EN14470- 1 with closed doors (model: Q-CLASSIC-90)

- ▶ **Today's practices**
 - **Storage of flammable liquids** in category 11, 12 or 14 areas
 - **Safety storage cabinets** meeting NFPA 30 or UL 1275 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, FM and NFPA 30 (tall cabinets)
 - **Fire protection 90 minutes** (according to EN 14470-1)
 - **Fully compliant** to the new MSC guideline



Type- 90 underbench cabinet, optimal for storing small quantities of flammable liquids

Fire rated safety storage cabinets manufactured and approved to EN 14470-1, FM* 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

The name asecos stands for 'security' and 'ecology' – for safety and environmental protection in the handling and storage of hazardous materials. Since its establishment in 1994 the company, which is based in Gründau (in the German state of Hessen), has dedicated itself to the development and production of innovative products in this field. Today asecos is Europe's leading manufacturer of type-tested safety storage cabinets according to EN 14470-1 and is well known for its trend-setting developments in the field of the storage and handling of hazardous substances.

asecos always strives for the highest quality. That's why all the safety storage cabinets are produced at our headquarters in Germany. At the Gründau site motivated people invent and manufacture excellent products, which are widely distributed and used throughout the world.

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 (EN 14470-1, EN 14727, document EK5/AK4 09-10, GPSC) 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.



Furthermore the Q-LINE cabinets are approved and certified according to **FM** and meet the requirements of the **NFPA Code 30, NFPA 1 Fire Code, OSHA**



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



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 30 mm) optional



Underbench cabinet UB-T-90 model UB90.060.110.2T in light grey (RAL 7035), with bottom collecting sump and perforated insert (sheet steel, plastic laminated), castors with plinth (H 30 mm) optional

Specifications

Model No.		UB90.060.059.T	UB90.060.110.2T
Order No.	incl. interior equipment	30481-001-30485	30443-001-30447
Fire resistance (EN 14470-1)	Minutes	90	90
Capacity	Gal / L	5 / 19	10 / 38
Dimensions	Ext. height (inch/mm)	23.6 / 600	23.6 / 600
	Int. height (inch/mm)	19.8 / 502	19.8 / 502
	Ext. width (inch/mm)	23.4 / 593	43.4 / 1102
	Int. width (inch/mm)	17.7 / 450	38.5 / 979
	Ext. depth (inch/mm)	22.6 / 574	22.6 / 574
	Int. depth (inch/mm)	17.8 / 452	17.8 / 452
Leakproof sump	Capacity (Gal / L)	3 / 12	6.5 / 25
Perforated insert	No.	1	1
Height adjustable shelves	No.	-	-
Self-closing doors in the event of a fire	No.	1	2
Cabinet weight (empty)	lbs / kg	275 / 125	375 / 170
Compliance		EN 14470-1 (Type 90) / EN 14727 ProdSG / CE	
Approvals		EN 14470-1 (Type 90) / GS-Mark	



Safety storage cabinet Q-CLASSIC-90 model Q90.195.090 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.		Q90.195.090	Q90.195.120
Order No.	incl. interior equipment	30041-040-30043	30001-040-30003
Fire resistance (EN 14470-1)	Minutes	90	90
Capacity	Gal / L	50 / 189	75 / 284
Dimensions	Ext. height (inch/mm)	76.9 / 1953	76.9 / 1953
	Int. height (inch/mm)	64.8 / 1647	64.8 / 1647
	Ext. width (inch/mm)	35.2 / 893	47.0 / 1193
	Int. width (inch/mm)	29.5 / 750	41.3 / 1050
	Ext. depth (inch/mm)	24.6 / 615	24.6 / 615
	Int. depth (inch/mm)	20.5 / 522	20.5 / 522
Leakproof sump	Capacity (Gal / L)	6 / 23	9 / 33
Perforated insert	No.	1	1
Height adjustable shelves	No.	3	3
Self-closing doors in the event of a fire	No.	2	2
Cabinet weight (empty)	lbs / kg	683 / 310	926 / 420
Compliance		EN 14470-1 (Type 90) / EN 14727 ProdSG / CE / NFPA Code 1 and 30 / OSHA	
Approvals		EN 14470-1 (Type 90) / GS-Mark / FM	



www.asecos.com

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

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