SINCE 1889

Yamato Scientific America

Innovating Science for over 130 years

YAMATO PRODUCT DIGEST

General Distribution Products



www.yamato-usa.com marketing@yamato-usa.com 1-800-292-6286

OVENS

Natural Convection Ovens



DX SERIES	Temperature range	Internal capacity
DX302C/312C	RT +5~300°C	28L
DX402C/412C		74L
DX602C/612C	RT +5~280°C	153L



DVS SERIES	Temperature range	Internal capacity
DVS402C/412C	RT +5~260°C	99L
DVS602C/612C		162L

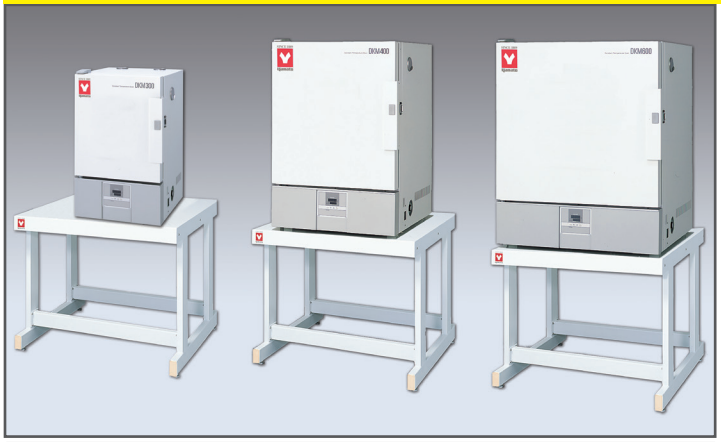


DR SERIES	Temperature range	Internal capacity
DR200	300~700°C	13.75L



DG SERIES	Temperature range	Internal capacity
DG400C/410C	RT +5~70°C	92L
DG440C/450C		
DG800C/810C		445L
DG840C/850C		

Forced Convection Ovens



DKM SERIES	Temperature range	Internal capacity
DKM300C/310C	RT +10~260°C	27L
DKM400C/410C		90L
DKM600C/610C		150L



DKN SERIES	Temperature range	Internal capacity
DKN302C/312C	RT +10~260°C	27L
DKN402C/412C		90L
DKN602C/612C		150L
DKN812C		300L
DKN912C	RT +10~210°C	535L

OVENS

Forced Convection Ovens



DNE SERIES	Temperature range	Internal capacity
DNE401/411	RT +20~210°C	90L
DNE601/611		150L
DNE811	RT +15~210°C	300L
DNE911		540L



DNF SERIES	Temperature range	Internal capacity
DNF301	RT +15~260°C Wind velocity 1~10	27L
DNF401/411		90L
DNF601/611		150L
DNF811		300L
DNF911		540L

Fine Ovens



DF SERIES	Temperature range	Internal capacity
DF412	RT +15~260°C	91L
DF612		216L
DF832	RT +15~200°C	512L
DF1032		1000L



DH SERIES	Temperature range	Internal capacity
DH412	RT +15~360°C	91L
DH612		216L
DH832	RT +15~300°C	512L
DH1032		1000L

Vacuum Ovens



ADP SERIES	Temperature range	Internal capacity
ADP200C/210C	40~240°C	10L
ADP300C/310C		27L



DP SERIES	Temperature range	Internal capacity
DP43C	40~200°C	91L
DP63C		216L

OVENS

Vacuum Ovens



DP SERIES	Temperature range	Internal capacity
DP83C	40~200°C	512L
DP104C		1000L

Inert Ovens



DN SERIES	Temperature range	Internal capacity
DN411IE	RT +15~360°C	95L
DN611IE		223L

Clean Ovens



DE/DT SERIES	Temperature range	Internal capacity
DE411	RT +30~260°C	91L
DE611		216L
DT411	RT +30~360°C	91L
DT611		216L



DES/DTS SERIES	Temperature range	Internal capacity
DES830	RT +30~260°C	327L
DTS830	RT +30~360°C	

MUFFLE FURNACES



Muffle furnace with communication port

FO SERIES	Temp range	Capacity
FO100CR/110CR	100~1150°C	1.5L
FO200CR/210CR		3.75L
FO300CR/310CR		7.5L
FO410CR		9L

	Temp range	Capacity
FO510CR	100~1150°C	11.3L
FO610CR		17.5L
FO710CR		23.6L
FO810CR		30L



