



Schröter

Schröter

Schröter

Schröter



SMOKjet®

> Whether smoking is mild or strong – different products require different smoke intensities. Therefore Schröter offers four systems for hot and cold smoking in the SMOKjet® product range: glow smoke generators for chips and saw dust, steam and friction smoke generators, and liquid smoke devices. In addition, glow and steam smoke generators produce small exhaust air volumes, which can economically be cleaned by means of exhaust-air cleaning systems. By contrast, friction smoke generators have the advantage of circulatory operation, and liquid smoke systems develop smoke by means of vaporizing compressed air in closed systems.

EXQUISITE SMOKE FLAVOR

TASTE AND INTENSITY ARE THE FOREMOST FACTORS TO TAKE INTO CONSIDERATION WHEN CHOOSING A SMOKE GENERATION PROCESS. BESIDES THIS, THE CHOICE INVOLVES THE SELECTION OF A SUITABLE AND EFFICIENT EXHAUST AIR CLEANING SYSTEM.

GLOW SMOKE GENERATORS are closely related to the traditional generation of smoke by means of glowing wood shavings, and they either use wood chips or saw dust. The latter produces a milder smoke. It is generated by glowing wood shavings at temperatures of 400 to 700 degrees Celsius on a heated burner plate. The smoke and conveying air mix together and are fed into the system through the smoke outlet and smoke pipe.

The **FRICTION SMOKE GENERATOR** produces a smoke taste of medium intensity. In this procedure, a wooden rod is pressed against a rotating friction wheel to produce the smoke. The wooden rod is pressed against the wheel pneumatically via a stainless-steel chain. The smoke generator has a magazine of up to five wooden rods.

In the **STEAM SMOKE GENERATOR**, the substances in the wood chips are extracted using superheated steam. The smoke flavor is medium to strong. A mixture of steam and air is heated to a temperature between 360 to 450 degrees Celsius and is then pressed through continuously conveyed wood chips. Special advantages: Steam smoke has a constant intensity, is transmitted through condensation, and thereby reduces weight loss of the products.

LIQUID SMOKE SYSTEMS are suitable for use with all common brands of liquid smoke worldwide. In this procedure, a liquid, undiluted smoke concentrate is vaporized into the processing room with compressed air. The smoke flavor is medium to strong, depending on the recipe. Plus point for both the liquid and the friction smoke procedure: Scrubbing of the exhaust air is not required, since a flap covering the exhaust air outlet keeps the system closed during smoking.

- 01 SMOKjet® RD
steam smoke generator
- 02 SMOKjet® RS
sawdust smoke generator
- 03 SMOKjet® RH
woodchip smoke generator





