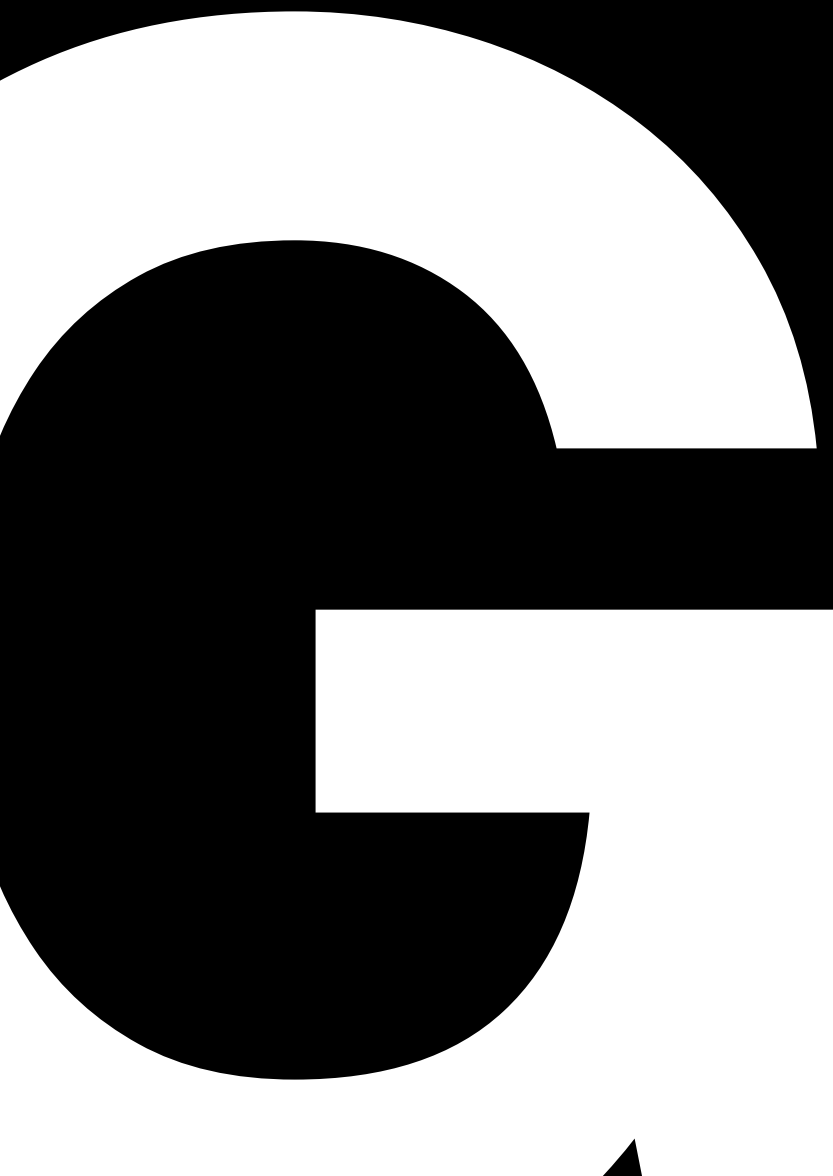


We produce oil protectors.

**Because water is  
the most important  
element for life.**



# WE PRODUCE OIL PROTECTORS

**„With our precise and legally compliant solutions, we not only ensure compliance with all legal requirements, but also make a significant contribution to achieving the highest certification standards - for your safety.“**

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.

Our qualified field service is 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, then GUS is the right company for you. At our site in Nordhorn, qualified specialists manufacture suitable systems for customized applications. Continuous further development, also in the area of accessories, as well as reflection of 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.



# GUS

Because water is  
the most important  
element for life.

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# GGW/AGW GLYCOL PROTECTOR



## WATER RESOURCES ACT

The Water Resources Act (WHG) and the Plant Ordinance (AwSV) regulate the handling of substances hazardous to water. The glycol protector made of stainless steel or aluminum AlMg<sup>3</sup> helps to meet this legal requirement.

In the event of a leak, it prevents leaking oils and glycol of water hazard classes one to three from polluting the environment within the scope of the legal requirements.

