

Energy and heat supply

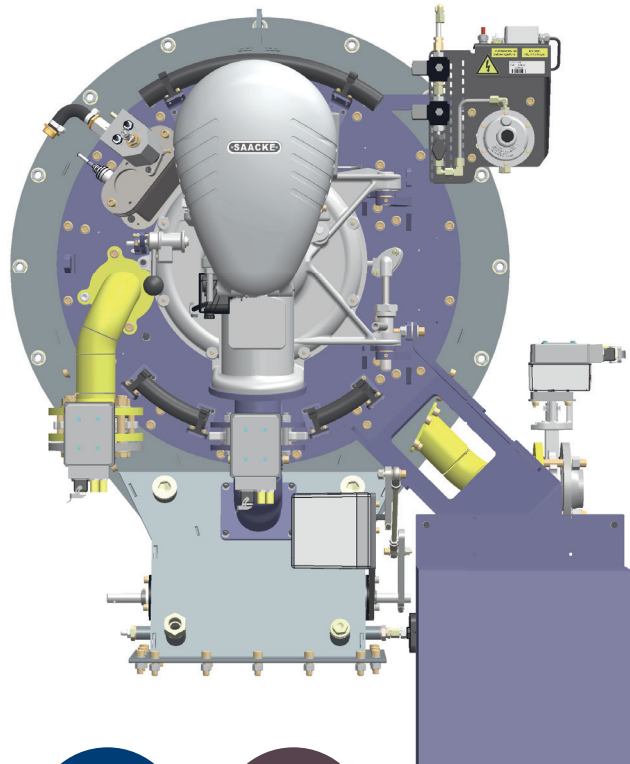
Chemical industry

Food industry

Steel and metal production

Building materials industry

Wood processing



clean

efficient

reliable

ROTARY ATOMIZER ROTONOX GL

The ROTONOX GL is available in three different temperature gradations up to a maximum combustion air temperature of 300 °C. The optional second gas ring enables the combustion of two different gases.

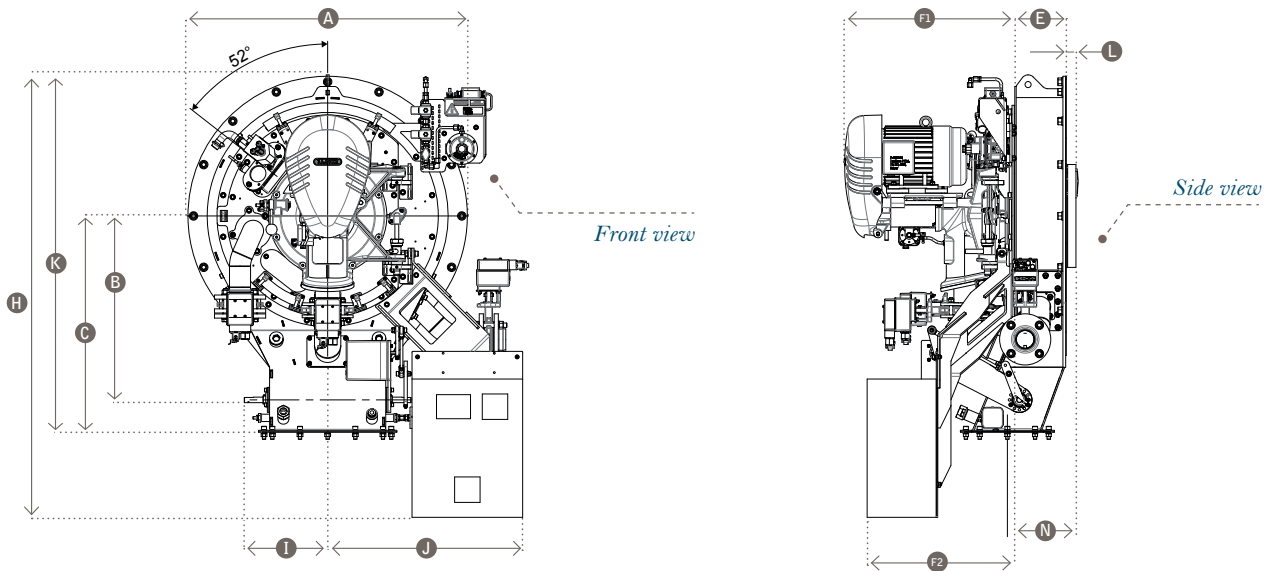
Size	Gas / fuel oil extra light		Max. control range
	\dot{Q}_{\min} (in MW)	\dot{Q}_{\min} (in MW)	
18.03	0.45	1.7	1:3.5
25.03	0.57	2.3	1:4
35.03	0.57	3.4	1:5.5
50.03	0.68	4.5	1:6.5
70.01	0.74	5.7	1:7.5
100.01	1.1	6.8	1:6
100.03	1.1	9.1	1:7.5
140.01	1.4	11.5	1:8
140.02	1.8	12.5	1:8
200.03	1.8	17.0	1:8
280.01	2.1	20.4	1:8
280.02	2.3	22.6	1:8
280.03	2.9	28.3	1:8
400.02	3.5	33.9	1:8
400.03	4.1	39.6	1:8
560.03	4.7	45.3	1:8

