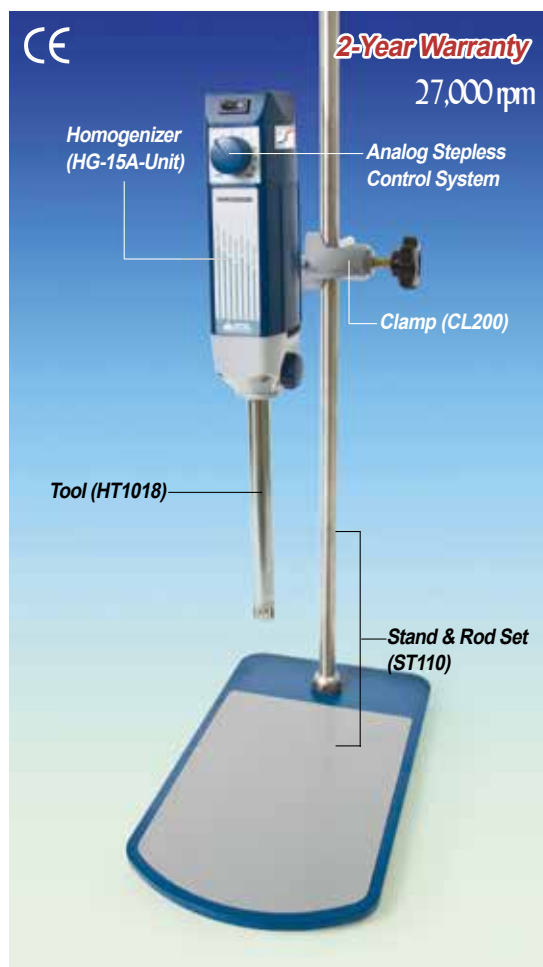


DAIHAN-brand® Homogenizer with Direct Controller “HG-15A”, up to 27,000 rpm, 1~2,500ml with Analog Stepless Control System, High Efficiency Dispersing Tools, High-Speed · High-Quality · Low Noise 균질기 / 호모게나이저, 아날로그 컨트롤러 내장, 초고속/저소음 모터



(a) Homogenizer Package-set “HG-15A-Set-A”

- Made in Korea
 - PL (Product Liability) Insurance
 - CE Certified
 - with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
 - Useful for All Dispersing and Homogenizing Applications
 - Over Heat Protection
- * Designed for Liquid and Tissue Samples
 - * Useful for All Dispersing and Homogenizing Applications
 - * High Speed / High Quality / Low Noise : Max. 27,000 RPM (without load)
 - * Speed & Power Control Optimized for a Sample
 - * High Efficiency Dispersing Tool made of Stainless steel and PTFE

Specifications & Ordering information

Spec.	Model	(a) “HG-15A-Set-A”	(b) “HG-15A-Set-B”	(c) “HG-15A” (Unit Only)
Speed Range & Adjustment		Max. 27,000 rpm (without load), Stepless		
Working Range		1 ~ 2,500ml		
Motor Rating (Input / Output)		Input : 300W , Output : 160 W		
Controller		Analog Phase Controller		
Standard Component Acc.		“HT1018” Dispersing Tool, “CL200” Clamp, “ST110” Stand	“HT1025” Dispersing Tool, “CL200” Clamp, “ST110” Stand	Unit Only
Safety Device		Over Heat Protector		
Usable Dispersing Tool		φ 8mm Stator “HT1008”, φ 10mm Stator “HT1010”, φ 18mm Stator “HT1018”, φ 25mm Stator “HT1025”		
Material		Aluminum Die-casting and ABS-Unit, Stainless steel (# 304)-Tool		
Permissible Temp. & Moisture		Ambient +5 ~ 50℃, 85%		
Extension Arm Size		φ 12.7 × L250mm		
Dimension & Weight		60 × 75 × h215mm, 2.5kg		
Packing Size & Gross Weight		320 × 300 × h190mm, 5 kg		
Power Consumption		160W		
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz		
Cat. No.	230V	DH.WHG02016	DH.WHG02017	DH.WHG02015
	120V	DH.WHG01016	DH.WHG01017	DH.WHG01015
Price, Each. ₩				

* Other Specifications are available upon Customer’s Request.