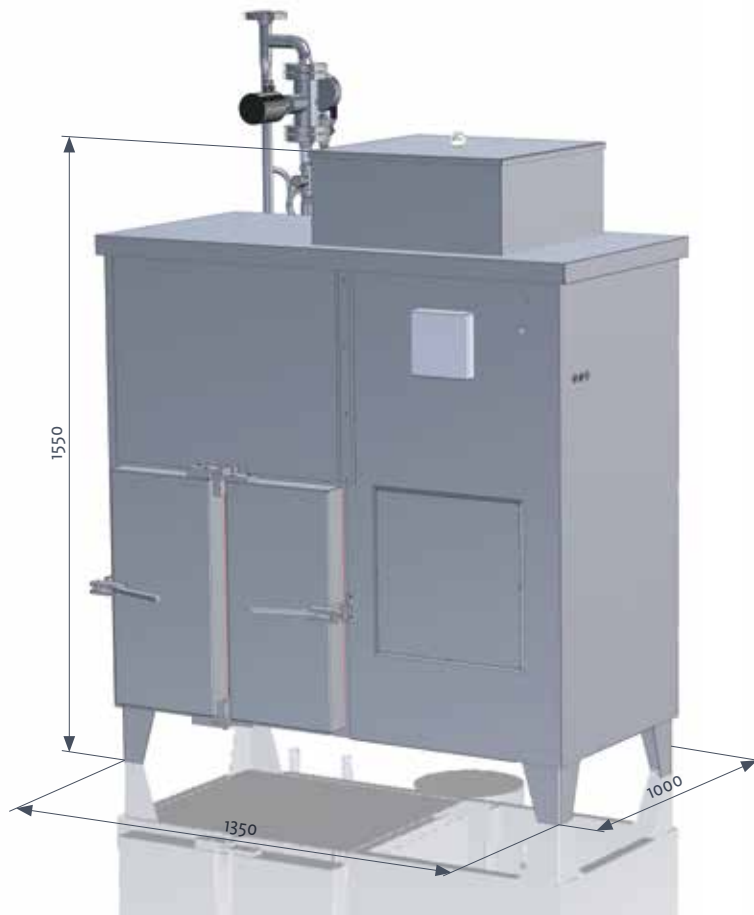
SMOKjet®

AN OVERVIEW OF SMOKjet®

IN ITS SMOKjet® RANGE, SCHRÖTER OFFERS A VARIETY OF SOLUTIONS FOR GENERATING SMOKE. THE 3-D VISUALIZATIONS ILLUSTRATE FOUR MODELS.

**3-D VISUALIZATION:
SMOKjet® RD STEAM SMOKE GENERATOR**

The connected loads can be found in the Technical Details chapter on page 95.

