



**Gewässer-  
Umwelt-  
Schutz  
GmbH**



## **Flat roof duct**

Product brochure

FDD Flat roof duct  
FDF Flat roof base for vapor diffusion-tight  
application  
FDS Serviceport

## Water - our source of life

Since 2005, GUS Gewässer-Umwelt-Schutz GmbH has been offering you comprehensive solutions with safety containment systems in the refrigeration and air-conditioning technology segment to meet legal requirements.

If required, our qualified sales representatives are on the road for you in Germany, Belgium, the Netherlands, Luxembourg, the Czech Republic, Denmark, Poland, Austria, Switzerland and other European countries.

### ***Quality at fair prices!***

If you don't want to compromise on quality but always have an eye on costs, GUS is the right company for you. At our site in Nord-

horn, qualified specialists manufacture suitable systems for customized applications. Continuous further development, also in the area of accessories, as well as reflection on the work results in the team guarantee precision work down to the last detail and an optimum price-performance ratio.

Working in close partnership with our customers, our team develops solutions that optimally meet the respective requirements. Their qualifications and commitment are the basis for our success.

Your -Team

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## FDD Flat roof duct

Subsequent changes to the flat roof usually damage the roof cladding and pose a major risk of penetrating moisture and cold bridges.

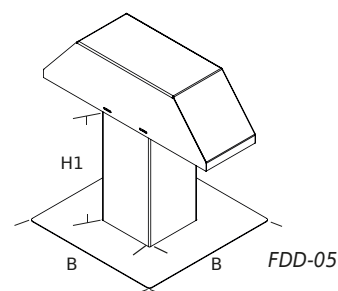
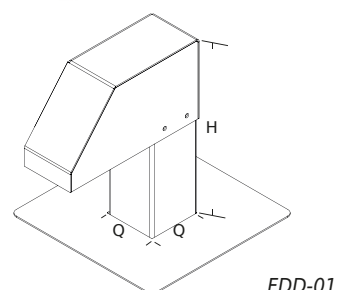
It is therefore very important to consider all roof penetrations when planning a flat roof - also in view of future installations of solar or PV systems, for example.

### Note:

We strongly recommend installing sufficient roof ducts when building a flat roof.

### FDD Flat roof duct

- Material: Aluminum
- Execution : waterproof, welded design
- Assembly: The roof sealing sheets can be laid and bonded directly to the base plate of the flat roof penetration



Article	Height H mm	Height H1 mm	Cross section Q mm	Base plate B mm	Description
<b>FDD-01</b>	275	155	80 x 80	250 x 250	1 Output
<b>FDD-02</b>	600	400	125 x 125	550 x 550	1 Output
<b>FDD-03</b>	600	400	250 x 125	550 x 550	1 Output
<b>FDD-04</b>	600	400	500 x 125	680 x 550	1 Output
<b>FDD-05</b>	600	400	200 x 200	550 x 550	2 Outputs

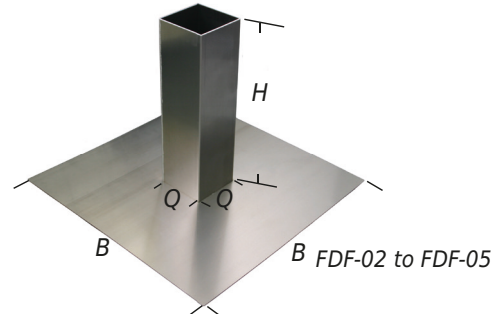
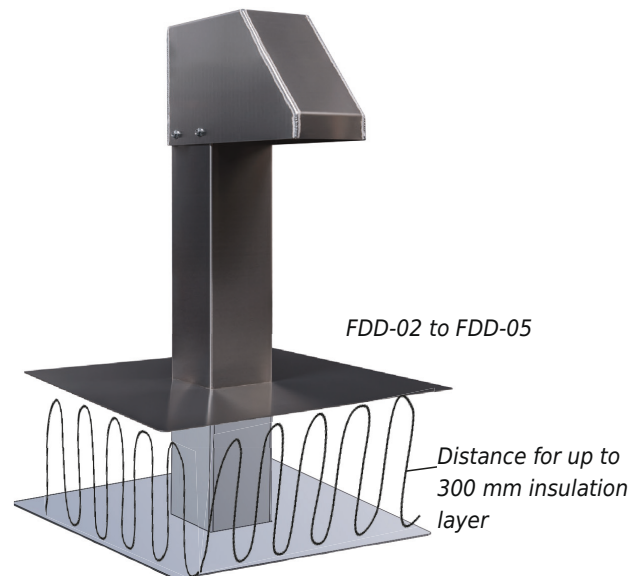
## FDF flat roof base for vapor diffusion-tight application

The flat roof base for vapor diffusion-tight application is an addition to the flat roof penetration and the service port. It consists of an additional roof base. The additional in-roof element reliably protects the roof insulation from condensation and condensation water.

