



GAS SCRUBBER
SEMIAN TECHNOLOGY

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GAS SCRUBBER

- Heat and wet scrubber
- Burn and wet scrubber
- Dry scrubber
- Wet scrubber
- Thermal decomposition scrubber
- Heat and dry scrubber
- Heat and cooling scrubber



SEMIAN TECHNOLOGY
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SEMIAN TECHNOLOGY
Semiconductor A New Technology Co.,Ltd



포켓 및 명함꽂이

HEAT AND WET SCRUBBER

SBW 200-CE (CE compliant)

► SPECIFICATION

GAS INLET	NW40, 1~4 PORT
GAS EXHAUST	NW63, 1 PORT / -25~-75 mmH2O
CABINET AIR EXTRACTION	Diameter 100 mm FLANGE / -50~-125 mmH2O
ELECTRICAL POWER CONSUMPTION	7 KW
HEATER POWER CONSUMPTION	6 KW
VOLTAGE / PHASE	208V / 3N~ 50/60Hz, 20A
CDA(AIR)	Max. 200 SLM, 2~3 Kg/cm ² (2~3 bar), 3/8 INCH LOK FITTING
WATER	Max. 4 SLM, 2~3 Kg/cm ² (2~3 bar), 3/8 INCH LOK FITTING
N2	Max. 60 SLM, 4~6 Kg/cm ² (4~6 bar), 1/4 INCH LOK FITTING
WASTE WATER DRAIN	VP40 PVC UNION
DIMENSION	800(W) × 850(D) × 2000(H)
WEIGHT	410 Kg

► APPLICATION

MOCVD	FPD	R&D	PCB	SEMI	Si-C
×		×		×	



HEAT AND WET SCRUBBER

SBW 200-C

(Power drain / CHINA type)

► SPECIFICATION

GAS INLET	NW40, 1~4 PORT
GAS EXHAUST	NW80, 1 PORT / -25~-75 mmH2O
CABINET AIR EXTRACTION	Diameter 150 mm FLANGE / -50~-125 mmH2O
ELECTRICAL POWER CONSUMPTION	9 KW
HEATER POWER CONSUMPTION	8 KW
VOLTAGE / PHASE	208V / 1N~ 50Hz, 60A
CDA(AIR)	Max. 200 SLM, 2~3 Kg/cm ² (2~3 bar), 3/8 INCH LOK FITTING
WATER	Max. 4 SLM, 2~3 Kg/cm ² (2~3 bar), 3/8 INCH LOK FITTING
N2	Max. 60 SLM, 4~6 Kg/cm ² (4~6 bar), 1/4 INCH LOK FITTING
WASTE WATER DRAIN	3/4 INCH PVC UNION CONNECTION
DIMENSION	900(W) × 850(D) × 2060(H)
WEIGHT	410 Kg

► APPLICATION

MOCVD	FPD	R&D	PCB	SEMI	Si-C
		×		×	



SBW 200-EPI

► SPECIFICATION

GAS INLET	JIS 40, 2 PORT
GAS EXHAUST	KF63, 1 PORT / -25~-75 mmH2O
CABINET AIR EXTRACTION	Diameter 150 mm FLANGE / -50~-125 mmH2O
ELECTRICAL POWER CONSUMPTION	20 KW
HEATER POWER CONSUMPTION	15 KW[Maximum current 41.6A]
VOLTAGE / PHASE	208V / 3PHASE, 50/60Hz, 60A
CDA(AIR)	Max. 400 SLM, 2~3 Kg/cm ² (2~3 bar), 1/2 INCH LOK FITTING
WATER	Max. 8 SLM, 2~3 Kg/cm ² (2~3 bar), 3/8 INCH LOK FITTING
N2	Max. 200 SLM, 4~6 Kg/cm ² (4~6 bar), 1/4 INCH LOK FITTING
WASTE WATER DRAIN	VP25 PVC UNION
DIMENSION	1200(W) × 950(D) × 2000(H)
WEIGHT	620 Kg

► APPLICATION

MOCVD	FPD	R&D	PCB	SEMI	Si-C
×					



BURN AND WET SCRUBBER

MIDAS-I (CE compliant)

► SPECIFICATION

GAS INLET NW40, 1~4 PORT

GAS EXHAUST NW63, 1 PORT / -25~-75 mmH2O

CABINET AIR EXTRACTION Diameter 150 mm FLANGE / -50~-125 mmH2O

ELECTRICAL POWER CONSUMPTION 2 KW

VOLTAGE / PHASE 208V / 2- 50/60 Hz, 10A

LNG Max. 65 SLM, Max. 500 mmAq, 3/4 INCH BRASS LOK FITTING

CDA(AIR) Max. 200 SLM, 2~3 Kg/cm²(2~3 bar), 1/4 INCH BRASS LOK FITTING

CITY WATER Max. 8 SLM, 2~3 Kg/cm²(2~3 bar), 1/2 INCH BRASS LOK FITTING

N2 Max. 60 SLM, 4~6 Kg/cm²(4~6 bar), 1/4 INCH BRASS LOK FITTING

WASTE WATER DRAIN 3/4 PVC UNION CONNECTION

DIMENSION 1050(W)×880(D)×1980(H)

