

Features

HONEYROTOR[®] VOC concentration apparatus

Overview

Low-concentration gases emitted from automobile painting facilities are concentrated with our company's unique pretreatment and high-performance zeolite honeycomb for economical combustion treatment. We provide a HONEYROTOR[®] VOC concentration-combustion system that reduces VOC emissions from paint exhaust gas with energy conservation.

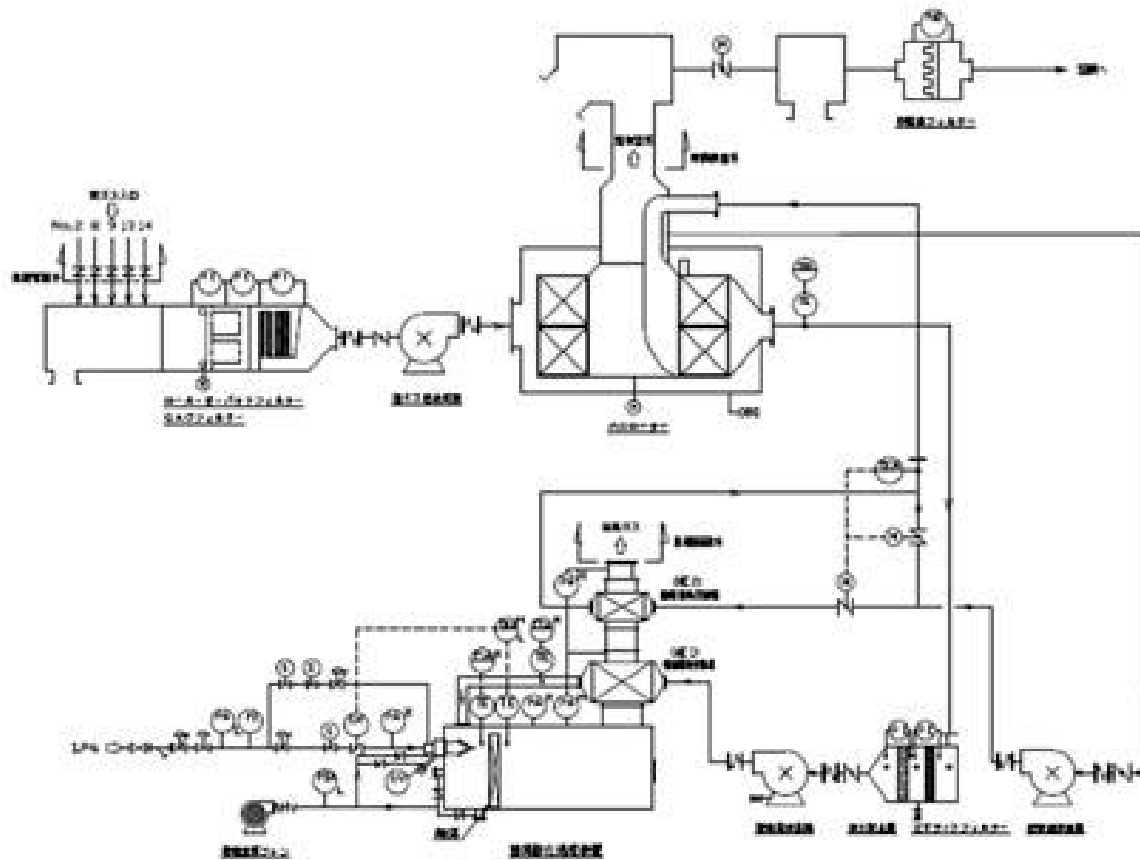
Paint mist pretreatment

By using our company's proprietary materials for the roll filter, we improve the efficiency of paint mist collection and reduce the cost of replacing the pretreatment filter required for paint mist treatment.

- By utilizing high-performance zeolite honeycomb blocks, it becomes possible to process typical paint exhaust gases at a concentration ratio of approximately 35 times, which, in turn, allows for downsizing of the subsequent combustion equipment.
- By adopting our company's unique cylinder-type concentration apparatus, replacing of the honeycomb and the maintainability is extremely easy.
- Used and aged honeycomb adsorbent may be reused by reprocessing it in our plant.