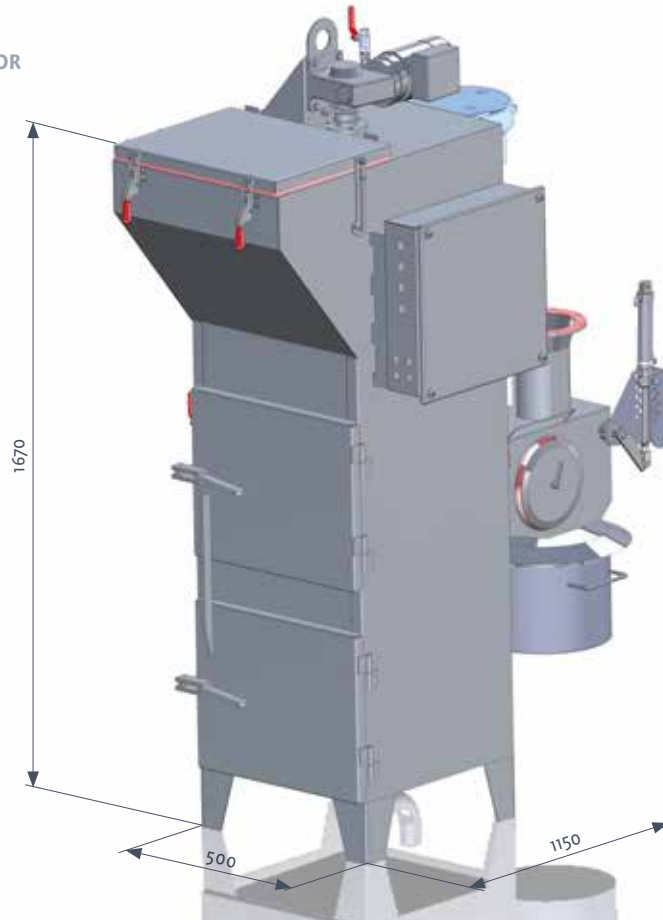


**3-D VISUALIZATION:
SMOKjet® RL LIQUID SMOKE SYSTEM**

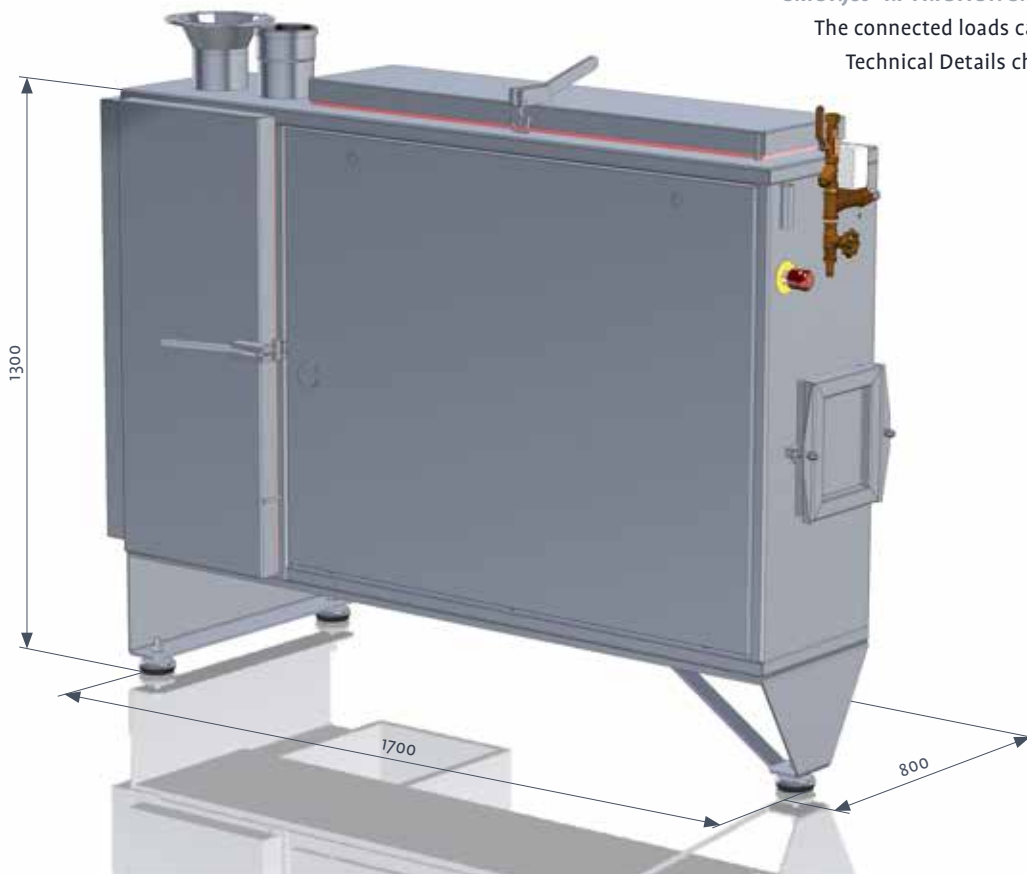
The connected loads can be found in the Technical Details chapter on page 95.



3-D VISUALIZATION:
SMOKjet® RH/RS 09 GLOW SMOKE GENERATOR
The connected loads can be found in the
Technical Details chapter on page 94.



3-D VISUALIZATION:
SMOKjet® RF FRICTION SMOKE GENERATOR
The connected loads can be found in the
Technical Details chapter on page 94.







TECHNICAL DETAILS

> Sophisticated Schröter systems feature exceptional details and first-class workmanship and are manufactured using high-quality materials. We adapt every system and its equipment down to the smallest component to meet the customer's individual requirements. Even accessories such as smoking, cooking, and baking trolleys and frames for material-handling equipment are customized in line with your specific needs. The following pages contain all the dimensions and connected loads of our systems (hot smoking, cooking, baking, intensive chilling, smoke, climatic cold-smoking and climatic post-maturing, as well as cooking kettles and exhaust purification systems).

