

HOFGAS[®] - IFL1c

Flare for gasholder operation

Standard flare for sewage or biogas plants. Ideal in combination with gasholder operation and gas systems with constant pressure ratios.

Thanks to concealed combustion, the **HOFGASⁱ - IFL1c** flare attains more than 99% combustion efficiency. Because of no visible flame, erection of the flare is most advantageous even near residential areas.

The plant is simple to operate and adjust, and starts reliably. The convincing aspect of the flare is its straightforward design, combined with the latest safety technology.

Highly reliable sewage-gas flares with high standards of quality and safety.



HOFGASⁱ - IFL1c 120

- ✓ Standard sewage or biogas flare
- ✓ For gasholder operation
- ✓ Concealed flame
- ✓ Combustion efficiency > 99%
- ✓ High standards of safety
- ✓ Piping made of stainless steel AISI304

General specifications

| | |
|--|-----------------------------|
| Gas flow rate | 60 - 900 Nm ³ /h |
| Burner capacity up to | 6'750 kW |
| Methane concentration | 50 - 75 vol. % |
| Combustion temperature | > 800 °C |
| Initial gas pressure | > 25 mbar |
| Expected sound pressure level at full load (at 15m distance and 2m height) | < 65 dB(A) |
| Power consumption | < 1 kW |

Safety features

- Flame arrester
- Slam shut valve
- Ignition burner
- Burner control with UV detection

Site preparation

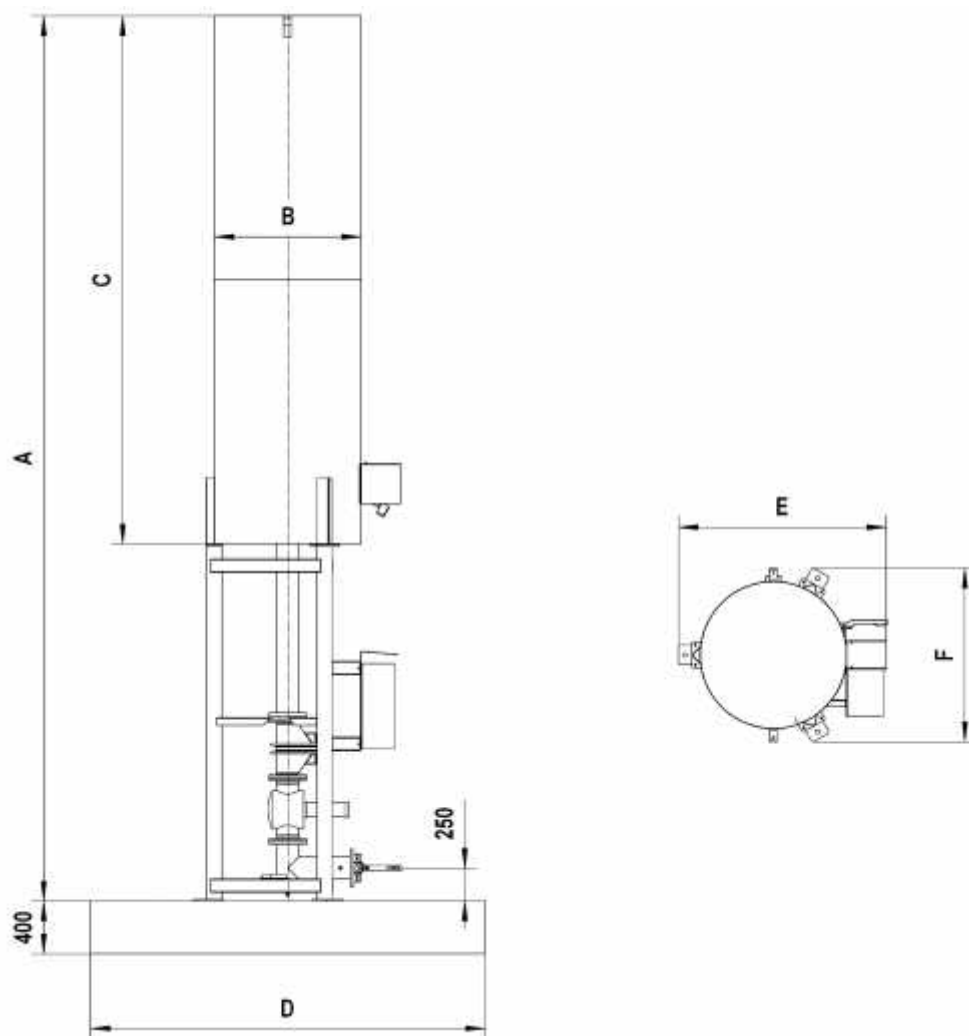
- Preparation of location (fence, access road, etc.)
- Foundation
- Pre-dewatering
- Electricity supply
- Pipeline connection

Options

- Two stage burner
- Combustion temperature > 900°C
- Supporting structure made of stainless steel
- Frost protection

More options are available on request

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Specification for standard units

| HOFGAS ⁱ - | Gas flow rate (max.) Nm ³ /h | Burner capacity (max.) kW | Flange connection DN/PN | Initial gas pressure at full load (min.) mbar | Dimension A mm | Dimension B mm | Dimension C mm | Dimension D mm | Dimension E mm | Dimension F mm | Weight (approx.) kg |
|-----------------------|---|---------------------------------|----------------------------|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------------|
| <i>IFL1c 60</i> | 60 | 450 | 50/16 | 25 | 6'200 | Ø 640 | 3'500 | 2'500 | 1'100 | 730 | 500 |
| <i>IFL1c 120</i> | 120 | 900 | 65/16 | 25 | 6'700 | Ø 800 | 4'000 | 3'000 | 1'170 | 1'000 | 500 |
| <i>IFL1c 180</i> | 180 | 1'350 | 80/16 | 25 | 6'700 | Ø 800 | 4'000 | 3'000 | 1'170 | 1'000 | 650 |
| <i>IFL1c 240</i> | 240 | 1'800 | 80/16 | 25 | 6'700 | Ø 960 | 4'000 | 3'000 | 1'330 | 1'160 | 850 |
| <i>IFL1c 360</i> | 360 | 2'700 | 100/16 | 25 | 6'700 | Ø 1'120 | 4'000 | 3'000 | 1'600 | 1'350 | 1'150 |
| <i>IFL1c 480</i> | 480 | 3'600 | 125/16 | 25 | 6'700 | Ø 1'280 | 4'000 | 4'000 | 1'730 | 1'480 | 1'350 |
| <i>IFL1c 600</i> | 600 | 4'500 | 150/16 | 25 | 6'700 | Ø 1'280 | 4'000 | 4'000 | 1'730 | 1'480 | 1'400 |
| <i>IFL1c 760</i> | 760 | 5'700 | 150/16 | 25 | 6'700 | Ø 1'440 | 4'000 | 4'000 | 1'890 | 1'640 | 1'600 |
| <i>IFL1c 900</i> | 900 | 6'750 | 200/16 | 25 | 6'700 | Ø 1'440 | 4'000 | 4'000 | 1'890 | 1'640 | 1'650 |