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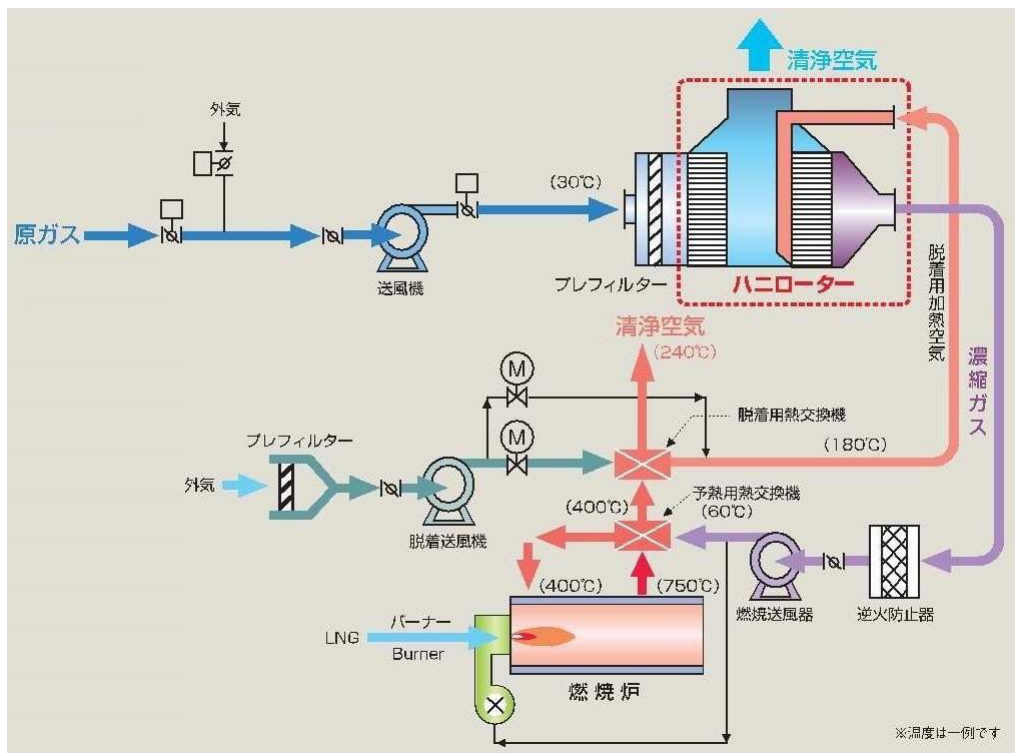
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● Excellent VOC removal performance

The use of honeycomb adsorbent, which contains a high percentage of activated carbon and zeolite adsorbent manufactured by our original manufacturing method, provides a high removal rate for a wide variety of VOCs.

● Energy saving operation

Due to its honeycomb structure, the pressure drop is low even at high speed with wind speed of 2 m/s, and the power is small. It can achieve a high concentration ratio of more than 20 times (concentration ratio = raw gas air volume/desorbed gas air volume), and the running cost can be greatly reduced by miniaturizing the combustion equipment and recovery apparatus.

● Easy maintenance

Uses a lightweight honeycomb block, enabling replacement of the honeycomb adsorbent without the need for heavy machinery.

● Honeycomb Adsorbent can be regenerated

Honeycomb Adsorbent can be reused by regenerating aging Honeycomb Adsorbent at our company Plant.

● Many Deliveries

Since 1975, we have delivered more than 350 units in various industries and applications, including cutting-edge fields. With over 35 years of extensive experience, we will continue to propose the most suitable apparatus for various needs.

Lineup

Concentration apparatus

Processing air volume (m ³ /min)	Types of VOC concentration apparatus	Type	Dimensions (m)			Approximate weight (t)
			L	W	H	T
50	HONEYROTOR (disc type)	HRD50	1.8	1.3	1.4	0.8
100	HONEYROTOR (disc type)	HRD100	1.9	1.6	1.8	1.0
150	HONEYROTOR (disc type)	HRD150	2.5	2.0	2.1	1.5
300	HONEYROTOR (Cylinder Type)	HRD300	3.1	2.3	1.9	2.0
500	HONEYROTOR (Cylinder Type)	HRD500	3.1	2.3	2.1	3.0
1000	HONEYROTOR (cylinder type)	HRD1000	4.0	3.0	2.1	4.4
1,500	HONEYROTOR (cylinder type)	HRD1500	4.0	3.0	2.9	7.5
2,000	HONEYROTOR (cylinder type)	HRD2000	4.0	3.0	3.6	10.0

Lineup

Concentration system

	Processing apparatus		Dimensions (mm)		
	HR Concentration apparatus (Nm ³ /min)	Direct combustion equipment (Nm ³ /min)	L	W	H
HR100-B6	100	6	10	1.8	1.8
HR200-B10	200	10	10	2.0	2.2
HR300-B16	300	16	10	2.6	2.7
HR600-B26	600	26	13	3.0	3.3
HR800-B40	800	40	14	3.0	4.0
HR1000-B60	1,000	60	16	3.6	4.0
HR1600-B76	1,600	76	17	4.6	4.6
HR2000-B100	2,000	100	20	7.0	6.0