



It's not waste. It's energy.

# Gravel filter

Maintenance-friendly by easy removal of the filter material.



The AAT gravel filters of type KF 400 - 800 are used to separate coarse substances as well as to collect and drain condensate.

In order to extend the maintenance cycle and the lifetime of the consumer, the gas should be free of coarse particles.

To ensure this, the gas flows through the filter from the top to the bottom and is cleaned by means of round gravel or plastic packing.

The arising condensate is removed by a siphon condensate sluice inside the filter support.

When the water level drops the gas is passed into the bypass pipe and released into the environment. A gas leakage into the installation shaft or into the technic room is thus safely prevented.

With increasing soiling of the filter material, the maintenance opening can be used to remove it from the front, to clean it and to fill it in again from the top.

## Advantages:

- ✓ Material: Stainless steel 1.440x (SS316)
- ✓ Pressure range: up to 100 mbar
- ✓ Pressure loss: approx. 5 mbar (depending on the grain size of the filter material)
- ✓ Filter material: Round gravel (grain size 30 to 60 mm) or plastic packing (HDPE)
- ✓ Integrated condensate lock
- ✓ Cleanable filter material
- ✓ Quick release cover
- ✓ Pressure indicator (U tube pressure gauge)
- ✓ Relief pipe to ensure the gas outlet

## Options:

Optionally, an automatic condensate outlet can be installed especially for high pressures, a pressure transducer for gas inlet and outlet as well as a filling level indicator for water feed. A washer jet for the filter material is available as an optional feature as well.

| Types  | Throughput capacity<br>m <sup>3</sup> /h | Diameter<br>mm | Connection flanges<br>DN |
|--------|--|----------------|--------------------------|
| KF 400 | 0 – 400                                  | 400            | 50 – 150                 |
| KF 520 | 0 – 600                                  | 520            | 80 – 200                 |
| KF 620 | 0 – 800                                  | 620            | 100 – 250                |
| KF 800 | 0 – 1200                                 | 800            | 150 – 300                |