WEIGHT 460 Kg

► APPLICATION

MOCVD	FPD	R&D	PCB	SEMI	Si-C
	×	×		×	



DRY SCRUBBER

SSD 50 (CE / SEMI S2 compliant)

► SPECIFICATION

CANISTER VOLUME	50 LITER
GAS INLET	NW40 FLANGE, 1 PORT
GAS EXHAUST	NW40 FLANGE, 1 PORT / -25~-75 mmH2O
BY-PASS LINE	1/2 INCH PIPE LINE
CABINET AIR EXTRACTION	Diameter 100 mm FLANGE
ELECTRICAL POWER CONSUMPTION	Max. 220 W
VOLTAGE / PHASE	208V / 1PARSE, 50/60Hz, 1A
N2	Max. 5 SLM, 4~6 Kg/can, 1/4 INCH LOK FITTING
DIMENSION	600(W) × 500(D) × 1500(H)
WEIGHT	180 Kg

► APPLICATION

MOCVD	FPD	R&D	PCB	SEMI	Si-C
		×			



DRY SCRUBBER

SSD 100 (CE / SEMI S2 compliant)

► SPECIFICATION

CANISTER VOLUME	100 LITER
BY-PASS CANISTOR VOLUME(OPTION)	1.5 LITER(OPTION)
ELECTRICAL POWER	1PHASE, 208V, 3A, 50/60Hz
NITROGEN	4.5~7 Kg/cm ² , 10 SLM, 1/4 INCH LOK-FITTING
INLET PORT	1 PORT, NW 40 FLANGE
OUTLET POR	1 PORT, NW 40 FLANGE
CABINET EXTRACTION PORT	Diameter 100 mm FLANGE
OUTLET SAMPLING PORT	1/4 INCH LOK-FITTING
DIMENSION	650(W) × 650(D) × 1700(H)
WEIGHT	240 Kg

► APPLICATION

MOCVD	FPD	R&D	PCB	SEMI	Si-C
		X		X	



WET SCRUBBER

SSW 200-K

► SPECIFICATION

GAS INLET	65A FLANGE, 1 PORT
GAS EXHAUST	65A FLANGE, 1 PORT / -25~-75 mmH ₂ O
ELECTRICAL POWER CONSUMPTION	Max. 300 W
VOLTAGE / PHASE	208~220V / 1 PHASE, 60Hz
WATER	Max. 4 SLM, 2~3 Kg _{font} , 1/4 INCH LOK FITTING
N₂(OPTION)	Max. 25 SLM, 4~6 Kg _{font} , 1/4 INCH LOK FITTING
WAST WATER DRAIN	VP40 UNION
DIMENSION	600(W) × 500(D) × 1500(H)
WEIGHT	200 Kg

► APPLICATION

MOCVD	FPD	R&D	PCB	SEMI	Si-C
		×			



WET SCRUBBER

SSW 500

(Neutralizer / Power drain)

► SPECIFICATION

GAS INLET VP20 PVC PIPE, 3 PORT

GAS EXHAUST VP100 PVC PIPE, 1 PORT / -25~-75 mmH2O

CABINET VENTILATION DAMPER VP63 PVC PIPE, 1 PORT / -25~-75 mmH2O

ELECTRICAL POWER CONSUMPTION Max. 2 KW

VOLTAGE / PHASE 208~220VAC / 1 PHASE, 60Hz

WATER Max. 8 SLM, 2~3 Kg/cm², 1/2 INCH LOK FITTING

AIR Max. 2 SLM, 4~6 Kg/cm², 1/4 INCH LOK FITTING

WAST WATER DRAIN VP25 UNION

DIMENSION 990(W) × 750(D) × 1850(H)

WEIGHT 450 Kg

► APPLICATION

MOCVD	FPD	R&D	PCB	SEMI	Si-C
			×		×



SSW 200-E

(Neutralizer)

► SPECIFICATION

GAS INLET 100A FLANGE, 1 PORT

GAS EXHAUST 65A PLANGE, 1 PORT / -25~-75 mmH2O

ELECTRICAL POWER CONSUMPTION Max. 300 W

VOLTAGE / PHASE 208~220V / 1 PHASE, 60Hz

WATER Max. 25 SLM, 4~6 Kg/cm², 1/4 INCH LOK FITTING

AIR Max. 2 SLM, 4~6 Kg/cm², 1/4 INCH LOK FITTING

WAST WATER DRAIN VP40 UNION

DIMENSION 400(W) × 500(D) × 1500(H)

