

# THAI KYOWA KAKO CO.,LTD



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## BUSINESSLINE

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- AIR POLLUTION CONTROL SYSTEM & ENGINEERING CONSULTANCY
- EXHAUST GAS TREATING EQUIPMENT (SCRUBBER, FAN, PUMP)
- COIL ACID PICKLING LINE
- DUST COLLECTOR
- FRP & PVC PRODUCT
- FRP TANK & FPR LINING
- MAINTENANCE

## THAI KYOWA KAKO HYPER MULTI TYPE SCRUBBER

**HIGH QUALITY & LOW COST, READY MADE TYPE  
MULTIPLE USE EXHAUST / AIR-PURIFICATION DEVICE.**

**FOR ELECTRICAL, CHEMICAL, FOOD, PLATING, SEMI CONDUCTOR, WATER TREATMENT,  
LABORATORY DRAFT CHAMBER OR WASTE GAS etc.**

### ■ HYPER MULTI FSD TYPE SCRUBBER

PACKING WITH LARGE CONTACT AREA, FULL SPRAY NOZZLE FOR MORE EFFICIENT GAS REMOVAL.

#### 1) FRP COATED WITH GEL-COAT

The FRP features a beautifully finished gel-coat which is used in production.

#### 2) MAINTENANCE

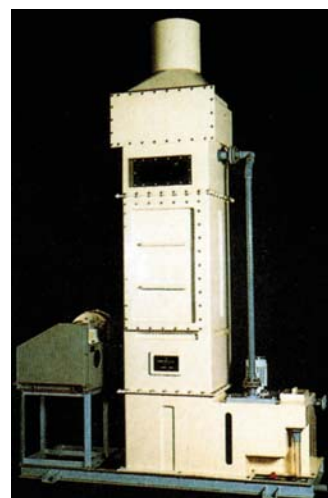
This Scrubber features an easily removable packing of large and square dimensions. The demister is a convenient cassette-type. Transparent manholes have been placed on either side of the spray nozzle for easy inspection and access. The circulation pump employs a PVC pump of maintenance-free VO-type. The tank also features an overflow pipe and a side window for checking interior levels.

#### 3) SINGLE COMPACT UNIT

Placement and installation is made easier thanks to the product's compact integration.

#### 4) COLORING

The color ivory was used due to its clean image.



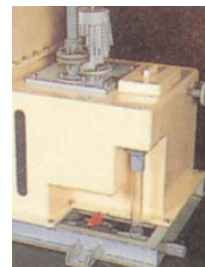
Standard model hyper – multi  
(Purpose) FSD – type Scrubber.



Fan employs PVC KS type.



The tank employs a large-scale  
inspection lid for easy maintenance.  
The water supply nozzle has two  
outlets and features one PVC ball-tap  
as standard.



The circulation pump employs a PVC  
pump of maintenance-free VO-type.  
The tank also features an overflow  
pipe and a side-window for checking  
interior levels.

### ■ FSD SCRUBBER

Components	■ Vertical packing tower (Circulation tank : whole unit)	■ Exhaust fan	■ Circulation pump	■ Common base
Component structure	■ Body : FRP ■ SUS304 : Bolt & Nut : Stainless stell	■ Packing : PVC ■ Fan : PVC	■ Pump : PVC	■ Common base : SS400
FRP – Color	■ Munsell Color 10 YR 9 / 3.5			
Motor	■ Outdoor use			
Capacity	■ 10 m <sup>3</sup> /min ~120m <sup>3</sup> /min			
External static pressure	■ 35-45mmH <sub>2</sub> O (pressure drop 20mmH <sub>2</sub> O)			
Max temperature tolerance	■ MAX 60°C			
Noise level	■ 65-75dB A (1.5m)			
Standard attachments	■ Water supply ball-tap x 1 (PVC), Chemical anchor x 4 (SUS304)			

\* Transportation : To enable ease of delivery, the unit is split into two parts – the body and upper shower section.

\* If, any case, of concentrated HF, CrO<sub>3</sub> gas or toxic / corrosive gases arise, please inform us.

We are manufacturing excellent quality of FRP products under license of KYOWA KAKO CO.,LTD. Who developed corrosion control technology over 30 years. We could supply various kind of FRP Product for your purpose.

## FRP TANK



### ■ MATERIAL&MAIN APPLICATION

RESIN	MAIN APPLICATION
VINYLESTER	Super corrosion resistance wide range Anti acid & alkali for HCl, NaOH Tank, Plant line.
BISPHEALIC	High corrosion resistance for $H_2SO_4$ , $HNO_3$ , $CrO_3$ , $NH_3$ , Tank, etc.
ISOPHTHALIC	General purpose For Water Tank, etc.



