

## GAS FLARE FAIL



- Emergency flare, pursuant to the widely applied German air pollution regulation TA Luft
- Low noise & low emissions
- Concealed combustion
- Fully automatic operation and burner control, pursuant to EN 746-2
- Certified fittings (ATEX, DVGW)
- Wide operating range (turndown ratio)
- Entirely made from stainless steel
- Version resistant to high H<sub>2</sub>S concentrations available
- Various accessories available on request
- Made in Austria

## ENVIRONTEC'S EMERGENCY BIOGAS FLARE

The operation of biogas or sewage treatment plants may necessitate the safe combustion of excess gas (e.g. start-up phase, repairs or severe consumer damages). The EnvironTec gas flare FAIL series provides the operator with an automatically controlled, safe and low-emission gas flare. The robust and functional design of the FAIL primarily ensures a long service life, low maintenance and constant availability.

Flare operation is fully automated. On receipt of the start / stop signal from the plant control or after a pressure reaches a set value, the automatic burner control automatically opens the relevant fittings and simultaneously initiates the ignition sequence. The flame is continually monitored by a UV sensor.

The FAIL is fitted with a plastic switch cabinet (IP66) with automatic burner control pursuant to EN 746-2.

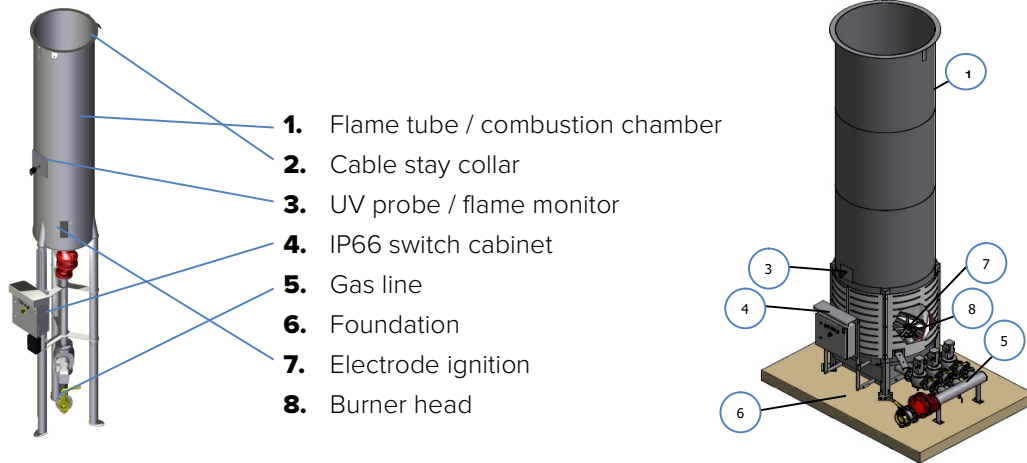
Gas combustion is via injector burners, enabling a pre-mix air-biogas to take place with that achieving a safe, more stable, less noisy and concealed combustion.

If desired, the FAIL flare can be equipped with additional accessories such as pressure control, pilot burner system, electrically heated fittings or temperature monitoring among others.

EnvironTec FAIL biogas flares are entirely made from stainless steel and fitted with high-quality components/fittings.

# APPLICATIONS AND SPECIFICATIONS

- Fully automated gas flare operation for the combustion of biogas and other combustible gases pursuant to TA-air 5.4.8.1a2 and EN 746-2
- Safe and quiet combustion
- Pilot burner system, pressure control, line trace heating, version for elevated H<sub>2</sub>S and many others features at customer request.
- Switch cabinet available in stainless steel (plastic IP66 as standard)



Model size	Height	Diameter	Flow rate	weight	Standard connection
	mm	mm	Nm <sup>3</sup> /h	kg	DN
FAII 50	3848	406	20 – 60	150	40
FAII 100	4108	506	60 – 100	180	50
FAII 200	5348	606	100 – 200	240	65
FAII 300	4848	796	200 – 310	280	80
FAII 400	5348	796	310 – 400	320	100
FAII 500	5348	955	400 – 500	390	100
FAII 750	6348	1114	500 – 800	680	125
FAII 1000	7848	1273	800 – 1150	950	150
FAII 1500	6820	1590	max. 1500	1600	200
FAII 1800	7320	1800	max. 2000	1800	200