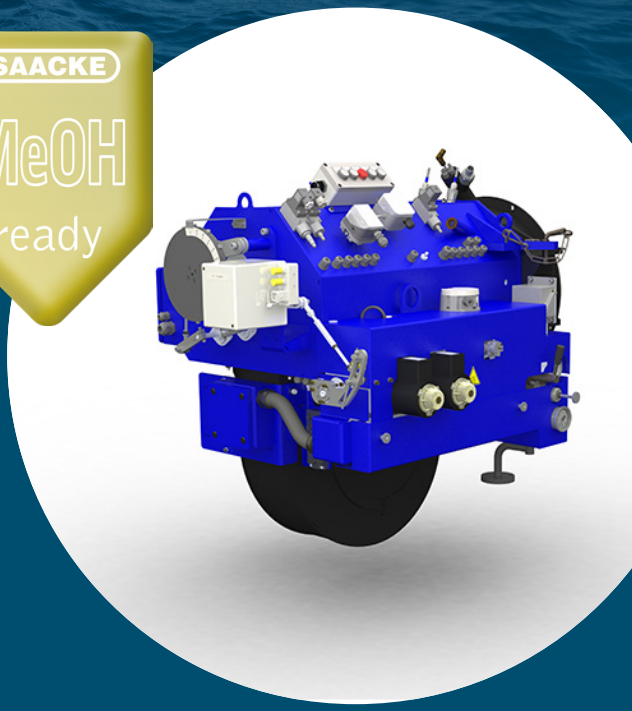
TECHNICAL DATASHEET

SAACKE
Better Life Energy



LNG carriers, dry cargo ships, passenger ships, tankers

THE ALLROUNDER: SKVJG-M.

Reliable operation of the combustion system is an important basis for the financial success of shipowners. The further development of SAACKE's **proven rotary cup technology offers a reliable solution:** The SKVJG-M. This burner allows the use of liquid fuels as well as gaseous fuels and biofuels, which are common in the shipping industry.

The larger control range of the rotary cup compared to other technologies increases the maximum efficiency of the combustion system. Depending on the fuel, the SKVJG-M is available as a pure liquid fuel burner or as a combination burner for gaseous and liquid fuels.

Simultaneous operation of liquid fuel and gas for thermal utilisation of excess residue during gas release and gas up, as well as direct thermal utilisation of boil-off gas, is possible. Green methanol is now a well-known fuel for reducing carbon emissions. The SKVJG-M is also available for methanol and other alternative fuels.

ROBUST AND PROFITABLE BURNER.

The SKVJG-M is **easy to install, operate and maintain,** making it a durable and profitable investment for new installations or retrofits.

In addition, the burner has a sophisticated safety concept. The mechanical fuel/air ratio control allows emergency operation even if the automatic burner control fails.

Application area
Marine boiler plants and systems such as horizontal flame-tube boilers or vertical boilers or vertical ship boilers

Capacity
0.81 – 6.8 MW

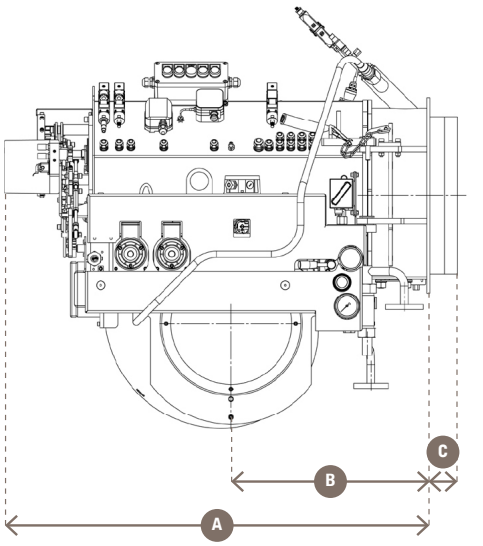
Fuels
Heavy fuel oil up to 700 cSt at 50°C, marine diesel oil (MDO), marine gas oil (MGO), natural gas, LPG and LNG (in gas phase), methanol, biofuel

Control range
(max.) 1:7 (depending on size)
1:3 (in methanol mode)

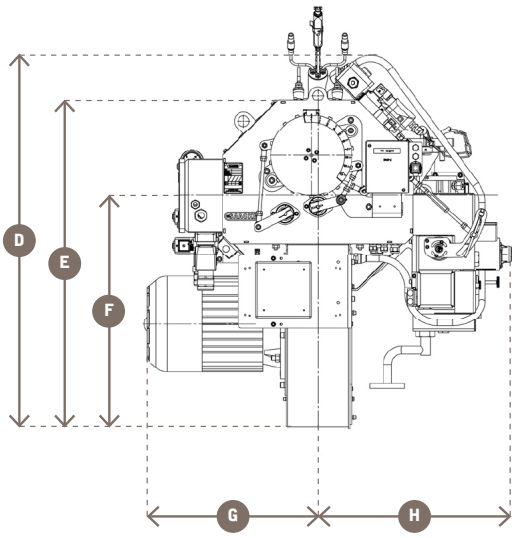
- **Compact and robust** monoblock rotary cup burner, based on rotary cup technology with optional gas combustion and methanol
- **Efficient mixed combustion** of oil and gas possible
- **Wide range** of fuels possible, including biofuels
- **Safe emergency operation** due to mechanical compound control of the air and oil actuator
- Integrated preheaters allow a **lower oil temperature** at the burner inlet
- Gas and methanol operation can be **easily added to retrofits**
- **Easy installation, operation** and **maintenance**
- Seperate fuel lines up to fuel distributor – this **prevents unintended fuel mixture**

