

## Candles filters FCC series

### EQUIPMENT TYPE

Ceramic Candles filters are used to remove condensate drops and fine particles dragged by the biogas flow.

### APPLICATION

Our Ceramic Candles filters FCC series are usually installed immediately at the outlet of the digester and downstream a gravel filter, to remove condensate drops and coarse particles from the biogas.

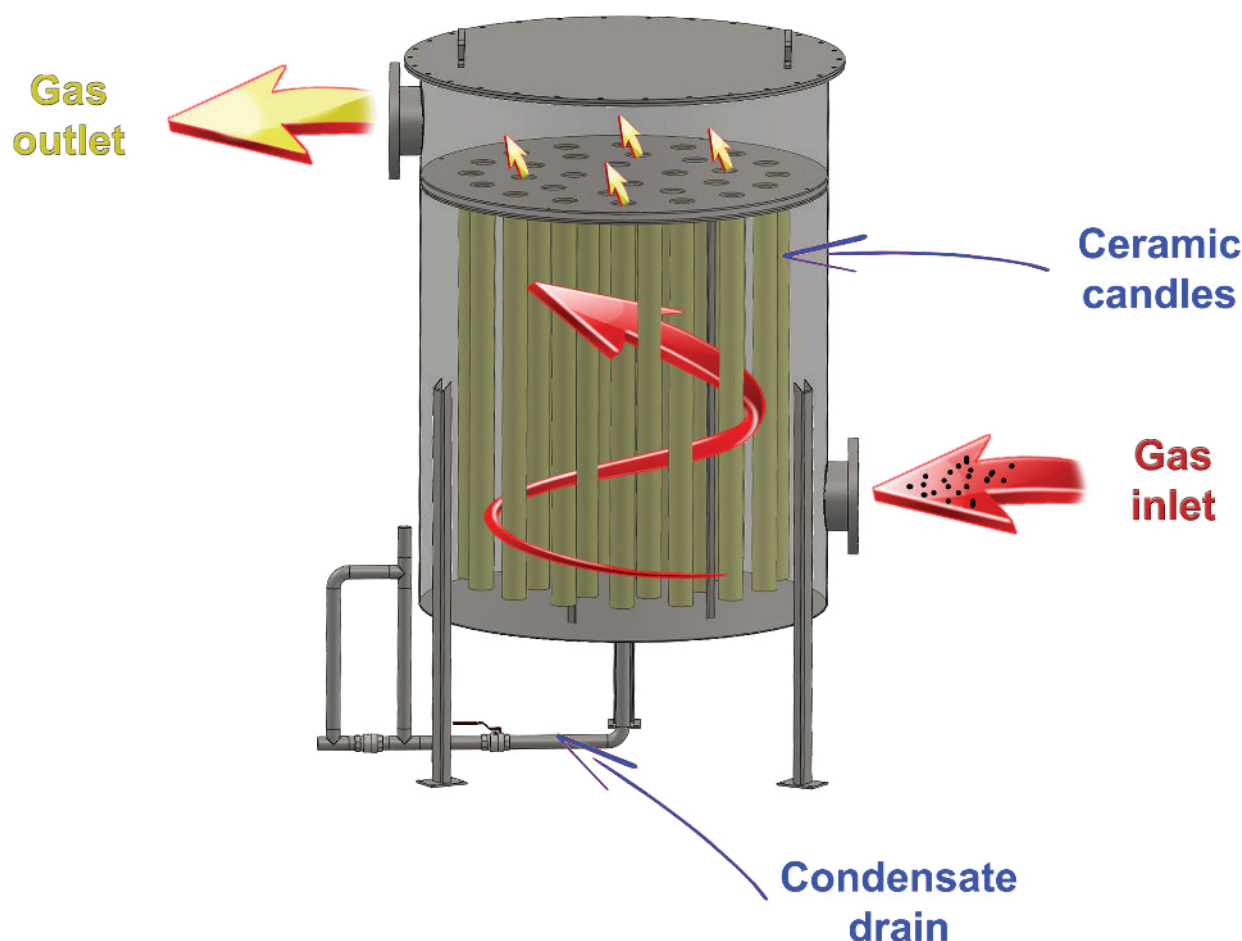
### OPERATING PRINCIPLE

Candles filters FCC series ensures the complete cleansing of the biogas and are composed of ceramic hollow candles with porosity between 10 and 30 micron to separate the finer particles from the biogas. The gas flows through the candles, during which process dirt, foam and condensate droplets are separated out. An external water trap device allows for continuous disposal of condensate.

### MAIN ADVANTAGES

- No clogging problems
- Easy maintenance
- Low cost





Gas flow m3/h	from : 50	to : 2.000
Dimensions	As required by the customer.	
Filter media	Ceramic hollow candles with porosity between 10 and 30 micron.	
Candles q.ty	According to the gas flow.	

## CONSTRUCTION

Candles filters can be constructed in polypropylene, polyethylene, PVC, reinforced fiberglass, and stainless steel AISI 304 or 316. The Candles for filtration are long slot tubes with a small diameter, closed at the bottom side and having a connection part at the top side. The filtration direction is from out to in.

## OPTIONAL

- Differential pressure gauge
- Sampling points