FP SERIES	Temperature range	Internal capacity
FP103	100~1150°C	1.5L
FP303/313		7.5L
FP413		11.3L

STERILIZERS

Steam Sterilizers



SK SERIES	Temperature range	Internal capacity
SK101C/111C	50~126°C	18L



SK SERIES	Temperature range	Internal capacity
SK200C/210C	50~126°C	24L
SK300C/310C		30L



SN SERIES	Temperature range	Internal capacity
SN300C/310C	45~135°C	32L
SN500C/510C		47L



SQ SERIES	Temperature range	Internal capacity
SQ500C/510C	45~135°C	50L
SQ810C		80L



SQL SERIES	Temperature range	Internal capacity
SQL810C	45~135°C	85L
SQL1010C		110L

STERILIZERS

Steam Sterilizers with Dryer



SM SERIES	Temperature range	Internal capacity
SM201/211	Sterilization 105 to123°C Drying 150 to 180°C	20L
SM301/311	Sterilization 105 to128°C Drying 150 to 180°C	32L
SM501/511		47L



SM SERIES	Temperature range	Internal capacity
SM520/530	45~60°C (retain temp.) 45~80°C (preheat temp.) 105~135°C (sterilize) 60~110°C (liquefy) 135~150°C (dry)	50L
SM820/830		80L

Dry Sterilizers



SI SERIES	Temperature range	Internal capacity
SI402	RT + 5~260°C	77L
SI602		159L



SK SERIES	Temperature range	Internal capacity
SK401	RT +5~260°C	99L
SK601		162L
SK801/811	RT +5~210°C	300L

INCUBATORS

Natural Convection



Also available with window and / or communication port

IC SERIES	Temperature range	Internal capacity
IC103C/113C	RT +5~80°C	37L
IC403C/413C		97L
IC603C/613C		159L
IC803C/813C		318L
IC903C/913C		567L



Refrigerant Incubator with window + MK161 compact shaker

IN SERIES	Temperature range	Internal capacity
IN604WMK-115V	-10~+50°C	143L
IN604WMK-220V		

Forced Convection



IN SERIES	Temperature range	Internal capacity
IN604	-10~+50°C	143L
IN604W		
IN804		286L
IN804W		



INE SERIES	Temperature range	Internal capacity
INE800	0~+60°C	286L

ROTARY EVAPORATORS

Basic & Economical



RE SERIES	Water/Oil bath capacity	Lifting feature
RE201	4L or 7L / 7L	Manual



RE SERIES	Water/Oil bath capacity	Lifting feature
RE202A/212A	5L	Slide Jack



RE SERIES	Water/Oil bath capacity	Lifting feature
RE301	4L	Motorized

Highly Functional & Programmable



RE SERIES	Water/Oil bath capacity	Lifting feature
RE601	4L	Motorized



RE SERIES	Water/Oil bath capacity	Lifting feature
RE801	4L	Motorized

BATHS

Water Baths



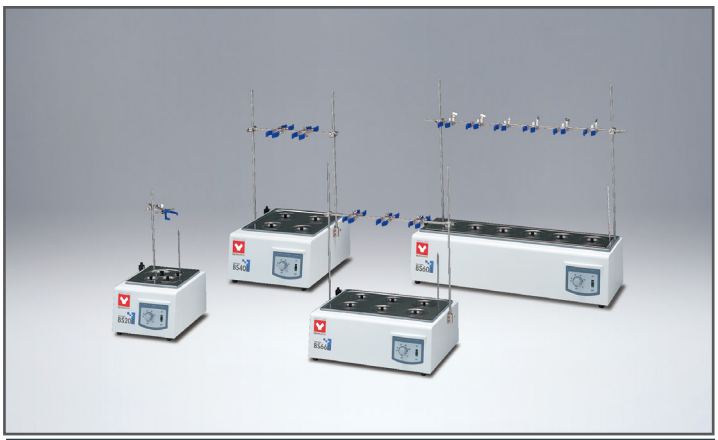
BM SERIES	Temperature range	Internal capacity
BM100/110	RT +5~95°C	4L
BM200/210		7L
BM401/410		



BM SERIES	Temperature range	Internal capacity
BM302A/312A	RT +10~90°C	5L



BM SERIES	Temperature range	Internal capacity
BM500/510	RT +5~90°C	4L



BS SERIES	Temperature range	Bath capacity
BS200	RT + 5°C~Water boiling point	4.7L
BS401		9L
BS601		12L
BS660		14L