The glycol protector with integrated oil separator drains the highest amount of precipitation measured in Germany without causing the sump to overflow.

The glycol protector is available with two different sensor technologies:

- GGW glycol detection pressure sensor
- GLF Glycol detection conductivity sensor

Images are for illustration purposes only

## GLYCOL PROTECTOR

The GGW/AGW glycol protector is an extension of the CUW/AUW oil protector. The GGW is made of stainless steel grade 1.4301 (V2A) while the AGW is made of aluminum AlMg<sup>3</sup> (see CUW/AUW).

The glycol protector is a tested containment system for refrigeration and air conditioning systems installed on it and, by legal requirements, prevents water-glycol mixtures and oils of water hazard classes one to three (WGK1-WGK3) that have run into the glycol protector from being flushed out when it rains. Leaks are detected, displayed, and retained.

The suitability of the system has been verified by TÜV Rheinland. The original TÜV certificate can be viewed on our website [www.oelprotektor.de](http://www.oelprotektor.de)

A



Switch box (control module)  
IP65-protected and UV-resistant

## GLYCOL DETECTION PRESSURE SENSOR

The GGW/AGW glycol protector is an extension of the oil protector. In addition to preventing the escape of light liquids (e.g. oils), it also prevents the escape of water-glycol mixtures or other water-soluble substances in accordance with legal requirements.

The system uses a digital pressure sensor to monitor the water-glycol circuit. The information supplied is processed by the control module. System-related pressure fluctuations are distinguished from an emergency, i.e. a leakage, and in the event of a leakage, the safety valves used are closed immediately. Leaking water-polluting substances are retained in the glycol protector and the operator is alerted. The water-glycol circuit is constantly monitored by modern sensor technology. The control box is IP65-protected and UV-resistant and contains a microprocessor, relays, terminal blocks, and the complete internal wiring.

The microprocessor evaluates the data from the sensors. If the control unit detects a leak in the fluid circuit, the drain valves are locked and an alarm contact is activated. This ensures that the leaking water-glycol mixture is safely contained.

## ACCESSORIES

1



Weather protection cover for the safety valve with servomotor

2



Pedestals or other special solutions, depending on requirements

3



GLF sensor (incl. 5 m cable)

## ACCESSORIES

4



Multi-part drip tray, depending on requirements

5



Pressure sensor 1/2" in the refrigeration circuit (incl. 5 m cable)

6



Safety valve with servomotor, depending on requirement



# OIL PROTECTOR

## CUW OIL PROTECTOR

The CUW oil protector consists of a stainless steel drip tray with integrated oil separator. Leaking refrigeration machine oil is collected by the CUW oil protector. In the event of rain, the refrigeration machine oil is retained by a patented oil separator system in accordance with legal requirements. The rainwater continues to be drained off.

The CUW oil protector is available in several standard sizes. The variable mounts allow installation on support beams, vibration dampers and wall brackets. Special sizes for chillers and air conditioning units can be manufactured to suit all designs according to individual customer requirements.

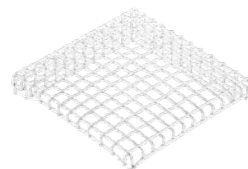


**Material:** stainless steel 1.4301 (V2A)  
**Processing:** welding according to DIN EN ISO 9606-1

Article	L x W x H	Oil quantity in liters	S/O*
CUW-1-S	320 x 900 x 35	1,19	S
CUW-2	400 x 950 x 35	1,52	S
CUW-3	500 x 1.150 x 35	2,30	S
CUW-4	850 x 1.140 x 35	3,87	S
CUW-5	930 x 1.140 x 35	4,24	S
CUW-6	780 x 1.500 x 35	4,68	S
CUW-7	1.200 x 1.500 x 35	5,40	S
CUW-8	850 x 1.430 x 35	4,90	S
CUW-9	590 x 1.250 x 35	3,00	S
CUW-10	850 x 1.750 x 35	5,80	S
CUW-11	1200 x 1200 x 35	6,70	S
CUW-12	1200 x 1750 x 35	9,80	S

## OPTIONAL ACCESSORIES

Leaf guard for an installation height of up to 50 mm



\*S/O = stock items/order items

## AUW OIL PROTECTOR

The AUW oil protector differs from the CUW oil protector mainly in terms of the material. It is made from aluminium AlMg3. This inexpensive material is just as corrosion-resistant, but considerably lighter. This also provides advantages in terms of logistics.

