

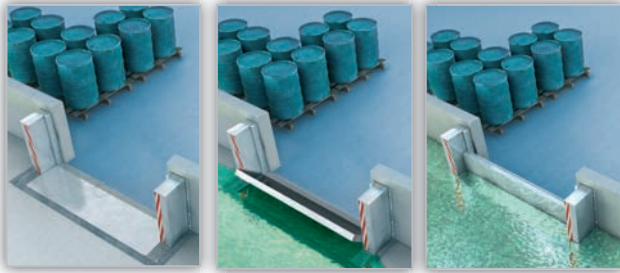


Flammable liquid stop!

the Anhamm spill barrier

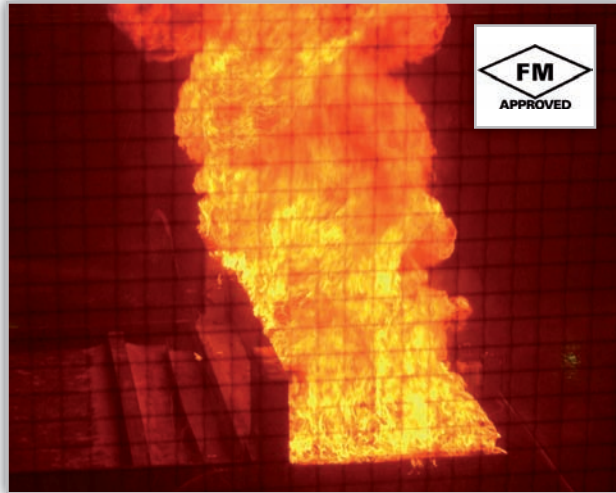


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Anhamm Flammable Liquid Stop Barrier to retain burning liquids

The patented Flammable Liquid Stop Barrier from Anhamm seals off storage areas containing flammable liquids. A spreading of the burning liquid is therefore effectively counteracted.



Special features

- Automatic closing without external power sources
- The automatic closure does not require electricity, hydraulics or pneumatics
- Utilization of existing rooms
- Low space requirements
- The installation can be adapted to local conditions
- Open traffic paths since it allows unobstructed passage for forklift, truck traffic, etc.
- Use of high-quality materials (stainless steel, PTFE)
- Seals made of PTFE
- Low operating costs
- Cost saving through use as hazardous material barrier
- Flammability test conducted (pursuant to FM Approval Standard 4985)



Anhamm Flammable Liquid Stop Barrier to retain burning liquids

Spilled liquids in a storage facility containing flammable liquids can cause serious fires that potentially develop high temperatures allowing flammable liquids to spread faster than they can be extinguished for example by a sprinkler system. The installation of a FM-tested Flammable Liquid Stop Barrier in the gate and/or door area effectively and reliably prevents the spreading of the fire through the out-flowing burning liquid by retaining the burning liquid within the room.

Activation of the Flammable Liquid Stop Barrier without external power

- Automatic activation of the barrier through in-flowing liquid
- No external energy sources are necessary, no electricity, no pneumatics, no hydraulics
- Adaptation of liquid stop safety barrier to individual architectural needs is possible
- Flush in-ground installation, safe for easy passage for forklift, truck, car, etc.
- Use of high-quality materials that withstand high stresses in an emergency
- Low maintenance costs - no operating costs
- Passed resistance test pursuant to FM Approval Standard 4985 Liquid stop barrier for 30 minutes directly in a 50 MW fire



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Flammable Liquid Stop Barrier by Anhamm
The patented Flammable Liquid Stop Barrier from Anhamm seals off storage areas containing flammable liquids. A spreading of the burning liquid is therefore effectively counteracted.

Suitability and application

- Liquid stop safety barrier as Flammable Liquid Stop Barrier for storage facilities containing flammable liquids:

Testing pursuant to FM Approval Standard 4985
Spilled liquids in a storage facility containing flammable liquids can cause serious fires that potentially develop high temperatures allowing flammable liquids to spread faster than they can be extinguished for example by a sprinkler system.

The installation of a FM-tested Flammable Liquid Stop Barrier in the gate and/or door area effectively and reliably prevents the spreading of the fire through the spilling burning liquid by retaining the burning liquid within the room.

In all application areas the main focus is placed on protecting your property from even more extensive damage and loss and therefore to uphold the asset values by attempting to limit damages with destructive consequences.

Quality control

Internal control through:
Factory-provided production control

Third party control through:
FM approvals

Description:

Delivery and scope of services

The Flammable Liquid Stop Barrier by Anhamm is delivered as a complete installation unit. The Flammable Liquid Stop Barrier will be tailored to the respective application, for new construction as well as remodeling projects. It ensures the automatic retention of burning liquids and can thus avoid damage in other areas (elevator shafts, production sites, basement entries, storage rooms, office and common rooms, retail rooms, etc).