BK/BA SERIES	Temperature range	Bath capacity
BK/BA300	RT +5~80°C	27L
BK/BA400		42L
BK/BA500		70L
BK/BA610		109L
BK/BA710		144L



BH SERIES	Temperature range	Bath capacity
BH401	RT +15~100°C	13L
BH501 *Dual use: water or oil bath*	RT +15~200°C	

BATHS

Water Baths



BBL SERIES	Temperature range	Bath capacity
BBL101	-10~+80°C	8L
BBL301		13L



BO SERIES	Temperature range	Bath capacity
BO400/410	RT +10~180°C	4L



BO SERIES	Temperature range	Bath capacity
BO601	RT +5~180°C	7L

Oil Baths



BO SERIES	Temperature range	Bath capacity
BO302A/312A	RT +10~180°C	5L



BO SERIES	Temperature range	Bath capacity
BO500 *in combination with MB800 stirrer*	RT +5~199°C	5.2L



BOA SERIES	Temperature range	Bath capacity
BOA200	RT +10~200°C	37L
BOA310	RT +10~270°C	

BATHS

Immersion Temperature Control Devices



BF SERIES	Temperature range	Stirrer
BF201	-20~90°C	Propeller stirring
BF401		Water jet stirring
BF501		
BF601 *Oil / water compatible*	0~200°C	Propeller stirring



BE SERIES	Temperature range	Cooling capacity
BE201	-20~+35°C	190W at 0°C
BE201F		
BE301		350W at 0°C

WATER CIRCULATORS



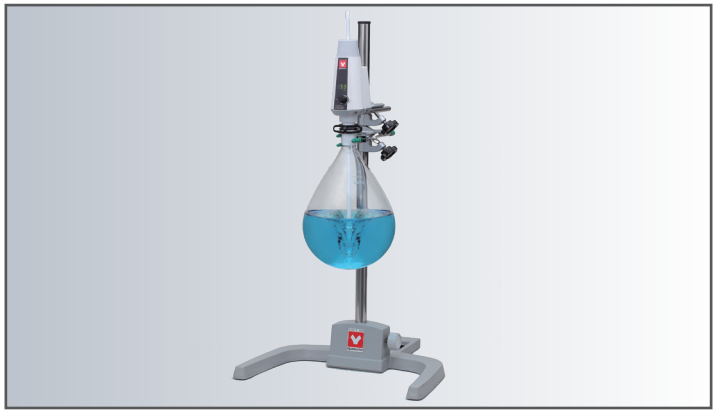
CF SERIES	Temperature range	Bath capacity
CF302LA/312LA	-20°C ~ 30°C *(no heating function)*	3.9L (liquid 3.5L)
CF800	-20°C ~ Room temp.	16L (liquid 14L)

COLD TRAPS

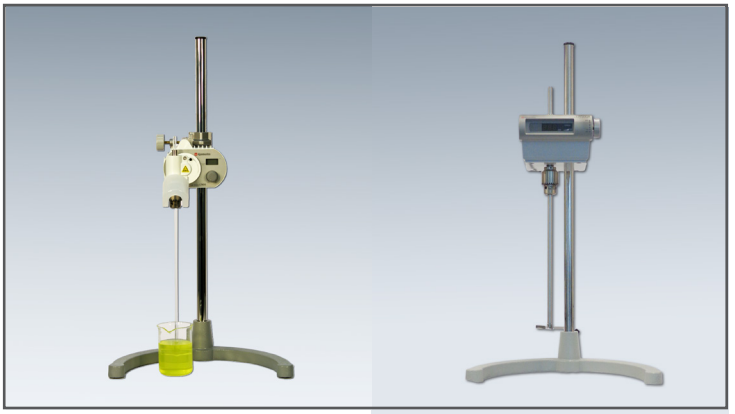


CA SERIES	Max. low temperature	Internal capacity
CA301	-45°C	4L (liquid 3L)
CA801	-85°C	

STIRRERS



LM SERIES	Temperature range	Speed range
LM100	5~35°C	50~1000 rpm
LM110		
LM200		
LM210		



LT / LR SERIES	Maximum speed	Viscosity of sample
LT400	1200 rpm	Low to high
LT500	1200 rpm	Medium to high
LR500A	340 rpm	Low to high
LR500B	1000 rpm	