CLIMAJet® KR AND CLIMAJet® NR: CLIMATIC SYSTEMS

CLIMATIC COLD-SMOKING SYSTEMS			
CONNECTED LOADS			
Wagons	Electricity kW	Heating kW	Chilling kW
4	3	9	7
6	4	12	10
8	6	15	12
10	6	18	14
12	6	22	18
14	8	26	20
16	8	30	22
18	10	34	25
21	10	40	30
24	12	45	34
27	12	52	39
30	16	55	42
33	16	63	47
36	19	65	50
39	19	74	54
42	19	78	58
45	23	84	62
51	23	95	70
60	30	110	85

CLIMATIC POST-MATURING SYSTEMS			
CONNECTED LOADS			
Room size qm	Electricity kW	Heating kW	Chilling kW
20	2	5	7
40	3	10	14
60	3	14	20
80	4	18	25
100	8	20	30
125	8	28	40
150	10	32	45
175	11	40	55
200	15	45	60
250	15	55	75
300	19	65	90
350	22	75	105
400	30	85	120
450	30	95	135
500	37	105	150
550	37	115	165
600	37	125	180
700	55	145	210
800	55	170	240

SMOKjet® RH/RS, RF: GLOW AND FRICTION SMOKE GENERATORS

SMOKjet® RH/RS (GLOW SMOKE GENERATORS)		
CONNECTED LOADS		
Electricity	230/400 V, 50 Hz	1.5 kW
Heating	Electricity	0.5 kW
Extinguisher	Cold water DN 10 3 bar	10 l/min
Cleaning	Cold water DN 25	60 l/min
Control	Compressed air DN 10 6 bar	5 l/min
Ambient air	Taken from room	100 m³/h
Consumption	Chip size 2-16	5.5 kg/h

SMOKjet® RF (FRICTION SMOKE GENERATORS)		
CONNECTED LOADS		
Electricity	230/400 V, 50 Hz	9.5 kW
Extinguisher	Cold water DN 10 3 bar	
Cleaning	Cold water DN 10	
Control	Compressed air DN 10 6 bar	15 l/min
Consumption	100 x 100 x 980 mm	75 cm/h
Friction wheel service life		300-500 h
Smoke process	30 s friction, 20 s break	

SMOKjet® RD AND RL: STEAM AND LIQUID SMOKE GENERATORS

SMOKjet® RD (STEAM SMOKE GENERATORS)		
CONNECTED LOADS		
Electricity	230/400 V, 50 Hz	11 kW
Heating	Electricity	9 kW
Steam	ND-Steam DN 25 0.3-0.5 bar	30 kg/h
Condensate	Discharged to atmosphere	
Cleaning	Cold water DN 25	60 l/min
Control	Compressed air DN 10 6 bar	5 l/min
Consumption	Chip size 1-4 (1-8)	8 kg/h

SMOKjet® RL (LIQUID SMOKE SYSTEMS)		
CONNECTED LOADS		
Electricity	230 V, 50 Hz	0.2 kW
Atomization	Compressed air DN 10 6 bar	150 l/min
Consumption	Liquid smoke per nozzle	3-4 l/h

CLEENjet®: THERMAL EXHAUST PURIFICATION SYSTEMS (TNV)

CLEENjet® TNV											
TNV	DIMENSIONS				CONNECTED LOADS						
	Diameter mm	Length mm	Electricity kW	Weight kg	Power kW**	Gas burner		Oil burner		WRG	Electricity
						Type	kW	Type	kW	kW	kW
300	1000	2950	3	700	70	WG 20	35-200	WL 20	55-130	22	0.4
600	1000	3450	3	1150	140	WG 30	60-350	WL 30	72-215	43	0.4
900	1250	4000	4	1575	210	WG 30	60-350	WL 30	72-215	65	1.1
1200	1250	4450	4.5	1875	280	WG 30	60-350	WL 30	72-215	87	1.1
1500	1250	4950	4.5	2175	350	WG 40	80-550	WL 30	72-215	108	1.7
2000	1400	5160	7	2700	470	WG 40	80-550	WL 40	120-355	145	2.2
3000	1400	5160	7	2850	700	WM-G 20	100-940	WM-L 20	190-775	217	4.5
4000	1900	4680*	8	3500	1275	WM-G 20	150-1750	WM-L 20	300-1190	289	7.5
5000	1900	5120*	8	4000	1600	WM-G 20	150-1750	WM-L 20	570-1965	361	7.5

* Without integrated crude gas preheater. | ** These values are approximate and based on the precise local conditions.