



Yamato Scientific America

Innovating Science for over 130 years

2022

YAMATO PRODUCT DIGEST

Direct Sales Products



ANAEROBIC CHAMBERS

Glove Boxes



AC SERIES	Hypalon gloves	Approximate volume
AC505/515	One (1) pair	17.3 cubic ft. / 489L
AC706/716	Two (2) pairs	40.9 cubic ft. / 1157L



AC SERIES	Hypalon gloves	Approximate volume
AC505A/515A	One (1) pair	17.3 cubic ft. / 489L
	One -Touch, "Go Anaerobic" button to initiate purging sequence	

CUSTOMIZED INDUSTRIAL PRODUCTS

Combination Forced Convection Oven



C1-006	Temperature range	Internal dimensions
	RT +10~260°C	W700xD500x500mm (single)
Platform stands to combine units / Customized chamber dimensions		

Large Walk-in Forced Convection Oven



C4-008	Temperature range	Internal dimensions
	RT +10~100°C	W3500xD3500x3000mm
Double door structure / Anti-lock mechanism		

Fully Automatic Conveyor Drying Oven



C1-007	Temperature range	Conveyor speed
	RT +20~80°C	0.035 - 0.35 m/min
Adjustable conveyor speed capable of multiple treatment processes		

Large Capacity Low Temperature Chamber



YY-711	Temperature range	Internal capacity
	-20~50°C	800L
Size can be specified according to needs		

CUSTOMIZED INDUSTRIAL PRODUCTS

Large Autoclave



YYK SERIES	Operating temp. range	Internal dimension
YYK500	RT +10~70°C	ø500mm x 850Lmm
YYK750		ø750mm x 1100Lmm
YYK800		ø800mm x 1100Lmm
YYK900		ø900mm x 1300Lmm

Customized chamber dimension

FREEZE DRYERS



DC SERIES	Trap cooling temp.	Dehumidify amount
DC401	-45°C	0.6L
DC801	-85°C	1.0L

FREEZERS

Platinum Series Ultra Low Temperature Freezers - Chest Style

ULF SERIES	Temperature Range	Capacity
ULF001CP	-40°C ~ -85°C	2ft³ / 56L
ULF101CP		3ft³ / 83L
ULF201CP		5ft³ / 142L
ULF301CP		9ft³ / 255L
ULF401CP		12ft³ / 340L
ULF501CP		14ft³ / 400L
ULF601CP		17ft³ / 480L
ULF701CP	-40°C ~ -80°C	21ft³ / 594L
ULF801CP	-40°C ~ -85°C	22ft³ / 626L
ULF901CP	-40°C ~ -80°C	27ft³ / 766L

Added Features of Platinum Series:

- Touch screen control
- Hi/Low alarm with email and SMS notification
- Viewable temperature graph
- Data logging downloadable via USB or FTP
- Multi-level security
- VNC remote access via PC / smart devices



FREEZERS

Platinum Series Ultra Low Temperature Freezers - Upright Style

ULF SERIES	Temperature Range	Capacity
ULF401UP	-40°C ~ -85°C	13ft ³ / 370L
ULF501UP		18ft ³ / 505L
ULF601UP		22ft ³ / 626L
ULF701UP		25ft ³ / 710L
ULF801UP	-40°C ~ -80°C	28ft ³ / 792L
ULF901UP		31ft ³ / 877L

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- VNC remote access via PC / smart devices



ULF401UP



ULF501UP



ULF701UP



ULF901UP

FREEZERS

Platinum Series Low Temperature Freezers - Chest Style

LTF SERIES	Temperature Range	Capacity
LTF101CP	0°C ~ -40°C	3ft³ / 83L
LTF201CP		5ft³ / 142L
LTF301CP		9ft³ / 255L
LTF401CP		12ft³ / 340L
LTF501CP		14ft³ / 400L
LTF601CP		17ft³ / 480L
LTF801CP		22ft³ / 626L
LTF901CP		27ft³ / 766L

Added Features of Platinum Series:

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FREEZERS

Platinum Series Low Temperature Freezers - Upright Style

LTF SERIES	Temperature Range	Capacity
LTF401UP	0°C ~ -40°C	13 ft ³ / 370L
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LTF401UP



LTF501UP



LTF701UP



LTF801UP

LABORATORY FURNITURE

Fume Hoods



MS / MV SERIES	Air volume	Worktop
MS90C	7m ³ /min	Stainless steel (SUS304)
MV90C		Hard polyethylene



LDS SERIES	Type: Standard, Air curtain, Benchtop, Low-ceiling
120/150/180	Exterior: Cool-milling steel, chemical resistant baked paint finish Interior: Non-asbestos, non-combustible decorative board (baffle plate: multi-slit)

