

Gravel filters FG series

EQUIPMENT TYPE

Gravel filters are used to remove condensate drops and particles dragged by the biogas flow.

APPLICATION

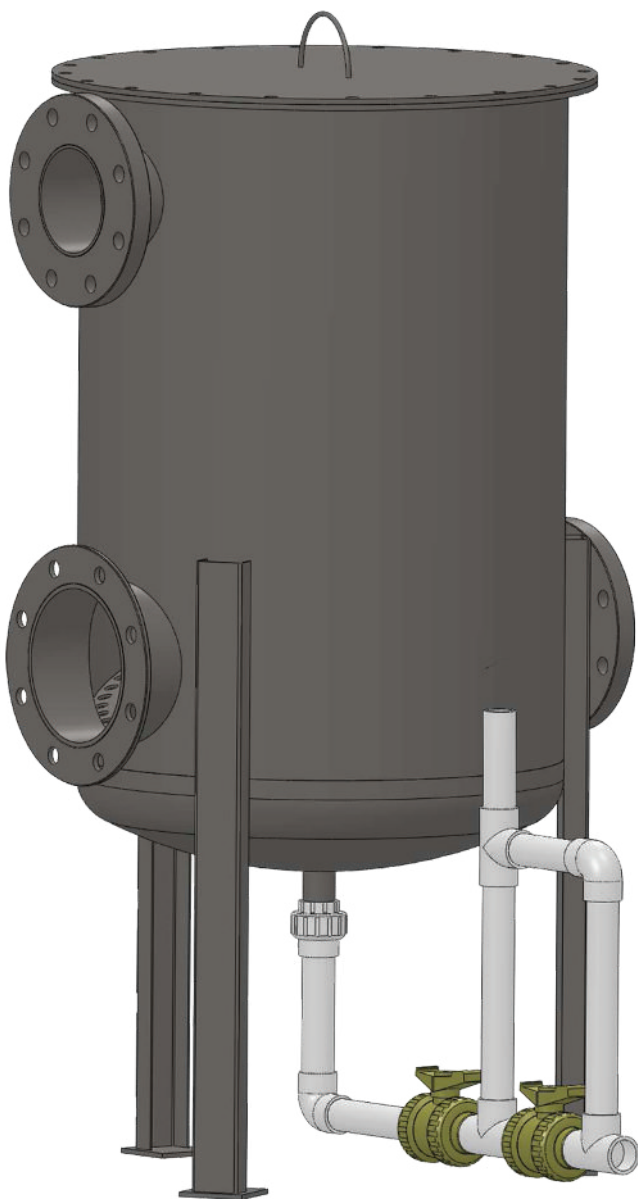
Our gravel filters FG series are usually installed immediately at the outlet of the digester to remove condensate drops and coarse particles from the biogas.

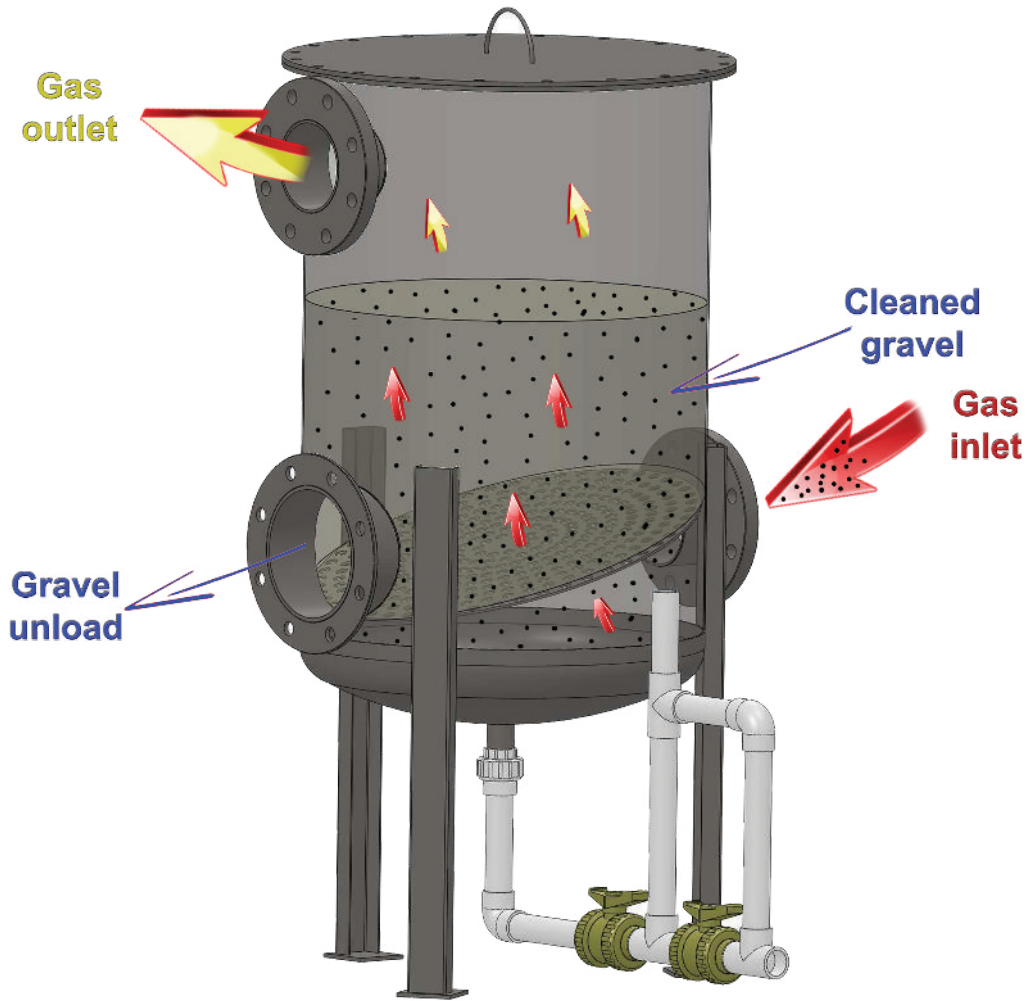
OPERATING PRINCIPLE

The Airdep gravel filter FG series ensures the simple coarse cleansing of the biogas. The gas flows through a gravel filter layer during which process dirt, foam and condensate droplets are separated out. Filling material is usually coarse gravel with granular size between 30 and 60 mm. An external water trap device allows for continuous disposal of condensate.

MAIN ADVANTAGES

- No clogging problems
- Easy maintenance
- Low cost





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|------------------|---|------------|
| Gas flow m3/h | from : 50 | to : 2.000 |
| Dimensions | As required by the customer. | |
| Filter media | Gravel with granular size between 30 and 60 mm. | |
| Condensate drain | Continuous condensate drain | |

CONSTRUCTION

Gravel filter can be constructed in polypropylene, polyethylene, PVC, reinforced fiberglass, and stainless steel AISI 304 or 316.

OPTIONAL

- Differential pressure gauge
- Sampling points