



LNG-Tanker, LNG-Bunker Ship, FSRU

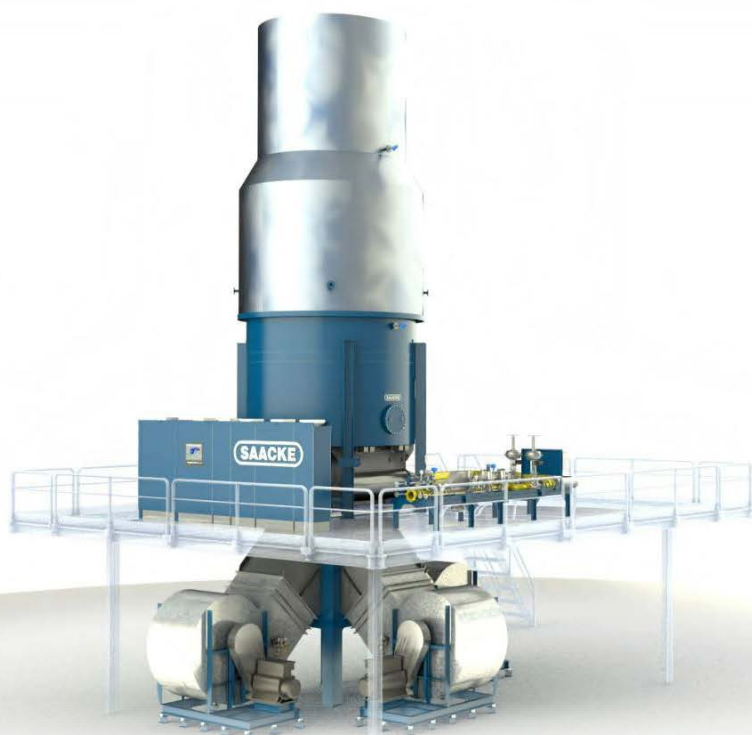
GAS COMBUSTION UNIT – GCUevo.

Thanks to decades of experience in building GCUs, our **GCUevo Design offers a highly sophisticated and robust solution to handle boil-off gas.** Safety for ship, cargo and climate.

PRODUCT INFORMATION

SAFETY FOR SHIP, CARGO AND CLIMATE.

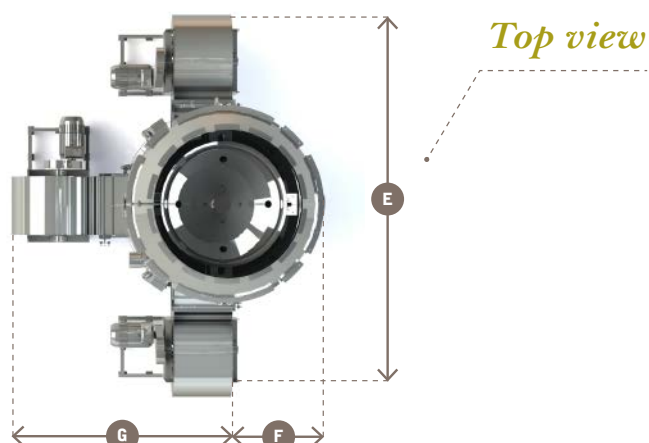
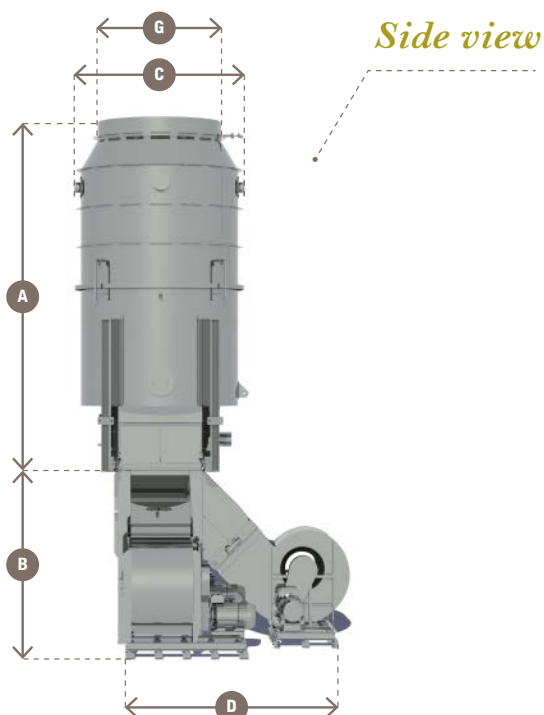
- ✓ **IMO-compliant** and **class approved**
- ✓ **100 % free flow possible**
- ✓ High excess air ensures a **low flame temperature** and therefore **low radiant heat** and **low NO_x emissions**
- ✓ **Zero methane slip**
- ✓ **Operational safety** thanks to the robustness and knowledge of our SAACKE team
- ✓ **Rainproof design** to prevent corrosion and wear of the GCU components, especially the burner and combustion chamber base
- ✓ **No wear and tear** of the combustion chamber: Stabilized combustion avoids flame contact with the walls, even in rough seas
- ✓ The inner lining of the combustion chamber gives the GCU **a cold and therefore strong structure**
- ✓ Controlled fuel / air ratio ensures **reliable combustion and low emissions**
- ✓ **Capacity:**
0.4 to 4.5 t/h for methane



Green solution

Zero methane emissions
even with nitrogen-rich
gas compositions thanks to
SAACKE support burners