Industrial Clean Benches



ADS SERIES	Working space height	Air volume	Air flow direction
ADS101	M: 720mm H: 875mm	~13 (m ³ /min)	Vertical
ADS131		~17 (m ³ /min)	
ADS161		~22 (m ³ /min)	
ADS191		~26 (m ³ /min)	



AHS SERIES	Working space height	Air volume M/H	Air flow direction
AHS101	M: 720mm H: 875mm	~16/20 m ³ /min	Horizontal
AHS131		~22/27 m ³ /min	
AHS161		~27/33 m ³ /min	
AHS191		~32/39 m ³ /min	

PCR WORKSTATIONS



PCR SERIES	Features	Inside dimension
PR204/214	"Bright Light" illumination system (40,000 hour lamp guarantee) U.V. germicidal system rated at 254 nm	23.5" x 17" x 21" / 597 x 432 x 530 mm

PCR SERIES	Features	Inside dimension
PR204H/214H	"Mini HEPA" filter size 4" x 9.5" x 1" thick "Bright Light" illumination system (40,000 hour lamp guarantee) U.V. germicidal system rated at 254 nm	23.5" x 17" x 21" / 597 x 432 x 530 mm

PLASMA CLEANERS

Gas Plasma Cleaners



PDC SERIES	High frequency output	Electrode structure
PDC200	300W	Parallel flat stage plate
PDC210	500W	
PDC510	500W	

PDC SERIES	High frequency output	Electrode structure
PDC610	600W	3 stage independent parallel flat plates

PLASMA CLEANERS

Gas Plasma Reactors



PR SERIES	High frequency output	Reaction chamber
PR200	200W	Pyrex glass x 1 chamber
PR300	300W (100W x 3 chambers)	Pyrex glass x 3 chambers
PR301	300W	Pyrex glass x 1 chamber

PR SERIES	High frequency output	Reaction chamber
PR500	Max. 500W	Quartz x 1 chamber
PR510		

SHAKERS



SA SERIES	Shaking speed: horizontal	Shaking speed: vertical
SA300	20~300 rpm	20~300 rpm
SA320	20~210 rpm	20~210 rpm
SA400	Not applicable	20~300 rpm

SPRAY DRYERS

Compact & Economical



ADL311SA	Evaporated water amount	Temp. control range
	Max. 1300 mL/h	40~220°C

Versatile



GB210A	Evaporated water amount	Temp. control range
	Max. 1300 mL/h	40~220°C

Large Capacity



DL410	Evaporated water amount	Temp. control range
	Max. 3000 mL/h	40~300°C

Granulator



GB210B	Granulation processing capacity	Temp. control range
	50 to 300g	40~220°C

Organic Solvent Recovery Unit



GAS410	Circulation flow	Solvent recovery capacity
	0.12~0.65 m³/min	1300 mL/h or more

Organic Solvent Washing Unit



GWS410	Maximum flow	Storage tank capacity
	15L / min	35L

WATER PURIFICATION SYSTEM

Auto Pure



WA 400/200 SERIES	Purified Water/Water Quality Deionized water: Type 1	Delivery Rate 4.0 L/min
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WH SERIES	Purified Water/Water Quality Deionized water: Type 2 & 3	Delivery Rate 1.9 L/min or 4.7 L/min depending on model
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WA 300 SERIES	Purified water / Water quality Deionized water: Type 1	Delivery Rate 2.5 L/min
Available in benchtop or remote dispense configuration		



WC SERIES	Purified water / Water quality Deionized water: Type 1	Delivery Rate 2.5 L/min
Designed with ultraviolet oxidation lamp Available in benchtop or remote dispense configuration		



WB SERIES	Purified water / Water quality Deionized water: Type 1	Delivery Rate 2.0 L/min
Designed with ultrafiltration module Available in benchtop or remote dispense configuration		



WG SERIES	Purified water / Water quality Deionized water: Type 1	Delivery Rate 2.0 L/min
Designed with ultraviolet oxidation lamp and ultrafiltration module Available in benchtop or remote dispense configuration		

WATER PURIFICATION SYSTEM

Auto Still



WG SERIES	Purified water/Quality	Delivery Rate	Tank capacity
WG204	Deionized water: Type 1 Distilled water: Type 2	~1.0 L/min	20L



WG SERIES	Purified water/Quality	Delivery Rate	Tank capacity
WG205	Deionized water: Type 1	~1.0 L/min	20L
WG252	Deionized water: Type 1		30L
WG1012	Distilled water: Type 2	0.5~1.0 L/min	100L

Pure Line



WE SERIES	Purified water / Quality	Delivery Rate
WE200	Deionized water: Type 1	0.5~1.0 L/min