The flat roof base prevents condensation from penetrating into the insulation layer. This ensures a vapor diffusion-tight roof cladding.

### FDF Flat roof base

- Material: Aluminum
- Execution : waterproof, welded design
- Combination: Suitable for insulation thicknesses up to 300 mm (exception: FDD-01 and FDF-01)
- Connections: In-roof and on-roof element can be plugged together without tools and are easy to seal



Article	Height H mm	Cross section Q mm	Base plate B mm
<b>FDF-01</b>	155	72 x 72	250 x 250
<b>FDF-02</b>	400	117 x 117	550 x 550
<b>FDF-03</b>	400	242 x 117	550 x 550
<b>FDF-04</b>	400	492 x 117	680 x 550
<b>FDF-05</b>	400	192 x 192	550 x 550

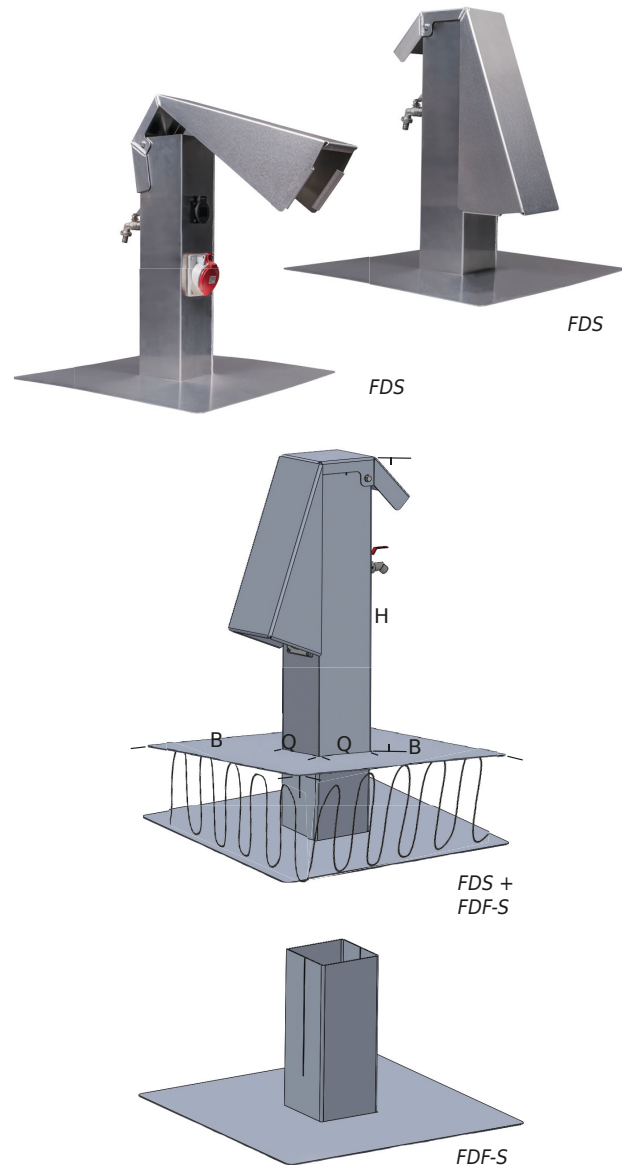
## FDS Serviceport

Halls and buildings are growing in size. The associated service work often makes supplying tradesmen with electricity and water problematic. Access points have to be created and remain open during roof work, which entails risks: danger of tripping, risk of water damage, potential damage to access lines, etc.

The service port is our solution for this. It is a roof duct with an integrated power and water connection. This professional solution ensures that the building envelope is properly sealed. In combination with our FDF flat roof base, the insulation is sealed vapor diffusion-tight. The service port offers integrated connections rain and UV protection thanks to the hinged cover. rain and UV protection.

### FDS Serviceport

- Material: Aluminum
- Execution : waterproof, welded design
- Connections: 1/2" water connection, 230 volt Schuko socket or 380 volt socket can be extended to vapor diffusion tightness as required



Article	Height H mm	Cross section Q mm	Base plate B mm
<b>FDS</b>	570	125 x 125	550 x 550

Supplement for vapor diffusion-tight construction:

<b>FDF-S</b>	400	121 x 121	550 x 550
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