The separator works on the same principle as the CUW oil protector. Thanks to the outlets on both sides, contamination can be detected immediately and cleaning the separator is also considerably easier. The AUW oil protector is available in several standard sizes. The extra-wide mounts allow installation on support beams, vibration dampers and wall brackets.



**Material:** aluminium AlMg3  
**Processing:** welding according to DIN EN ISO 9606-1

Article	L x W x H	Oil quantity in liters	S/O*
AUW-1	320 x 900 x 35	1,19	S
AUW-2	400 x 950 x 35	1,52	S
AUW-3	500 x 1.150 x 35	2,30	S
AUW-4	850 x 1.140 x 35	3,87	S
AUW-5	930 x 1.140 x 35	4,24	S
AUW-6	780 x 1.500 x 35	4,68	S
AUW-7	1.200 x 1.500 x 35	5,40	S
AUW-8	850 x 1.430 x 35	4,90	S
AUW-9	590 x 1.250 x 35	3,00	S
AUW-10	850 x 1.750 x 35	5,80	S

## OPTIONAL ACCESSORIES

Leaf guard for an installation height of 35 mm



For more information please visit [oelprotektor.de](http://oelprotektor.de)

# FLAT ROOF PENETRATION IN ALUMINIUM

\*ALSO AVAILABLE AS A PLASTIC OPTION ON REQUEST

## FDD FLAT ROOF PENETRATION

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. We recommend that you always install sufficient roof penetrations when building a flat roof.



Article	Height	Height H1	Cross-section	Baseplate	Outputs	S/O*
FDD-01	275 mm	15 mm	80 x 80	250 x 250	1 Outputs	S
FDD-02	600 mm	400 mm	125 x 125	550 x 550	1 Outputs	S
FDD-03	600 mm	400 mm	250 x 125	550 x 550	1 Outputs	S
FDD-04	600 mm	400 mm	500 x 125	680 x 550	1 Outputs	S
FDD-05	600 mm	400 mm	200 x 200	550 x 550	2 Outputs	S

## ASSEMBLY

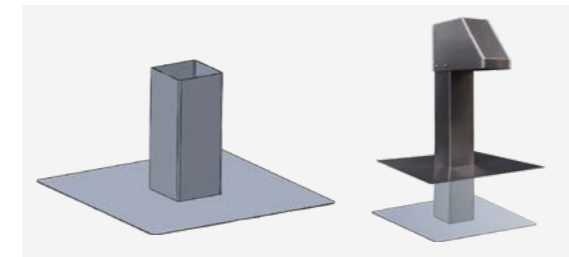
The roof sealing sheets can be laid and bonded directly to the base plate of the flat Roof Penetration.

**Material:** aluminium  
**Execution:** waterproof, welded model

## FDF FLAT ROOF FOOT

Our FDF flat roof base is an addition to the flat roof penetration and the service port, and the additional in-roof element reliably protects the roof insulation from condensation and condensation water.

**Combination:** suitable for insulation thicknesses up to 300 mm (exception: FDD-01 and FDF-01). Tool-free installation, quick and easy sealing.



Article	Height	Cross-section	Baseplate	S/O*
FDF-01	155 mm	72x72 mm	250x250 mm	S
FDF-02	400 mm	117x117 mm	550x550 mm	S
FDF-03	400 mm	242x117 mm	550x550 mm	S
FDF-04	400 mm	492x117 mm	680x550 mm	S
FDF-05	400 mm	192x192 mm	550x550 mm	S

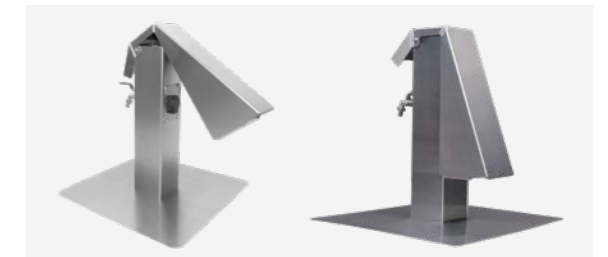
**Material:** aluminium  
**Execution:** waterproof, welded model

\*S/O = stock items/order items

## FDS SERVICEPORT

The service port is a roof bushing with an integrated power or water connection. Thanks to the hinged cover, the service port provides rain and UV protection for the integrated connections.

