

Internal smoke generators

The space-optimized solution for generating smoke



Friction smoke

The smoke is generated by pressing a hard log against a specially designed friction wheel. The special surface coating on the wheel ensures a long life time.

The smoke generation process guarantees constant low smoking temperatures. The PAH-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 produces hardly any exhaust emissions during the smoking process.

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 PAH-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.

Liquid smoke

The smoke is generated by spraying liquid smoke. The manufacturing process guarantees a minimum PAH-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.

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
Automatic cleaning	smoke generator and pipes		
System size (number of trolleys)	1-3	3-6	4-12
Security device	proportional controls		
Wood specification	knot-free hardwood		
Standard wood dimensions (in cm)	8x8	x	
	8x10		x
	10x10		x
	10x12		x
	12x12		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		

Liquid smoke



Sizes	TG1100
Weight (kg)	100
Total electrical power output (kW)	1
Storage volume (litre)	10-20
Liquid consumption (kg/h)	0,2-2,0
Automatic cleaning	system
System size (number of trolleys)	1-6
Security device	not required
Liquid specification	Red Arrow recommendation