Earthquake-proof cabinets for the storage of flammable liquids
No matter whether in an industrial, laboratory or trade setting — there is a ubiquitous need for flammable liquids that are used on a daily basis, and which must be stored correctly and safely.

To meet this demand, asecos offer special safety storage cabinets that are tested and constructed to EN 14470-1 as long-lasting, high-quality products.

In regions that are prone to earthquakes it is especially important that flammable liquids are stored safely and protected from shocks. In the event of a fire caused by an earthquake, the safety storage cabinet prevents the liquids stored inside from fuelling the fire.

Areas that are prone to earthquakes are divided into 5 earthquake risk zones: zone 0 (minor earthquakes) to zone 5 (very large earthquakes, which cause destruction over large areas).

The Q-SR-90 ShockResistant safety storage cabinet provides protection in two respects: certified to EN 14470-1 and GR-63-CORE-4, it meets the requirements of a 90 minute fire resistance as well as guaranteeing the highest degree of earthquake resistance for installation up to zone 4.

EN 14470-1
Tested in accordance with the provisions of EN 14470-1, the Q-SR-90 ShockResistant provides fire resistance of at least 90 minutes. In the event of a fire, this minimizes the danger arising from flammable liquids, thus providing the time needed for rescue and evacuation.

GR-63-CORE-4/ATIS-0.600.329,2008/ETS 300 019
If a product is to be certified for earthquake resistance to the highest safety standards, it must be tested for compliance with the relevant standards from the field of telecommunications. Why? Since communications must be guaranteed in the event of an earthquake, it is here that the strictest test conditions are laid down. The Q-SR-90 ShockResistant complies with provisions of GR-63-CORE-4 / ATIS-0.600.329,2008 / ETS 300 019 precisely and thus guarantees earthquake resistance for all risk zones. The basis for this testing is always the most severe earthquake that has ever been measured worldwide.
Safety storage cabinets for unrestricted storage of flammable hazardous materials in working areas in accordance with EN 14470-1

- **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1
- **Tested in accordance with** GR-63-CORE-4 (earthquake resistant installation in zone 4)
- **Excellent products with special manufacturer warranty**
- **Extended manufacturer warranty of up to ten years** in connection with the asecos PREMIUM Q tariff

Features of this model class

1. **One hand operation**
   - One-hand operation for double-door cabinets

2. **Earthquake approved locking system**
   - Doors are tightly locked after each closing operation. For opening, the doors must always be unlocked via the profile cylinder
   - Locking status indicator (red/green) signals the locking status of the cabinet

3. **Earthquake approved fixing system**
   - Integrated system for fixing the cabinet to the floor. The cabinet base features two inside installed securing angles including installation material and drill template

asecos
Q-SR-90 ShockResistant  120 cm

Safe and earthquake approved storage of flammable hazardous substances in working areas

Function / construction:
• Robust construction and longevity: triple hinged door, safety elements assembled outside the storage compartment for increased protection against corrosion, scratch- and impact-resistant surface, easy to clean
• Easy to open: one-hand operation for double-door cabinets
• Maximum safety in case of earthquake and fire: permanent self-closing doors, lockable with cylinder locking (integration in an existing locking system possible) and locking state indicator (red/green), doors are tightly locked after each closing operation. For opening, the doors must always be unlocked via the profile cylinder
• Floor fixing system: integrated system for fixing the cabinet to the floor. The cabinet base features two inside installed securing angles incl. installation material and drill template
• Easy indoor transport: integrated transport base with removable, optional base cover
• Easy alignment: adjusting aids to compensate for uneven floor
• Ventilation: integrated air ducts ready for connection to a technical exhaust system, either on the cabinet back (DN 50) or on top (DN 75), visual inspection of the exhaust air function in the exhaust grille (rotating fan impeller)