**Connections:** 1/2" water connection, 230 volt Schuko-plug socket or 380 V power socket upgradeable to vapour diffusion-tight if necessary.

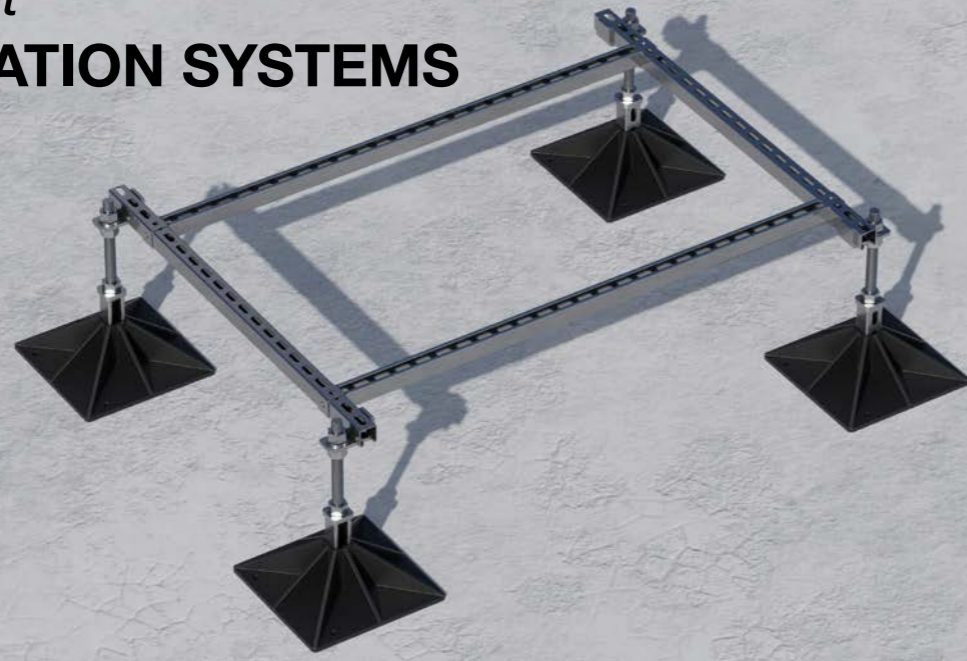


Article	Height	Cross-section	Baseplate	S/O*
FDS	570	125 x 125	550 x 550	S
Addition to vapour diffusion-tight construction:				
FDF-S	400	121 x 121	550 x 550	S

**Material:** aluminium  
**Execution:** waterproof, welded model

For more information please visit [oelprotektor.de](http://oelprotektor.de)

