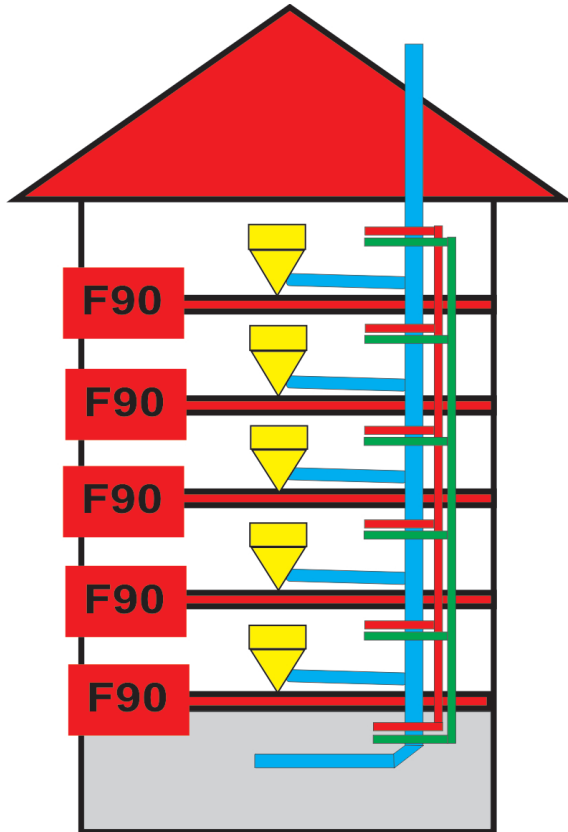


# UBA Tec

## Safe fire protection

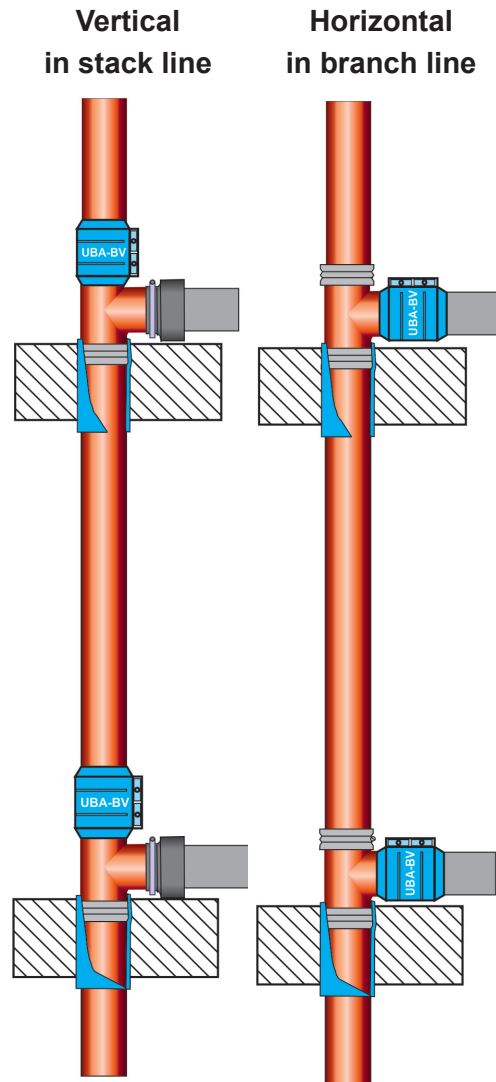


### Cast iron mixed installations with plastic pipes

#### DN 50 up to DN 150

- Change of material in stack line and in branch line
- Branches in stack line of any height
- Special solutions for existing buildings
- Branches with Floor drain
- Branch line inside ceiling
- No additional facing shell

UBA-BV Fire protection connector



UBA-BV Fire protection connector

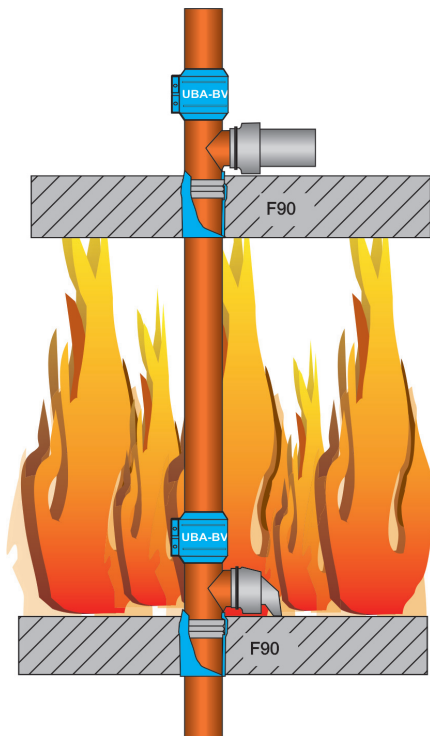


# UBA-BV Fire protection coupling

## Installation in cast iron downpipes (Stack line)

### DN 50 up to DN 125

UBA Tec fire protection systems are designed for easy planning and installation. Installation in a vertical pipeline is the most effective method. Fire protection is incorporated directly during the pipe installation