Available interior equipment packages:
• 2 shelves with load capacity of 40 kg each, bottom collecting sump with perforated insert useable as storage area
• 3 permanently self-closing drawers with load capacity of 40 kg each – high storage capacity, optimal use of the available storage capacities

Safety storage cabinet
Q-SR-90 model Q90.120.120.SR.WDEU
Body colour Anthracite grey (RAL 7016), with wing doors in light grey (RAL 7035), interior equipment with 3 x drawer (Sheet steel powder-coated)

Drawers
with high storage volumes, ideal for storing small containers

Shelf
Height adjustable (32 mm increments), with 30 mm upstand

Visual inspection of the exhaust air function
• integrated air ducts ready for connection (DN 75) to a technical exhaust system
• visual inspection of the exhaust air function in the exhaust grille (rotating fan impeller)
Technical data

External dimensions W x D x H
Internal dimensions W x D x H
Weight without interior equipment
Air change 10 times
Diff. pressure (air change 10 times)
Maximum load
Distributed load

Transport base
Entry height transport base for hand pallet truck
Entry width transport base for hand pallet truck

Order No.

Shelf sheet steel powder-coated RAL 7035 1043 x 432 x 30* 40.00   30021
Perforated insert sheet steel powder-coated RAL 7035 1024 x 417 x 60 40.00   5536
Bottom collecting sump sheet steel powder-coated RAL 7035 1025 x 445 x 80*  33.00 30.00 33634
Drawer sheet steel powder-coated RAL 7035 844 x 488 x 90* 40.00 30.00 27 .27 on request

* W x D usable storage space / 1) load capacity [kg], 2) capacity [litres], 3) maximum container volume inside the cabinet [litres]

Model Information / equipment Order No.
Q90.120.120.SR.WDEU without interior equipment    37156

Body colour Door colour Order No.
Anthracite grey RAL 7016 Warning yellow RAL 1004 040
Anthracite grey RAL 7016 Light grey RAL 7035 041

Interior equipment packages
2 shelves, 1 perforated insert, 1 bottom collecting sump sheet steel powder-coated RAL 7035 37165
3 drawers sheet steel powder-coated RAL 7035 on request

2 door colours are available at no extra cost:

RAL 1004
RAL 7035

Q-SR-90 ShockResistant 120 cm

Technical data Q90.120.120.SR.WDEU

External dimensions W x D x H mm 1194 x 615 x 1200
Internal dimensions W x D x H mm 1050 x 522 x 894
Weight without interior equipment kg 280
Air change 10 times m³/h 5
Diff. pressure (air change 10 times) Pa 5
Maximum load kg 600
Distributed load kg/m² 456

Transport base
Entry height transport base for hand pallet truck mm 90
Entry width transport base for hand pallet truck mm 1040

Order No.

Shelf sheet steel powder-coated RAL 7035 1043 x 432 x 30* 40.00   30021
Perforated insert sheet steel powder-coated RAL 7035 1024 x 417 x 60 40.00   5536
Bottom collecting sump sheet steel powder-coated RAL 7035 1025 x 445 x 80*  33.00 30.00 33634
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The best possible protection of man and the environment is our top-most priority.

Driven by this desire, asecos developed the first safety storage cabinet with 90-minute fire resistance for the storage of flammable liquids in 1994. At that time, the product was revolutionary since only fire-resistant storage rooms offered the same level of protection. The innovative technologies that were invented in the following years later set new standards and trends.

Wherever in the world there is a demand for first-class safety storage cabinets, asecos experts are sure to be close at hand. Throughout the world, customers benefit from selected partner companies and local asecos representatives. In Europe, asecos are represented by branch offices in the Netherlands, France, Spain and Great Britain.
300 employees develop and produce our products exclusively in the German town of Gründau, where the asecos headquarters are located. From here, asecos deliver safety storage cabinets to over 80 countries all over the world.

Enthusiasm and inventiveness have made asecos the globally leading manufacturer of EN 14470-1/-2-compliant safety storage cabinets.