



# Internal smoke generators

## Friction smoke

The smoke is generated by pressing a **hard log** against a specially designed friction wheel. A long life time of the wheel is ensured. The smoke generation process guarantees constant low smoking temperatures.

The benzopyrene content is very low.

The patented proportional controls (contact pressure regulation) ensures a steady smoke density. It is reasonable to perform the smoking process with friction smoke in a closed (hermetic) system. The system therefore does not produce any exhaust emissions during the smoking process.

Additional smoke flavours can be added with the optional wood chip cartridge.

## Smouldering smoke

The smoke is generated by smouldering **wood chips** in controlled conditions. The smoke generation process with smouldering air control guarantees constant smoke generation temperatures.

The benzopyrene content is thus low.

Controlled wood chip supply and smouldering air control ensure a steady smoke density. Smoking can be performed in exhaust smoke reduced operation. The system therefore produces very low exhaust emissions during the smoking process.

## LiquidSmoke

The smoke is generated by spraying **liquid smoke**. The manufacturing process guarantees a minimum benzopyrene content.

Very fine spraying via two-component nozzles ensures a steady smoke density. Short process times are achieved by rapid colouring. It is reasonable to perform the smoking process with liquid smoke in a closed (hermetic) system. The system does not produce any exhaust emissions during the smoking process.

A wide range of flavourings can be achieved with various Liquid Smoke products.

## Internal smoke generators

### Friction smoke

Sizes	5,0	7,5	12,0
Weight (kg)	350	400	450
Total electrical power output (kW)	5,0	7,5	12,0
Storage volume (number of items)	4	4	3-4
Wood consumption (kW/h)	0,5 -3,0	3,0 -5,0	5,0 -8,0
Smouldering smoke woodchip cartridge	opt.	opt.	
Automatic cleaning	smoke generator and pipes		
System size (number of trolleys)	1-3	4-6	4-12
Security device	proportional controls		
Wood specification	knot-free hardwood		
Standard wood dimensions (in cm)	8 x 8	x	
	8 x 10		x
	10 x 10		x
	10 x 12		x
	12 x 12		x

### Smouldering smoke

Sizes	1	2	3
Weight (kg)	200	270	300
Total electrical power output (kW)	0,5	1,5	1,5
Storage volume (litre)	~20	~60	~80
Wood consumption (kW/h)	0,5 -1,0	2,0 -3,0	6,0 -8,0
Automatic cleaning	smoke generator and pipes		
System size (number of trolleys)	1	2-3	4-6
Security device	overtemperature protection		
Wood specification (other types of wood possible as well)	beechwood, class 2/16		

### LiquidSmoke

Sizes	TG1100
Weight (kg)	200
Total electrical power output (kW)	1
Storage volume (litre)	20
Liquid consumption (kg/h)	0,2-2,0
Automatic cleaning	smoke generator and pipes
System size (number of trolleys)	1-6
Security device	not required
Liquid specification	Red Arrow recommendation