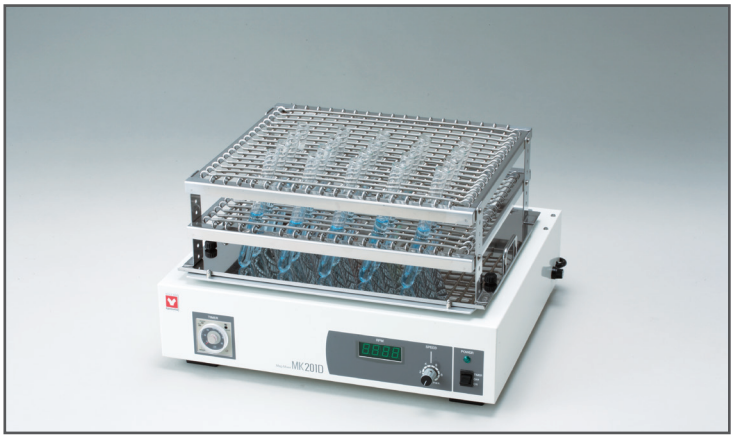


MH / MG SERIES	Stirring rate	Stirring capacity
MH301	400~1500 rpm	100~3000 ml
MH520 (50Hz/60Hz)	150~1150/150~1300 rpm	50~5000 ml
MH800	100~1400 rpm	200~10000 ml
MG600H	300~1500 rpm	100~2000 ml x 6



AREC SERIES	Stirring rate	Stirring capacity
F20510011 (115V 60 Hz)	50~1500 rpm	15L of water
F20500011 (230V 50/60 Hz)		

SHAKERS



MK SERIES	Shaking mode	Shaking frequency
MK161	Rotary, elliptical, reciprocate	20~200 rpm
MK201D	Rotary, reciprocate	20~200 rpm *random adjustment*

GLASSWARE WASHERS



AW SERIES	Capacity	Washing water temp.
AW47	Test tube 450 pcs. (16.5 ml) Volumetric flasks 36 pcs. (100 ml)	Room Temp ~60°C



AW SERIES	Capacity	Washing water temp.
AW62	Test tube 600 pcs. (16.5 ml) Volumetric flasks 42 pcs. (100 ml)	45~85°C

ANALYZERS

Photo Absorbance Sensor



PiCOEXPLORER	Min. sample volume	Comm. interface
	30 µL	Bluetooth

DATA LOGGERS

Wi-Fi Network Bridge



WBV4A/WBV4B/ WBV4C	Wi-Fi connectivity to select Yamato oven, muffle furnace, and incubator models

BALANCE ENCLOSURES

Vented Balance Enclosures



VBE SERIES	Features	Internal work surface
VBE204/214	* Includes top mounted HEPA/Blower filtration and face velocity alarm * Constructed with optically clear 3/8" jeweled acrylic plastic and phenolic base	23.5" wide x 21" deep 597mm x 533mm
VBE306/316		35.5" wide x 21" deep 901mm x 533mm
VBE408/418		47.5" wide x 21" deep 1206mm x 533mm
VBE600/610		59.5" wide x 21" deep 1511mm x 533mm

FREEZERS

Ultra Low Temperature Freezers - Chest Style

ULF SERIES	Temperature Range	Capacity
ULF001C	-40°C ~ -85°C	2ft³ / 56L
ULF101C		3ft³ / 83L
ULF201C		5ft³ / 142L
ULF301C		9ft³ / 255L
ULF401C		12ft³ / 340L
ULF501C		14ft³ / 400L
ULF601C		17ft³ / 480L
ULF701C	-40°C ~ -80°C	21ft³ / 594L
ULF801C	-40°C ~ -85°C	22ft³ / 626L
ULF901C	-40°C ~ -80°C	27ft³ / 766L



ULF001C



ULF101C



ULF201C



ULF401C



ULF601C



ULF901C

FREEZERS

Ultra Low Temperature Freezers - Upright Style

ULF SERIES	Temperature Range	Capacity
ULF401U	-40°C ~ -85°C	13ft³ / 370L
ULF501U		18ft³ / 505L
ULF601U		22ft³ / 626L
ULF701U		25ft³ / 710L
ULF801U	-40°C ~ -80°C	28ft³ / 792L
ULF901U		31ft³ / 877L