DIMENSIONS GCU SERIES



Please send your inquiry to:

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GCU-projects@saacke.com

Burner dimensions

Model	A in mm	B in mm	C in mm	C1 in mm	D in mm	E in mm	F in mm	G in mm	Weight in kg
GCU 40	7,400	2,850	2,300	1,320	2,900	5,800	1,380	2,000	30,000
GCU 100	7,700	2,850	3,100	2,020	3,100	6,200	1,800	3,300	32,000
GCU 260	11,200	4,470	4,450	3,220	4,980	9,850	2,230	4,965	33,500
GCU 360	9,700	5,610	5,030	3,820	5,150	10,130	2,520	5,150	40,000
GCU 450	9,910	5,690	5,440	4,220	5,610	11,240	2,680	5,610	46,000

Burner data*

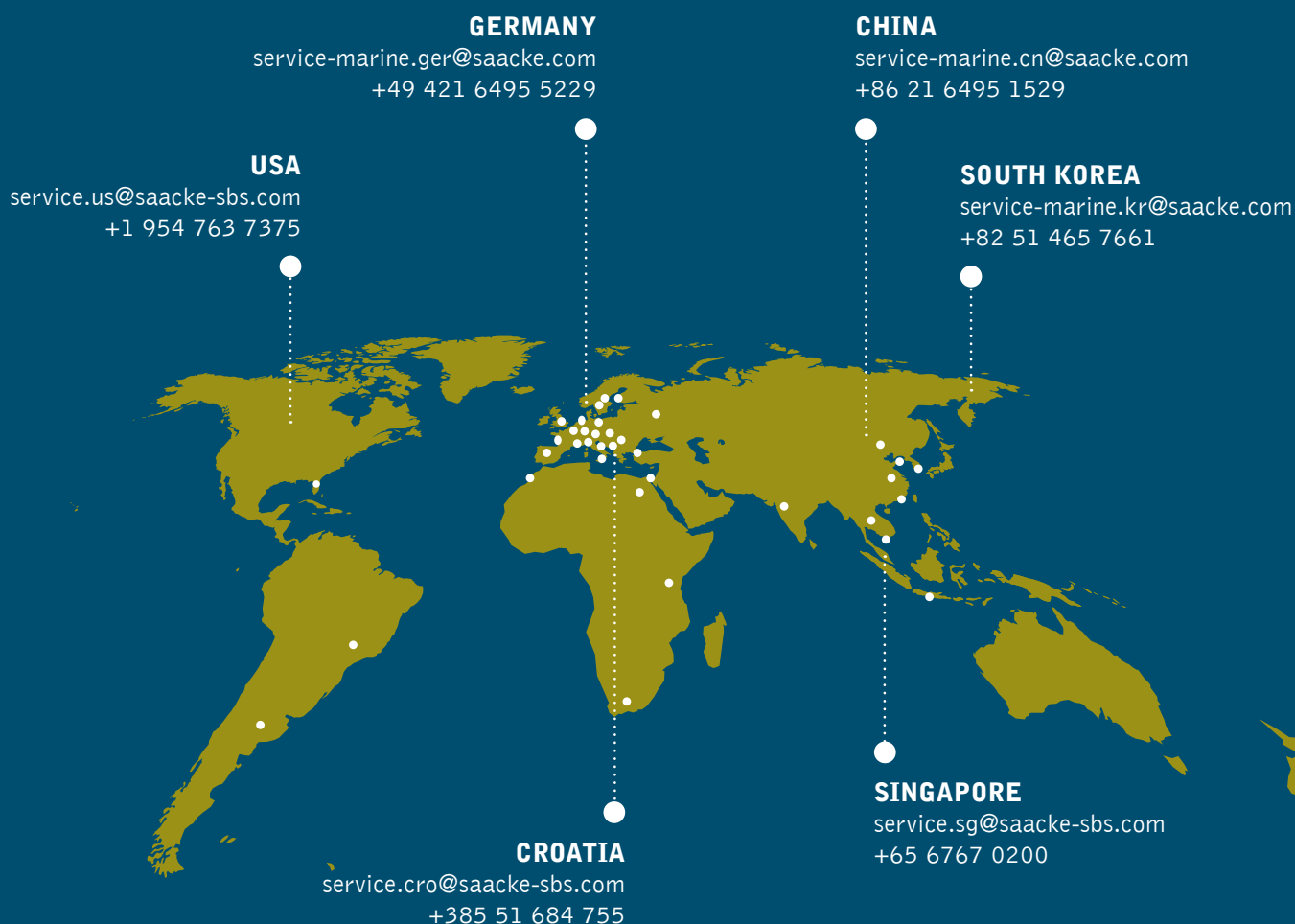
Model	Boil-off gas in t/h	P in MW	Flue gas temp in °C	Flue gas flow in Nm³/h
GCU 40	0.4	5.5	450	38,200
GCU 100	1	13.8	450	95,500
GCU 260	2.6	36	450	248,300
GCU 360	3.6	49.9	450	343,800
GCU 450	4.5	62.3	450	429,800

*Burner data for LNG. Other gases and sizes are possible, just ask us.

OUR SERVICE COMPASS

YOUR WORLDWIDE BACKUP.

We are your first point of contact with 24-hour service. SAACKE provides support for all types of burner and automation challenges, upgrades or retrofit projects from **strategically located service centers around the world.**



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Our 24/7 support

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