

# Надземные и подземные гидранты AFUD, AUD

## Технические характеристики

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## Above-ground and underground hydrants



**Above-ground and underground hydrants** reliably supply firefighters with extinguishing water – anytime, anywhere. They are the primary source of extinguishing water for firefighters. Above-ground and underground hydrants are typically located in large areas such as company premises and parking lots.

Above-ground hydrants are installed approximately one meter above ground and are usually marked in red. This makes them easy to spot and easily accessible. Underground hydrants are sunk into the ground, concealed by oval hydrant caps, and marked with hydrant signs. The hydrants are connected to the water network. Drinking water hygiene must also be observed here. The hydrants supply a water flow of 800 l/min to 1,600 l/min each, with a pressure of at least 0.15 MPa for at least two hours.

### **Above-ground and underground hydrants...**

- ... supply the fire brigade **with extinguishing water outside buildings** .
- ...must be **properly and professionally maintained** to ensure that this supply is always guaranteed.

### **Overview Products**

- Above-ground hydrants without drop jacket with simple or additional shut-off (AU/AUD)
- Above-ground hydrants with drop jacket with simple or additional shut-off (AFU/AFUD)
- Underground hydrants with simple or additional shut-off (A1/AD1)

### **Overview of services**

- Consulting and planning
- distribution
- Installation and erection
- Maintenance and repair (according to DIN 14462 and the rules of technology)
- Repair
- Test

### **Above-ground hydrants**

Above-ground hydrants are fixed water outlets located above ground, approximately one meter above ground, and are clearly visible to everyone. These hydrants, usually red, are located near buildings and have several standardized water connections.

Above-ground hydrants also include models with drop covers. These drop covers serve to protect against dirt or damage. When the hydrant is opened, the drop cover slides down, exposing the connections.

Above-ground hydrants must have a nominal pressure of PN 16. The nominal diameters are available in DN 80, DN 100, and DN 150.

### **Types:**

- With drop jacket there is the design AFUD (DN 100 and DN 150) or without drop jacket the design AUD (DN 80 and DN 100).
- With automatic emptying, as well as with/without additional shut-off (e.g. AUD and AU)

### **Underground hydrants**

Compared to above-ground hydrants, underground hydrants are more difficult to spot because they are installed underground. They are concealed and protected by a hydrant cap. Once this cap exposes the hydrant, a standpipe can be connected to draw firefighting water. Although underground hydrants are indicated by hydrant signs, because they are located on the street or on sidewalks, they are sometimes obscured by parked cars.

Underground hydrants must have a nominal pressure of PN 16, and the nominal diameter is usually DN 80. For industrial hydrants, the nominal diameter is DN 100.

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