#### How it works

In the event of a fire, the plastic pipe connected to the branch burns away and the UBA-BV fire protection coupling closes the cast-iron pipe. Thus no hot flue gases can reach the floor above through the cast iron pipe.

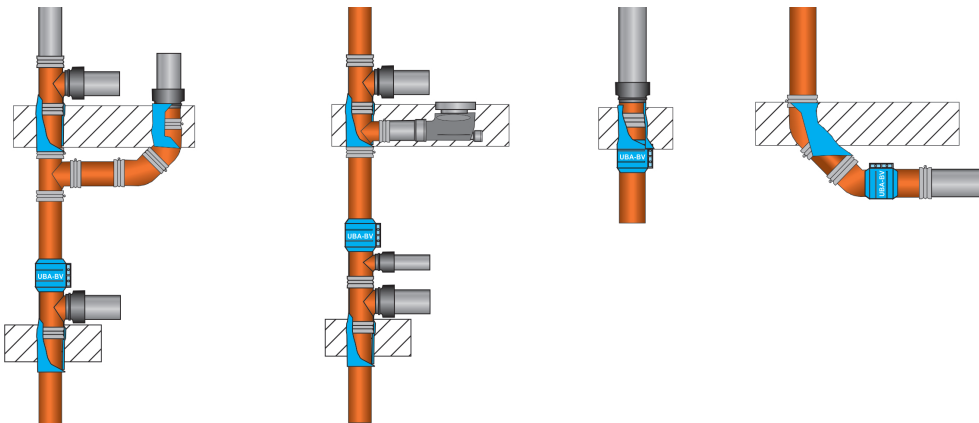
The installation of the UBA-BV fire protection connector must always be above the highest connection of the plastic pipe in the floor.

#### Simple, safe and flexible

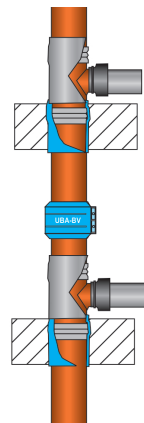
- The systems meet the relevant legal requirements for fire protection.
- German technical approval abZ No. Z-19.17-2075 (Test acc. to EN1366).
- All common plastic pipes can be connected.
- The plastic pipes can be connected at any height.
- No extra effort during installation.
- No additional facing shell made of a mineral construction material necessary.
- Only one UBA-BV fire protection connector in the floor, regardless of the number of connections.
- Reduced distances to copper, steel, stainless steel and metal composite pipe acc. to abP No. P-BWU03-I 17.6.6.

#### Examples of the application

Up to DN 100



DN 125



# UBA-BV Fire protection coupling

## Installation in horizontal line (branch)

### Downpipes (Stack line) up to DN 150

The UBA-BV fire protection connector can also be installed on the cast iron branch pipe. Each branch connection on the downpipes must be protected.

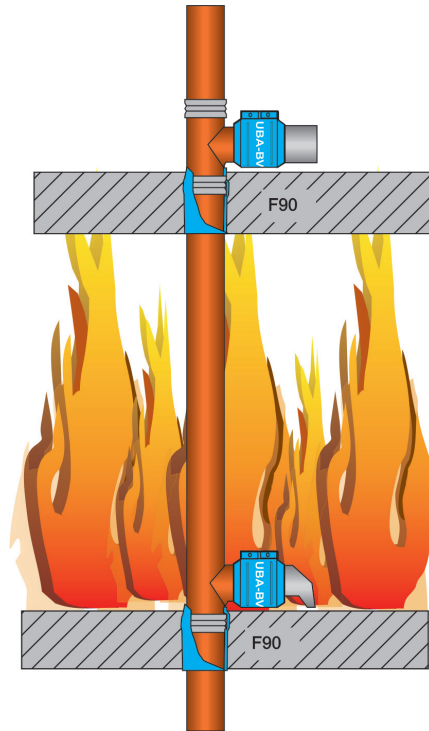
#### How it works

In the event of a fire, the plastic pipe burns away at the branch. The UBA-BV fire protection connector closes the connection at the branch line.