Spare Dispersing Tools & Clamp & Plate Stand

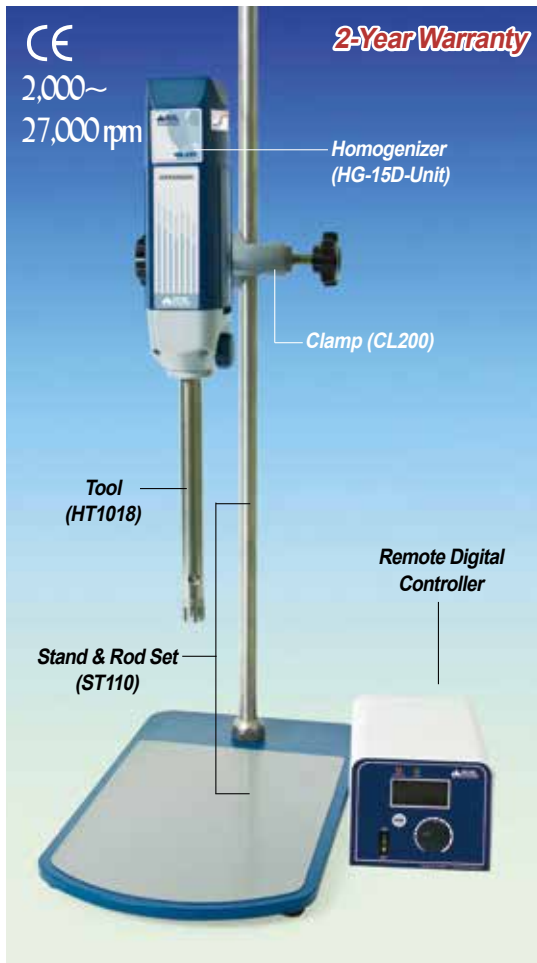


		Ea. Price, ₩
DH.WHG02108	(1) Dispersing Tool, “HT1008”, Rotor φ 6, Stator φ 8mm, 1~50ml	
DH.WHG02110	(2) Dispersing Tool, “HT1010”, Rotor φ 7.96, Stator φ 10mm, 1~100ml	
DH.WHG02118	(3) Dispersing Tool, “HT1018”, Rotor φ 12.8, Stator φ 18mm, 10~1000ml	
DH.WHG02125	(4) Dispersing Tool, “HT1025”, Rotor φ 20, Stator φ 25mm, 50~2500ml	
SL.Cla8011	Clamp, “CL200”, for Stirrer or Homogenizer, Cast Aluminum, Grip Capacity φ 23mm for Stand/Rod	
DH.WOS501510	Standard Plate Stand, “ST110”, for Stirrer or Homogenizer, φ 16 × h800 mm Rod, w20 × d35 cm Plate, with Silicone Pad	
DH.WOS501515	Wide Plate Stand, “ST120”, for Stirrer or Homogenizer, φ 23 × h1000 mm Rod, w30 × d40 cm Plate, with Silicone Pad	

* See page 98 for the Specifications of Dispersing Tools and Accessories.

Cat. No	Description	Articles
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DAIHAN-brand® Homogenizer with Remote Digital Controller “HG-15D”, 2,000~27,000rpm with Microprocessor Digital-Control, High-Efficiency Dispersing Tools, Back Light LCD, 1~2,500ml
디지털 균질기 / 호모게나이저, 분리형 리모트 컨트롤러, 초고속/저소음 모터



(a) Homogenizer with Remote Digital Controller “HG-15D-SET-A”

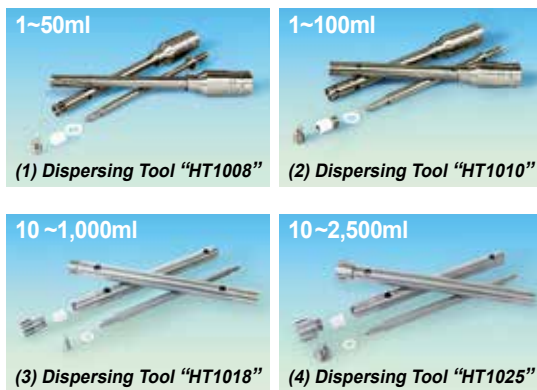
- Made in Korea ■ PL (Product Liability) Insurance ■ CE Certified
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Patented Jog-Shuttle Control System
- * Useful for All Dispersing and Homogenizing Applications
- * Designed for Liquid and Tissue Samples
- * High Speed / High Quality / Low Noise : Max. 27,000 RPM (without load)
- * Remote Digital Controller : Fully Digital Controlled by Using Microprocessor
- * Speed & Power Control Optimized for a Sample
- * LCD of Speed(RPM) and Power Bar Graph
- * High Efficiency Dispersing Tool made of Stainless steel and PTFE