WEIGHT 200 Kg

► APPLICATION

MOCVD	FPD	R&D	PCB	SEMI	Si-C
		×			



THERMAL DECOMPOSITION SCRUBBER

SBW 200

► SPECIFICATION

GAS INLET	50 mm, 1 PORT
GAS EXHAUST	KF 100, 1 PORT / -25~-75 mmH2O
CABINET AIR EXTRACTION	Diameter 150 mm FLANGE, 1 PORT / -50~125 mmH2O
ELECTRICAL POWER CONSUMPTION	Max. 25 KW
HEATER POWER CONSUMPTION	Max. 24 KW
VOLTAGE / PHASE	400 V / 3N, 50A, 50 Hz
N2	Max. 200 SLM, 4~6 Kg _{form} , 3/8 INCH LOK FITTING

► APPLICATION

MOCVD	FPD	R&D	PCB	SEMI	Si-C
		×			



THERMAL DECOMPOSITION SCRUBBER

MIDAS-II

► SPECIFICATION

TOTAL GAS TREATMENT VOLUME	200 SLM
GAS INLET	NW40, 1~2 PORT
GAS EXHAUST	NW63, 1 PORT / -25~-75 mmH2O
CABINET AIR EXTRACTION	Diameter 150 mm FLANGE / -50~-125 mmH2O
ELECTRICAL POWER CONSUMPTION	10.5 KW
HEATER POWER CONSUMPTION	9.9 KW
VOLTAGE / PHASE	208V / 3-50/60Hz, 40A
CDA(AIR)	Max. 200 SLM, 2~3 Kg/cm ² (2~3 bar), 3/8 INCH LOK FITTING
PCW(COOLING WATER) IN/OUT	Max. 12~18 SLM, 2~3 Kg/cm ² (2~3 bar), 3/8 INCH LOK FITTING
N ₂	Max. 30 SLM, 4~6 Kg/cm ² (4~6 bar), 1/4 INCH LOK FITTING
DIMENSION	800(W) × 700(D) × 1670(H)
WEIGHT	350 Kg

► APPLICATION

MOCVD	FPD	R&D	PCB	SEMI	Si-C
		×			



HEAT AND DRY SCRUBBER

SBD 200-S



► SPECIFICATION

GAS INLET NW40 FLANGE, 1-3 PORT	CITY WATER Max. 6-8 SLM, 2-3 2-3 Kg _{cm²} , 3/8 INCH LOK FITTING
GAS EXHAUST NW63 FLANGE, 1 PORT / -25~-75 mmH ₂ O	PCW IN, OUT Max. 12-16 SLM, 2-3 Kg _{cm²} , 1/2 INCH LOK FITTING
CABINET AIR EXTRACTION Diameter 150 mm FLANGE	N₂ Max. 60 SLM, 4-6 Kg _{cm²} , 1/4 INCH LOK FITTING
ELECTRICAL POWER CONSUMPTION Max. 7.5 KW	DIMENSION 1800(W) × 900(D) × 1800 (H)
VOLTAGE / PHASE 208-220V / 3 Phase, 60Hz, 30A	WEIGHT 560 Kg
CDA Max. 200 SLM, 2-3 Kg _{cm²} , 3/8 INCH LOK FITTING	

► APPLICATION

MOCVD	FPD	R&D	PCB	SEMI	Si-C
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HEAT AND COOLING SCRUBBER

SBW III-202-S



► SPECIFICATION

HEATING CHAMBER TEMPERATURE	800~850℃	FULL LOAD CURRENT	55 A
INLET PORT	ISO 63 FLANGE, 1 PORT	RUNNING CURRENT	30~40 A
OUTLET PORT	ISO 200 FLANGE, 1 PORT, -25~-75 mmH2O	PCW IN, OUT	2~3 kgf _{cm²} , 8~12 SLM, 3/8 INCH LOK FITTING
CABINET EXTRACTION PORT	Diameter 100 mm FLANGE, -25~-125 mmH2O	CDA(Air)	2~3 kgf _{cm²} , Max. 750 SLM, 1 INCH LOK FITTING
WASTE WATER DRAIN PORT	1/2 INCH LOK FITTING	NITROGEN	4~6 kgf _{cm²} , Max. 100 SLM, 1/4 INCH LOK FITTING
ELECTRICAL	20 KW	OUTLET GAS SAMPLING PORT	1/4 INCH LOK FITTING
VOLTAGE / FREQUENCY / PHASE	208V / 50/60Hz / 3 PHASE	DIMENSION	1800(W) × 900(D) × 2000(H)
RATING CURRENT	75 A	WEIGHT	1200 Kg

► APPLICATION

MOCVD	FPD	R&D	PCB	SEMI	Si-C
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