No hot flue gases can reach the floor above via the connection on the cast iron pipe.

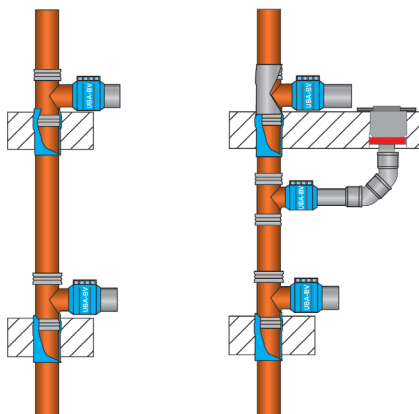
#### Simple, safe and flexible

- The systems meet the relevant legal requirements for fire protection.
- German technical approval abZ No. Z-19.17-2075 (Test acc. to EN 1366).
- The direct connection of plastic pipe is possible.
- All common plastic pipes can be connected.
- The plastic pipes can be connected at any height.
- No extra effort during installation.
- No additional facing shell made of a mineral construction material is necessary.
- Flammable connection pipes can be mounted on existing cast iron pipes.

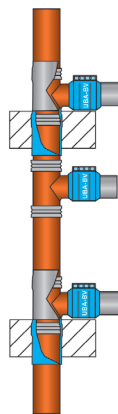


#### Examples of the application

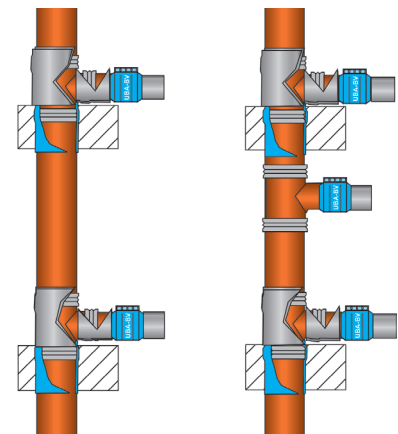
Up to DN 100



Up to DN 125



DN 150



# Compounds for the ceiling fire bulkhead

(F90/tested acc. to the European specifications (EN 1366)).

Essential for the partitioning are two products, the UBA-BV fire protection connector that closes the pipe, and the UBA-Flex, a flexible plate that provides sound insulation in the ceiling opening and the tight ceiling closure.

## The UBA-BV fire protection connector for the pipe closure in the event of fire



The UBA-BV made of stainless steel is a fire protection connector for the bulkhead sealing of cast iron pipes in domestic drainage and is installed in the vertical cast iron pipe or on the branch line. In the event of fire, the cast iron pipe is closed by the fire protection connector.

Main features:

- A single continuous EPDM seal with additional protection against mechanical influences.
- As pipe connector tested according to DIN EN 877 (TÜV Rheinland LGA Products, test report No. 21254112-003 and 21254112-004).
- Simple known application such as a pipe coupling.
- General laying and fixing rules specified by pipe manufacturers for the installation of cast iron pipes continue to apply.

## The UBA Flex in the ceiling for fire and noise insulation



The UBA-Flex is an approx. 4 mm thick flexible aluminum-laminated (grid-reinforced) plate. It consists of an intumescent material. The UBA-Flex is wrapped around the pipeline in the ceiling area and fixed with aluminum adhesive tape. In the event of a fire, the foaming material ensures the cracks and openings in the ceiling perforation are reliably closed.

Main features:

- Material approval abZ No. Z-19.11-2100.
- Easy stockage because only one product is required for all dimensions up to external diameter  $\leq 160$  mm.
- A ribbed surface for optimal sound insulation (tested by Fraunhofer Institute for Manufacturing Engineering and Automation IPA)
- Grid-reinforced aluminum lamination for robust construction site operation

## The UBA-W mat as a further insulation above the ceiling



The UBA-W4 mat or UBA-W9 mat is an aluminum-cladded glass needle mat (thickness 4 or 9 mm). If required above the ceiling, this is wrapped around the pipe as a further insulation.

Main features:

- Test certificate for the building material: abP No. P-2005-6-2460-03
- Easy installation due to the thin insulation.
- Only 300 mm height for all applications.
- Robust grid-reinforced aluminum lamination.
- One size for all dimensions (rolls).

