

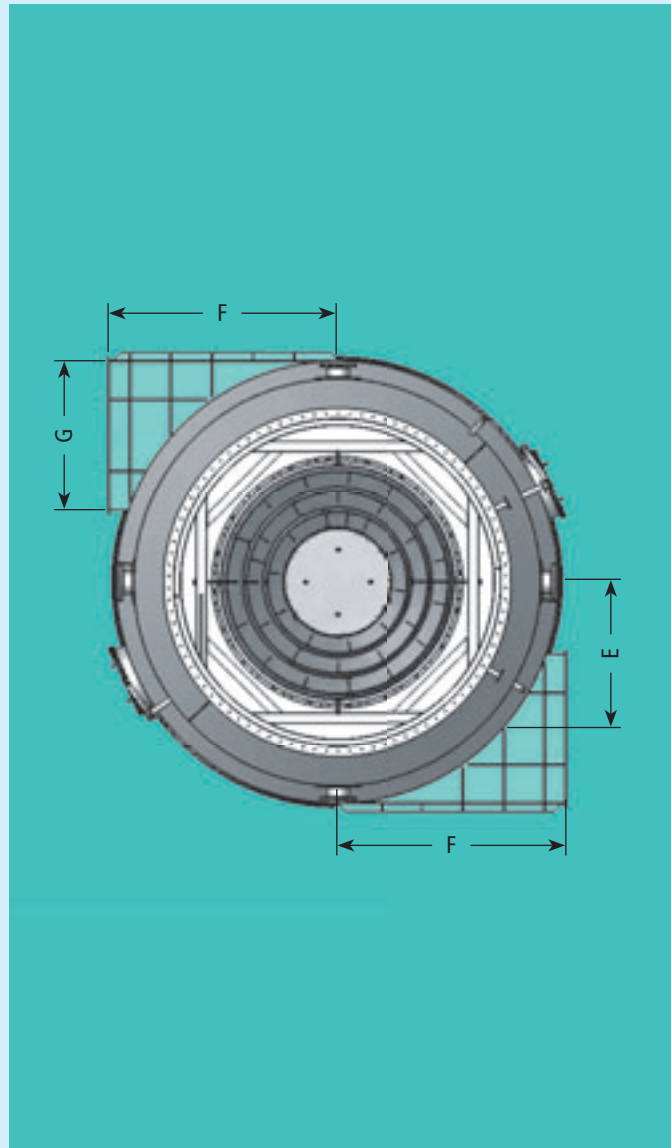
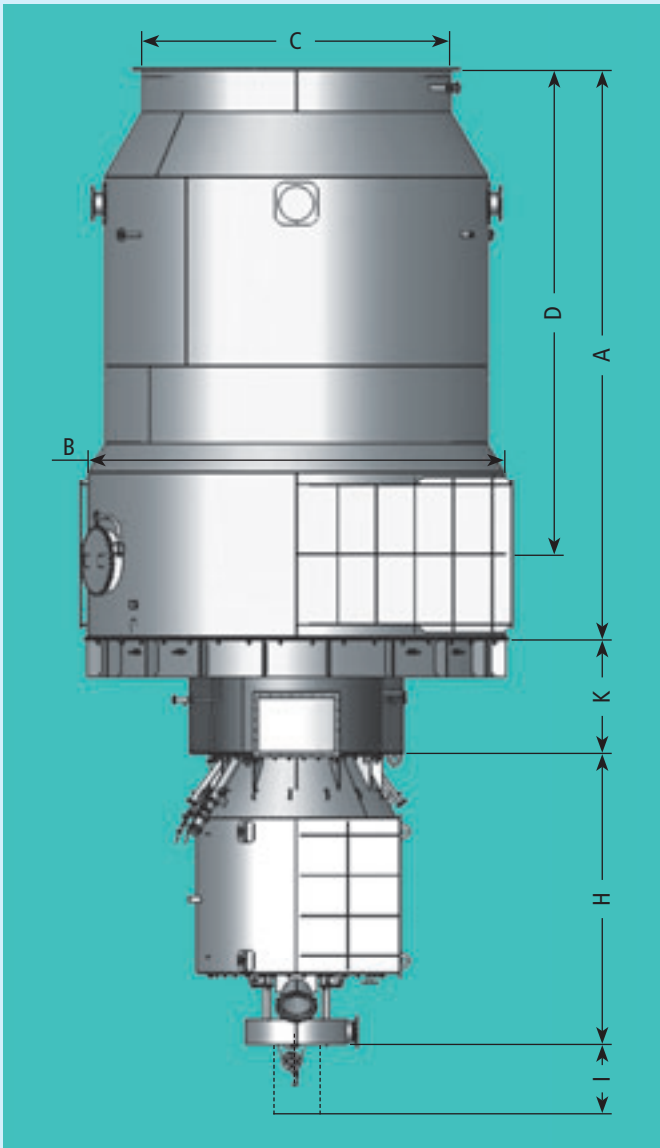
SAACKE GCU
State of the art combustion
technology for LNGC

Capacity

0.5 - 6.5 t/h methane
(other sizes on demand)

Design Features

- With its special design, the GCU combines all advantages of economic, operationally reliable and environmentally friendly combustion on sea. Its most characteristic features are:
- Rain-proof design to improve corrosion resistance and to avoid wearing of the GCU components, especially the burner and the combustion chamber bottom
 - The inner lining in the combustion chamber provides a cold and therefore strong structure of the GCU
 - High air excess (120%) provides low flame temperature for low heat radiation and low NO_x emissions
 - No flame touching of the combustion chamber wall if the ship is rolling in heavy sea and therefore no wearing or damaging of the combustion chamber
 - Vertical and horizontal installation is possible
 - No belt driven fans for low maintenance cost
 - Oil pilot burner for unlimited continuous operation if required during special circumstances
 - Controlled fuel air ratio for safe combustion and low emissions
 - For maintenance it is possible to remove or replace inner parts like combustion chamber and burner via funnel
 - Gap between combustion chamber and outershell is accessible



Dimensions*	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	K mm	Weight** approx.kg
GCU 300	6100	2900	2600	5230	800	1650	1200	2200	2600	1300	36000
GCU 450	6900	4880	3620	5310	1530	2800	1800	3150	4000	1400	40000
GCU 550	7400	5400	4010	6310	1790	2800	1800	3800	5000	1500	46000
GCU 650	7850	5900	4410	6580	2000	3100	1800	3800	5000	1500	50000

* details and other sizes on demand

** including insulation

Technical Data*	Boil off gas (100%CH ₄) t/h	P MW	Flue gas temperature °C	Flue gas flow m ³ N/s
GCU 300	3.0	41.52	450	76.30
GCU 450	4.5	62.29	450	114.50
GCU 550	5.5	76.13	450	145.00
GCU 650	6.5	90.00	450	165.40

* details and other sizes on demand