



Générateur externes de fumée (REZe)



Goliath F (fumée par friction)

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 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.



Goliath CW (fumée par combustion de copeaux)

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.

External smoke generators



Goliath 1 et Goliath 2 (fumée par combustion de sciure)

The smoke is generated by smouldering **sawdust** in controlled conditions. The smoke generation process with smouldering air control guarantees constant smoke generation temperatures. The PAH-content is thus low.

Controlled sawdust 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.



Goliath S (fumée de vapeur)

The smoke is generated by smouldering wood chips in controlled conditions with the addition of compressed air and **low pressure saturated steam**.

The smoke generation process guarantees constant smoke generation temperatures. The PAH-content is thus low.

Controlled wood chip transport as well as the injection of steam and compressed air ensure a steady smoke density. Short smoking times are achieved by high humidity thanks to the addition of steam. Smoking can be performed in exhaust smoke reduced operation. The system therefore produces very low exhaust emissions during the smoking process.



Goliath L (fumée liquide)

la fumée est engendrée par atomisation de fumées liquides.

La spécificité de cette technique de production garantit un très faible taux de benzopyrènes. Grâce à la brumisation par injecteurs binaires, la fumée obtenue présente une densité stable. la coloration rapide du produit permet d'écourter les cycles de fumage. Le générateur à fumée liquide convient au fumage en circuit fermé, suite à quoi l'installation accuse un minimum de rejets au cours du processus. Une large gamme de saveurs peut être obtenue avec divers produits de fumée liquide.

Modèles	Goliath F			Goliath CW	Goliath 1	Goliath 2	Goliath S	Goliath L	
								TG 1100 / 3000	TG 1200 / 4000
Poids (kg)	350	400	450	300	350	300	400	100	150
Connexion totale EL (kW)	5,0	7,5	12,0	2,5	2,3	2,3	9,0	1,0	
Volume de réserve	4 pcs.	4 pcs.	3-4 pcs.	240 litres	200 litres	140 litres	110 litres	20-40 litres	
Consommation de liquide (kg/h)								0,2-2,0	0,4-4,0
Wood consumption (kg/h)	0,5 -3,0	3,0 -5,0	5,0 -8,0	8,0-10,0		4,0-8,0	4,0-10,0		
Nettoyage automatique	Générateur de fumée + tubes			Générateur de fumée + tubes		tubes	Générateur de fumée + tubes	système	
Grandeur de l'installation (HR/ Climat)	1-3 / 1-15	3-6 / 15-30	4-12 / 30-50	1-12 /-50	4-12 /-50	1-6 /-12	1-12 /-	1-6 /6-12	2x1-6 /6-12
Dispositif de sécurité	Pilote proportionnel Verrouillage des portes			protection contre la surchauffe zone de combustion lente régulation de la température dispositif d'extinction d'incendie sans courant		protection contre la surchauffe dispositif d'extinction d'incendie sans courant		Supervision ND	Non requis
Spécification du bois	Bois dur sans nœuds			Bois de hêtre, class 2/16 (d'autres essences de bois possibles)		Bois de hêtre, granulométrie 0.1-3 mm (d'autres essences de bois possibles)		Bois de hêtre, granulométrie 2-3 mm	
Spécification du liquide	Red Arrow recommendation								
Dimensions Bois standard (en cm)	8 x 8	x							
	8 x 10		x						
	10 x 10			x					
	10 x 12				x				
	12 x 12					x			