# GUS Foot INSTALLATION SYSTEMS



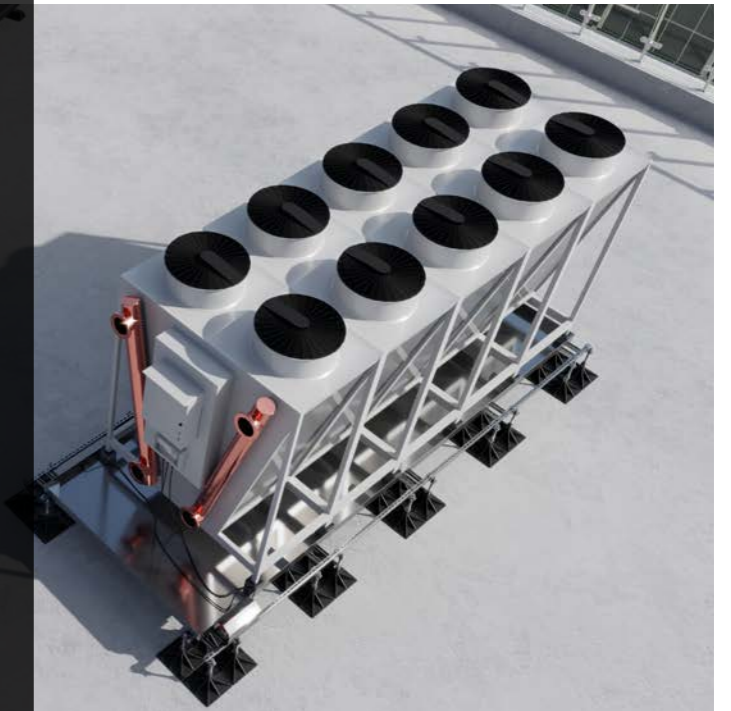
## ADVANTAGES

GUS Foot systems offer a high degree of flexibility and adaptability so that they can be perfectly adapted to the conditions on site. On flat roofs, the installation systems can be installed without damaging the roof thanks to their Anti-vibration mats backed feet (optional 2.5° angle for pitched roofs).

GUS Foot Base and Plus have been designed to safely and reliably support Point loads of up to 200 kg per load point.

## PLEASE NOTE

The base of the GUS Foot is designed for use on pressure-resistant surfaces. Non-pressure-resistant insulation can lead to permanent uneven loads and even overloads.



Images are for illustration purposes only

## GUS Foot INSTALLATION SYSTEMS

With the GUS Foot installation systems, fast, versatile and economical solutions can be realised for the installation of TGA systems.

Our GUS Foot systems impress with their functionality and robust construction made entirely of hot-dip galvanized steel. They have been developed to simplify and speed up installation. The use of installation systems, whether basic modules, extensions or custom-made products, enables projects to be planned and implemented effectively and flexibly without the need for roofers or steel fabricators.

Article	No. of feet	No. of cartons	Longitudinal	Cross struts	Max lenght	Module weight	Max load	S/O*
Base	4	2	1.000 mm	1.200 mm	1.645 mm	32 kg	800 kg	S
Base + 1 Plus	6	4	2.000 mm	1.200 mm	1.645 mm	54 kg	1.200 kg	S
Base + 2 Plus	8	6	3.000 mm	1.200 mm	1.645 mm	78 kg	1.600 kg	S
Base + 3 Plus	10	8	4.000 mm	1.200 mm	1.645 mm	101 kg	2.000 kg	S
Base + 4 Plus	12	10	5.000 mm	1.200 mm	1.645 mm	124 kg	2.400 kg	S
Base + 5 Plus	14	12	6.000 mm	1.200 mm	1.645 mm	148 kg	2.800 kg	S

\*S/O = stock items/order items

## GUS Foot INSTALLATION SYSTEM BASE

- Hot-dip galvanized
- 2 x 1 m Longitudinal struts 41 x 41 mm
- 2 x 1,2 m Cross struts 41 x 41 mm incl. screw connection
- 4 x Complete legs 320 mm incl. screw connection, damping mat and threaded rod
- 4 x Connection bracket incl. screw connection

**Module weight:** 32 kg

**Max load:** ca. 800 kg

## GUS Foot INSTALLATION SYSTEM BASE +1 PLUS

- Hot-dip galvanized
- 4 x 1 m Longitudinal struts 41 x 41 mm
- 4 x 1,2 m Cross struts 41 x 41 mm incl. screw connection
- 2 Connectors for the longitudinal struts
- 6 x Complete legs 320 mm incl. screw connection, damping mat and threaded rod
- 4 x Connection bracket incl. screw connection

**Module weight:** 54 kg

**Max load:** ca. 1.200 kg

## GTT 320 TRACK SUPPORT

- Rack support for pipes and cables
- 2 feet 320 x 320 mm
- 2 Mounting bracket incl. screw connection



## DESCRIPTION

- Optimal and economical solution for fastening pipes and cables
- Quick and easy installation
- Anti-vibration mats on the feet
- The C-profile is not included in the set, suitable for commercially available C-profiles 41 x 41 mm and 40 x 38 mm

## GAB 800 SET-UP BLOCK

- Installation system for the substructure of heavy appliances



## DESCRIPTION

- Load capacity: 800 kg
- Flexibly adjustable
- Anti-vibration mats on the feet
- Feet in a set of 4 320 x 320 mm
- Quick and easy assembly

Customised products available on request. For more information please visit [oelprotektor.de](http://oelprotektor.de)



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