ULF401U



ULF501U



ULF701U



ULF901U

FREEZERS

Ultra Low Temperature Freezers - Undercounter

ULF SERIES	Temperature Range	Capacity
ULF001UN	-40°C ~ 85°C	22ft³ / 594L
ULF101UN		22ft³ / 626L
ULF201UN		27ft³ / 766L



ULF001UN



ULF101UN



ULF201UN

Ultra Low Temperature Freezer - Chest Style

	Temperature Range	Capacity
YK205ULT	-50°C ~ 86°C	5ft³ / 130L



YK205ULT

FREEZERS

Low Temperature Freezers - Chest Style

LTF SERIES	Temperature Range	Capacity
LTF001C	0°C ~ -40°C	2ft³ / 56L
LTF101C		3ft³ / 83L
LTF201C		5ft³ / 142L
LTF301C		9ft³ / 255L
LTF401C		12ft³ / 340L
LTF501C		14ft³ / 400L
LTF601C		17ft³ / 480L
LTF801C		22ft³ / 626L
LTF901C		27ft³ / 766L



LTF001C



LTF101C



LTF301C



LTF401C



LTF601C



ULF901C

FREEZERS

Low Temperature Freezers - Upright Style

LTF SERIES	Temperature Range	Capacity
LTF401U	0°C ~ -40°C	13 ft^3 / 370L
LTF501U		18 ft^3 / 505L
LTF601U		22 ft^3 / 626L
LTF701U		25 ft^3 / 710L
LTF801U		28 ft^3 / 792L



LTF401U



LTF501U



LTF701U



LTF801U

FREEZERS

Laboratory Freezers with Solid Door

SLF SERIES	Temperature Range	Capacity
SLF701SS	-18°C ~ -25°C	25ft³ / 708L
SLF1301DS		49ft³ / 1387L



SLF701SS



SLF1301DS

Laboratory Freezers - Undercounter

UCF SERIES	Temperature Range	Capacity
UCF000	-20°C	1.5ft³ / 42L
UCF001	0°C ~ -20°C	2.5ft³ / 70L
UCF101A	0°C ~ -30°C	4ft³ / 113L
UCF101B	-30°C ~ -40°C	4ft³ / 113L



UCF000



UCF001
UCF101A



UCF101B

REFRIGERATORS

Laboratory Refrigerators with Glass Door

Upright Style	Temperature Range	Capacity
SLR301SG	2°C ~ 8°C	12ft³ / 340L
SLR701SG		25ft³ / 708L
SLR801SG		30ft³ / 850L
SLR1301DG		49ft³ / 1387L
SLR1301DGSL		49ft³ / 1387L
SLR2001TG		72ft³ / 2039L



SLR301SG



SLR801SG



SLR1301DGSL



SLR2001TG

REFRIGERATORS

Laboratory Refrigerators with Solid Door

Upright Style	Temperature Range	Capacity
SLR701SS	2°C ~ 8°C	25ft³ / 708L
SLR801SS		30ft³ / 850L
SLR1301DS		49ft³ / 1387L



SLR701SS



SLR801SS



SLR1301DS

REFRIGERATORS

Undercounter and Countertop Refrigerators

UCR SERIES	Temperature Range	Capacity
UCR001	2°C ~ 8°C	2.5ft³ / 70L
UCR001G		2.5ft³ / 70L
UCR101		4ft³ / 113L
UCR101G		4ft³ / 1137L



UCR001

UCR101



UCR001G

UCR101G

REFRIGERATOR / FREEZER COMBINATION

RFC SERIES	Temperature Range	Capacity
RFC201	(Refrigerator) 2°C ~ 8°C (Freezer) -10°C to -30°C /	4.6ft³ Refrigerator 4.4ft³ Freezer
RFC301	(Refrigerator) 2°C to 8°C (Freezer) -10°C to -25°C	7ft³ Refrigerator 3ft³ Freezer
RFC501	(Refrigerator) 2°C to 8°C (Freezer) 0°C to -25°C	9.1ft³ Refrigerator 9.1ft³ Freezer
RFC1301	(Refrigerator) 2°C to 8°C (Freezer) 0°C to -25°C	24ft³ Refrigerator 24ft³ Freezer
RFC2001	(Refrigerator) 4°C / 39°F (Freezer) -20°C	46.6ft³ Refrigerator 24ft³ Freezer



RFC201

REFRIGERATOR / FREEZER COMBINATION



RFC301



RFC501



RFC1301



RFC2001