Specifications & Ordering information

Spec.	Model	(a) “HG- 15D-Set-A”	(b) “HG- 15D-Set-B”	(c) “HG-15D” (Unit Only)
Speed Range & Resolution		2,000 ~ 27,000rpm (without load), 10 rpm-Control		
Working Range		1 ~ 2,500ml		
Motor Rating (Input / Output)		Input : 300W , Output : 160 W		
Timer & Alarm		10sec ~ 15min, Timer-end Alarm		
Display		Digital LCD with Back-Light Function		
Controller		Digital Feedback Controller (Remote Type)		
Standard Component Acc.		“HT1018” Dispersing Tool, “CL200”Clamp, “ST110”Stand	“HT1025” Dispersing Tool, “CL200”Clamp, “ST110”Stand	Unit Only
Safety Device		Over Load & Over Heat Protector		
Usable Dispersing Tool		φ 8mm Stator “HT1008”, φ 10mm Stator “HT1010”, φ 18mm Stator “HT1018”, φ 25mm Stator “HT1025”		
Material		Aluminum Die-casting and ABS-Unit, Stainless steel (# 304)-Tool		
Permissible Temp. & Moisture		Ambient +5 ~ 50℃, 85%		
Extension Arm Size		φ 12.7 × L250mm		
Dimension & Weight		60 × 75 × h215mm, 2.5kg		
Packing Size & Gross Weight		580 × 340 × h230mm, 6 kg		
Power Consumption		160W		
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz		

Cat. No.	230V	DH.WHG02019	DH.WHG02020	DH.WHG02018
		120V	DH.WHG01019	DH.WHG01020

* Other Specifications are available upon Customer's Request.



Spare Dispersing Tools & Clamp & Plate Stand

		Ea.	Price, ₩
DH.WHG02108	(1) Dispersing Tool, “HT1008”, Rotor φ 6, Stator φ 8mm , 1~50ml		
DH.WHG02110	(2) Dispersing Tool, “HT1010”, Rotor φ 7.96, Stator φ 10mm, 1~100ml		
DH.WHG02118	(3) Dispersing Tool, “HT1018”, Rotor φ 12.8, Stator φ 18mm, 10~1000ml		
DH.WHG02125	(4) Dispersing Tool, “HT1025”, Rotor φ 20 , Stator φ 25mm, 50~2500ml		
SL.Cla8011	Clamp, “CL200”, for Stirrer or Homogenizer, Cast Aluminum, Grip Capacity φ 23mm for Stand/Rod		
DH.WOS501510	Standard Plate Stand, “ST110”, for Stirrer or Homogenizer, φ 16 × h800 mm Rod, w20 × d35 cm Plate, with Silicone Pad		
DH.WOS501515	Wide Plate Stand, “ST120”, for Stirrer or Homogenizer, φ 23 × h1000 mm Rod, w30 × d40 cm Plate, with Silicone Pad		

※ See page 98 for the Specifications of Dispersing Tools and Accessories.

Articles

Cat. No

Description



Homogenizer Accessories, Dispersing Tools & Plate Stand for Homogenizer

- Accurate Stator & Rotor made of Stainless steel
- High Efficiency Dispersing Tool made of Stainless steel and PTFE
- Low Cost & High Efficiency

Model	(1)"HT1008"	(2)"HT1010"	(3)"HT1018"	(4)"HT1025"
Working Range	1 ~ 50ml	1 ~ 100ml	10 ~ 1,000ml	50 ~ 2,500ml
Stator Diameter	φ 8 mm	φ 10 mm	φ 18 mm	φ 25 mm
Rotor Diameter	φ 6 mm	φ 7.96 mm	φ 12.8mm	φ 20 mm
Gap between Rotor & Stator	0.25 mm	0.2 mm	0.25 mm	0.35 mm
Allowable Max. Speed	27,000 rpm		20,000 rpm	15,000 rpm
Immersion Depth Min.	35 mm		60 mm	
Immersion Depth Max	70 mm		130 mm	
Shaft Length	138 mm		225 mm	
Bearing Material	PTFE			
Suitable for Solvent	Yes			
Max. Temperature	180°C			
Sterilization Method	All Methods			
Suspensions & Emulsions	Suspension : 10 ~ 50 μ m, Emulsion : 1 ~ 10 μ m			

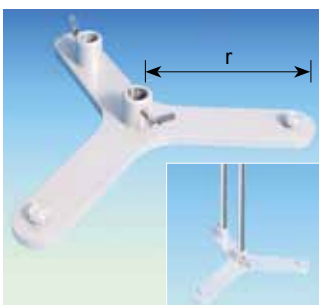
* Test Condition : 1.8 liters of water in the 2 liters capacity beaker.