Construction type, functionality

The Flammable Liquid Stop Barrier by Anhamm is an automatic device that is to be installed in gate and door openings for the retention of flammable or burning liquids of any type. The Flammable Liquid Stop Barrier by Anhamm is activated by the spilling liquid. The barrier is designed as a floating device. During the entry of the liquid into the pan of the liquid stop barrier, the inlaid barrier is displaced and swims on top. You do not need any external energy source, no hydraulics, no pneumatics and no electricity. The only powering energy is the spilling liquid itself that needs to be collected and that pushes up the barrier.

From a defined fluid level, the Anhamm Flammable Liquid Stop Barrier will be closed completely by traction force and will be sealed by chemical-resistant PTFE seals.

These seals are installed on the posts on the left and right side of the gate and/or door openings

and along the floor following the ledge in the width of the full barrier so that they immediately seal the spilling liquid as soon as the barrier rises.

The Flammable Liquid Stop Barrier by Anhamm closes all captured gate and door openings at 100 % = absolutely leak-proof. This ensures that the neighboring rooms or the surrounding area of the building do not come in contact with the hazardous, burning liquids.

Materials:

Anhamm Flammable Liquid Stop Barrier:
Standard:
Stainless steel (ANSI 304): pan, barrier element
Varnished structural steel: enclosure
Aluminum: vehicle crossing protection

As a special model, the device can also be produced entirely in stainless steel (ANSI 304).

Seals:
Chemical-resistant and age resistant PTFE seals

Dimensions:

Anhamm „Flammable Liquid Stop Barrier“
Barrier height/ standard:
0.3 m (12"), 0.45 m (18"), 0.61 m (24")
Door opening widths:
from 1.05 m (3 ½ ') to – 4.05 m (13'3") are always custom fitted

Installation depth of liquid stop barrier pan about 6"-7"

Intermediate dimensions as special order

Weight: (kg)
Depending on opening widths and barrier heights

Load-bearing capacity
Traversable with all means of transportation
For special vehicles, please state wheel size, tire material and wheel load

Fire behavior (FM Approval Standard 4985)
A flammability test was conducted on the Flammable Liquid Stop Barrier by Anhamm pursuant to FM Standard 4985. The Anhamm Flammable Liquid Stop Barrier was made subject to a fire with an easily combustible medium which burned for more than 30 minutes with 50 MW. The test was executed successfully and the subsequent leak-proof test was passed without objection - 100% leak-proof.

Behavior with impact by fluid
The Flammable Liquid Stop Barrier by Anhamm is activated by the spilling liquid of any kind that is to be collected. It is designed as a floating device. Automatic closure is triggered by the (burning) liquid.
Proven functionality with in-flowing liquid of different densities.

Durability
PTFE seals are chemical-resistant

Maintenance
The Anhamm Flammable Liquid Stop Barrier must be serviced regularly by the manufacturer.

The instructions and regulations stated in the

operating manual have to be observed.

Installation

Complete installation through the manufacturer / or self installation with installation support (SUPERVISION) through the manufacturer.

Special installation characteristics
No electric or other connections necessary
Installation in the floor - excavation work is necessary (on-site prerequisite)

Casting compound material that is to be used: PAGEL (manufacturer PAGEL V1-50, V2-40)
Product can be purchased through Anhamm or directly from the manufacturer in the respective country of the installation (if it is available)

On-site prerequisites
Cavity in the floor (preparation according to the specifications of the manufacturer - request drawing as PDF and/or dxf files.

Special planning information
Static loading aspects have to be considered during the installation of the Flammable Liquid Stop Barrier by Anhamm in ceilings. The manufacturer does not conduct potentially necessary calculations concerning statics, neither on the construction side nor for the retrofitted excavation through the manufacturer. The client bears the full responsibility.
The manufacturer assumes a sufficient load capacity for ceilings and floors.

The manufacturer does not issue any binding statements in regard to whether the use of an Anhamm Flammable Liquid Stop Barrier corresponds with the respective regulations in the country of the project or whether it is in compliance with all environmental, structural or other legal requirements if applicable.

Please contact the manufacturer early on, so that the planner can take the information concerning the necessary floor excavations directly from the drawings of the manufacturer. The measurements on the drawings must always be checked carefully to ensure that the space conditions on site are suitable for an installation of a Flammable Liquid Stop Barrier.

Supply options

Delivery area
Worldwide

Delivery time
Depends on type, will be agreed to in the proposal
Average: 8 weeks after clarification of all technical details

Distribution:
USA – Anhamm LLC

Other countries, continents:
Order directly from manufacturer
Anhamm Germany GmbH

Contractual and warranty conditions:
3 years