



**Gewässer-
Umwelt-
Schutz**
GmbH



Flat roof penetration

Product brochure

FDD flat roof penetration
FDF flat roof foot for vapour diffusion proof/tight application
FDS Serviceport

FDD flat roof penetration

Subsequent changes/modifications made to flat roofs usually cause damages to the membrane/the roofing. Therefore such modifications bear a high risk of immersive dampness and also cold bridges.

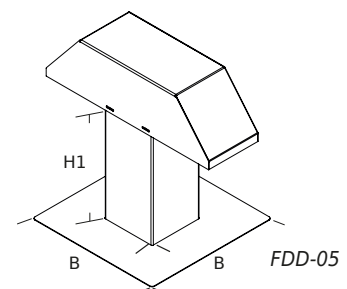
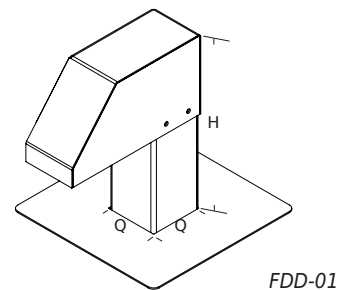
This is why it is important to start planning a flat roof only after considering all types of roof penetrations, also in view of future installations such as, for example, solar systems or photovoltaic units.

Note:

When building a flat roof, we strongly recommend installing sufficient roof ducts when building a flat roof.

FDD flat roof penetration

- material: aluminum
- design: waterproof, welded model
- installation: roof sealing strips can be glued to the external wall of the flat roof penetration



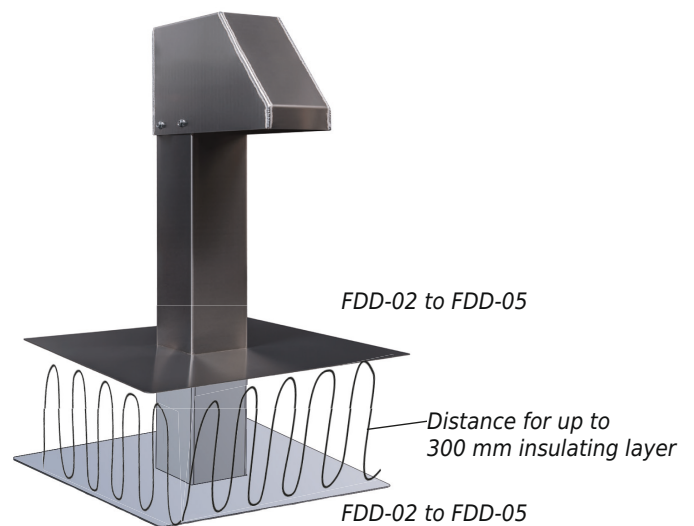
Article	Height H mm	Height H1 mm	Cross-section Q mm	Baseplate B mm	Description
FDD-01	275	155	80 x 80	250 x 250	1 way out
FDD-02	600	400	125 x 125	550 x 550	1 way out
FDD-03	600	400	250 x 125	550 x 550	1 way out
FDD-04	600	400	500 x 125	680 x 550	1 way out
FDD-05	600	400	200 x 200	550 x 550	2 ways out

FDF flat roof foot for vapour diffusion-tight Application

Flat roof foots for vapour diffusion-proof/tight applications are suitable to fit at roof penetrations and serviceports. It's an additional foot base. This further in-roof element reliably keeps the roof insulation safe from condensation water.

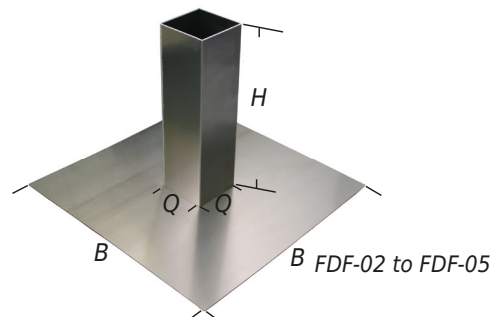
By using the flat roof foot an infiltration of condensation water to the isolation level will be prevented.

This is how a vapour diffusion proof roofing can be guaranteed.



FDD flat roof foot

- material: aluminum
- design: waterproof, welded model
- installation: adapted for isolation thickness up to 300 mm
- connections: in-roof and on-roof elements assembled without tools, quick and easy sealing



Article	Height H mm	Cross-section Q mm	Baseplate B mm
FDF-01	155	72 x 72	250 x 250
FDF-02	400	117 x 117	550 x 550
FDF-03	400	242 x 117	550 x 550
FDF-04	400	492 x 117	680 x 550
FDF-05	400	192 x 192	550 x 550

FDS Serviceport

As halls and other buildings are getting bigger and higher these days also the maintenance and repair work is getting more and more complicated. In many cases the supply of water and electricity is not assured. So they need an access authorisation during their roof operation which can cause different/several risks: risk of stumbling, risk of water damages, potential damages of the access lines and many more.

Our solution is the FDS Serviceport. The FDS Serviceport is a roof penetration with integrated power and water connections. This professional solution guarantees a clean tightning of the outer skin of a building. In combination with the flat roof foot the isolation is vapour diffusion proof sealed. The FDS Servicepoint offers integrated connections with foldaway covers for rain- and UV-protection.

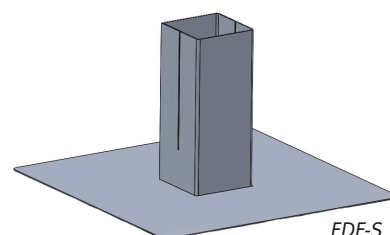
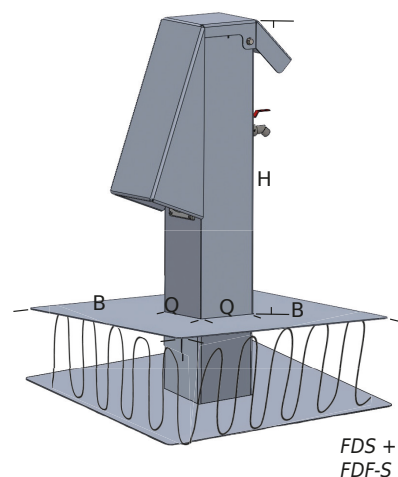
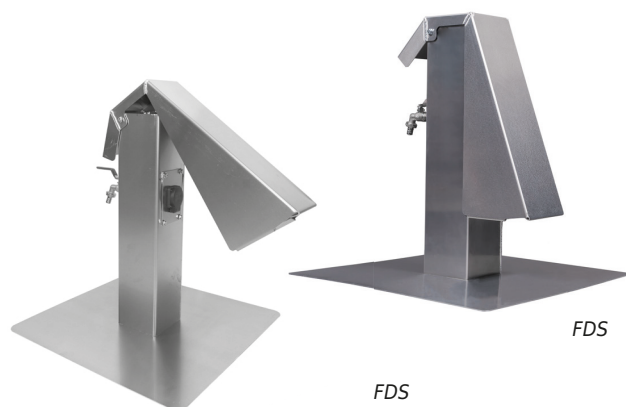
FDS Serviceport

- material: aluminum
- design: waterproof, welded model
- connections: 1/2" water connection, 230 Volt Schuko-plug socket or 380 V power socket
upgradeable to vapour diffusion-tight if necessary

Article	Height H mm	Cross-section Q mm	Base plate B mm
FDS	570	125 x 125	550 x 550

Addition to vapour diffusion-tight construction:

FDF-S	400	121 x 121	550 x 550
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