Technical data: ROTONOX GL

Applications	Shell boiler as a three-pass boiler, water tube boilers, thermal oil heaters, hot gas generators / combustion chambers
Fuels	Natural gas, liquid gas, hydrogen, biogas, fuel oil extra light, fuel oil heavy, bio oil, animal fat, special oils and other alternative fuels
Ignition systems	Gas-electric igniter: SAACKE ZGE 36b Hegwein ZA0 120 kW Hegwein ZDA0 120 kW (for continuous ignition suitable) Light oil igniter: SAACKE ZLE 52c
Flame monitoring systems	SAACKE FLUS 06 UV / FLS 09 UV Lamtec F 200K
Emissions*	≤ 100 to ≤ 150 mg/m ³ in gas operation ≤ 200 to ≤ 250 mg/m ³ in light oil operation

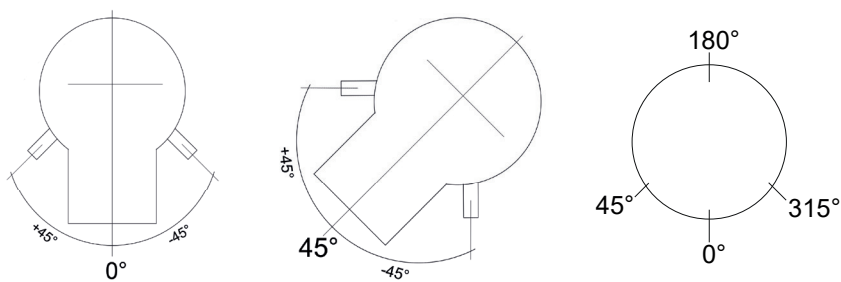
* Depending on the medium temperature, furnace geometry, combustion air temperature and equipment. Based on 3 % O₂ in dry exhaust gas. Depending on application additional NO_x-reducing measures possible or necessary.

Burner dimensions ROTONOX GL



Size	Dimensions in mm												Weight in kg
	A	B	C	E	F1	F2	H	I	J	K	L	N	
18 to 70	1010	665	782	186	617	534	1600	302	705	1292	35	248	380
100 to 200	1470	880	985	255	785	715	2000	504	955	1720	35	282	700

Position and arrangement of air and fuel inlets



	Possible entry positions
Air	0°, 45°, 180°, 315° For other positions, please contact the SIS business unit at the company headquarters in Bremen (basic requirement: inlet position must be divisible by 22.5).
Main fuel gas	0
Additional gas connection	Position air inlet ± 45°
Main fuel oil	Variable

For orders and inquiries

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