DIMENSIONS

Side view



Rear view



Burner dimensions

Model	A in mm	B in mm	C in mm	D in mm	E in mm	F in mm	G in mm	H in mm
SKVJG-M 8 / 10 / 14	1,170	545	80	1,020	900	640	515	530
SKVJG-M 18 / 24 / 26	1,170	545	80	1,020	900	640	515	530
SKVJG-M 28	1,230	560	80	1,350	1,245	895	700	550
SKVJG-M 36 / 46	1,230	560	80	1,350	1,245	895	700	550
SKVJG-M 58	1,230	560	80	1,350	1,245	895	700	550

Burner data

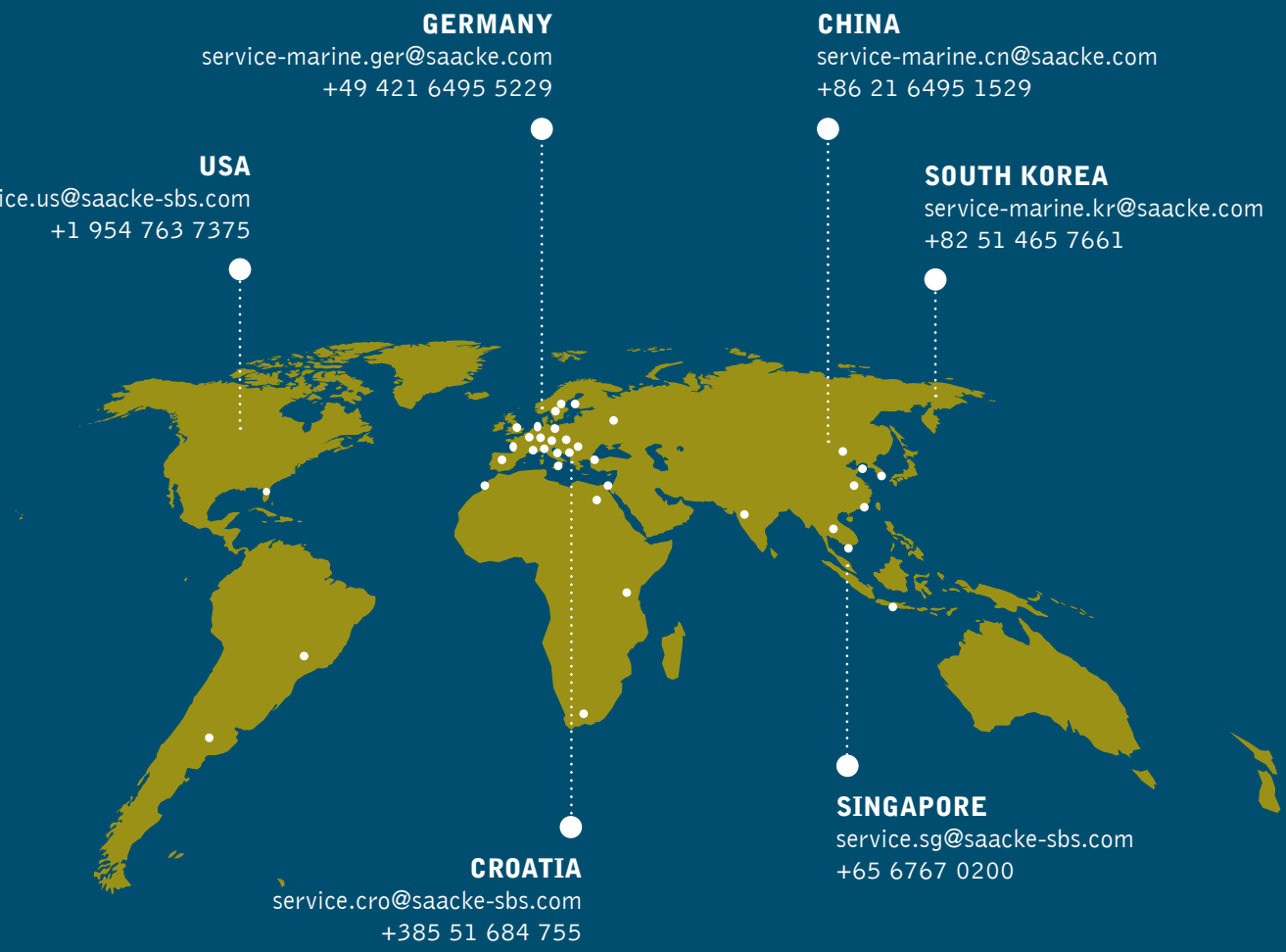
Model	**MW** max. MGO / LNG	**MW** max. MeOH	**Nominal size** gas elbow	**Burner Weight** in kg
SKVJG-M 8 / 10 / 14	0.95 / 1.3 / 1.7	0.81	DN50	450
SKVJG-M 18 / 24 / 26	2.1 / 2.7 / 3.0	0.97 / 1.29	DN50	450
SKVJG-M 28	3.4	1.6	DN80	590
SKVJG-M 36 / 46	4.3 / 5.4	2.0 / 2.4	DN80	600
SKVJG-M 58	6.8	3.2	DN80	620

SAACKE

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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