### ■ CHARACTERISTIC

- Excellent corrosion resistance
- Low initial cost
- Light weight
- Strength & durability
- Long life (Low maintenance cost)
- Vary range of design
- Easily installation
- After sales service



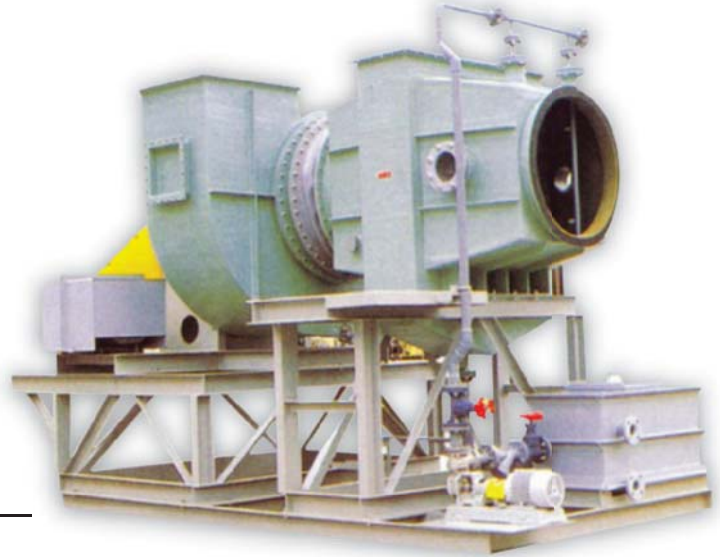
## ■ SCRUBBER



## ■ DUST COLLECTOR



## ■ MIST SEPARATOR



## ■ BLOWER



## ■ PUMP





## ■ FRP & PVC DUCT



## ■ COIL ACID PICKLING LINE



## PART FOR SCRUBBER



### ■ ELIMINATOR

SIZE : 500 mm x 1,000 mm x 200 mm.

MATERIAL : POLYVINYLCHORIDE (PVC)



### ■ VINYL LOCK FILTER

SIZE : 1,000 mm x 2,000 mm x 50 mm.

MATERIAL : POLYVINYLCHORIDE (PVDC)



### ■ SPRAY NOZZLE

TYPE : HOLLOW CONE, FULL CONE

MATERIAL : PP



### ■ PACKING MEDIA

MODEL : TKH 300, MODEL : TS-II, MODEL : TM

MATERIAL : POLYPROPYLENE (PP) COLOUR : BLACK

## MAINTENANCE

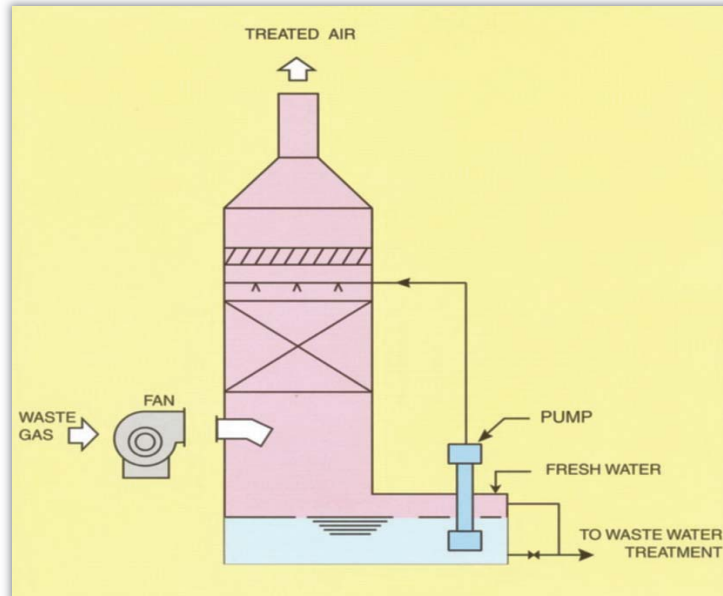




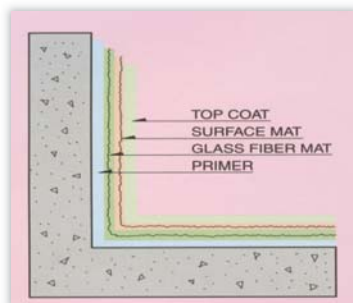
## WORKING PROCESS

AIR POLLUTION CONTROL  
SYSTEM ESPECIALLY  
CHEMICAL, ACID AND  
SMELL FOR YOUR PLANT.

- TREATED AIR
- PROTECT YOUR PRODUCTS
- GOOD HEALTH FOR STAFF
- CLEAN FACTORY
- RESPONSIBLE TO SOCIETY
- BETTER ENVIRONMENT



## FRP LINING



■ FRP LINING PROCESS



■ FRP LINING FOR WASTE  
WATER TREATMENT PLANT.

## LABORATORY





## **THAI KYOWA KAKO CO.,LTD**

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