Spare Dispersing Tool & Clamp & Plate Stand

- DH.WHG02108** (1) Dispersing Tool, "HT1008", Rotor φ 6, Stator φ 8mm, 1~50ml
- DH.WHG02110** (2) Dispersing Tool, "HT1010", Rotor φ 7.96, Stator φ 10mm, 1~100ml
- DH.WHG02118** (3) Dispersing Tool, "HT1018", Rotor φ 12.8, Stator φ 18mm, 10~1000ml
- DH.WHG02125** (4) Dispersing Tool, "HT1025", Rotor φ 20, Stator φ 25mm, 50~2500ml
- SL.Cla8011** (5) Clamp, "CL200", for Stirrer or Homogenizer, L135mm, Cast Aluminum, Grip Capacity φ 23mm for Stand/Rod
- DH.WOS501510** (6) Standard Plate Stand, "ST110", for Stirrer or Homogenizer, φ 16 × h800 mm Rod, w20 × d35 cm Plate, with Silicone Pad
- DH.WOS501515** (7) Wide Plate Stand, "ST120", for Stirrer or Homogenizer, φ 23 × h1000 mm Rod, w30 × d40 cm Plate, with Silicone Pad

Ea. Price, ₩



Steel Retort Base Duo Stand, up to φ 16mm Rods, for 2 Rods with Hinged Screw M6, Nonskid Feet equipped, Rod Excluded

- * Can Fix Rods up to 2ea (Below φ 16mm)
- * Stand Thickness : 8mm

Retort Stand, Only Stand Base

* Supplied by Usbeck® in Germany

- US.2040** Stand, "US2040", r = 150mm
- US.2041** , "US2041", r = 185mm

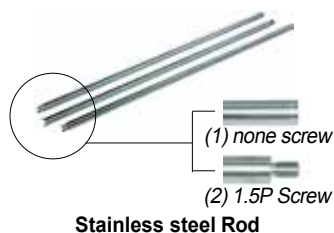
Optional Stainless steel Rod

- DH.WOS502001** Stainless-steel Rod, "RD501", φ 16 × h800mm, Non-screw
- DH.WOS502002** , "RD502", φ 16 × h1000mm, Non-screw
- DH.WOS502003** , "RD503", φ 16 × h1200mm, Non-screw

Ea. Price, ₩

Ea. Price, ₩

DAIHAN-brand® High-Quality Stainless-steel (#304) Rod. for Plate Stand, φ 16/23 mm



(1) Plain-type φ 16mm Rod, without Screw

- DH.WOS502001** Stainless-steel Rod, "RD501", φ 16 × h800mm, Non-screw
- DH.WOS502002** , "RD502", φ 16 × h1000mm, Non-screw
- DH.WOS502003** , "RD503", φ 16 × h1200mm, Non-screw
- DH.WOS502031** , "RD531", φ 23 × h800mm, Non-screw
- DH.WOS502033** , "RD533", φ 23 × h1200mm, Non-screw

Ea. Price, ₩

(2) 1.5P Screw-type φ 16 & 23mm Rod

- DH.WOS502011** Stainless-steel Rod, "RD511", φ 16 × h800mm, 1.5P Screw
- DH.WOS502012** , "RD512", φ 16 × h1000mm, 1.5P Screw
- DH.WOS502013** , "RD513", φ 16 × h1200mm, 1.5P Screw
- DH.WOS502021** , "RD521", φ 23 × h800mm, 1.5P Screw
- DH.WOS502022** , "RD522", φ 23 × h1000mm, 1.5P Screw
- DH.WOS502023** , "RD523", φ 23 × h1200mm, 1.5P Screw

Ea. Price, ₩

Cat. No	Description	Articles
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DAIHAN-brand® Homogenizing Stirrer “HS-30E”, for Tissue Grinder, 200~5,000rpm for Tissue Grinders, Analog Phase Control, without Tissue Grinder, with Certi. & Traceability, 호모케나이저 스티러



Homogenizing Stirrer Package-Set “HS-30E”

- Made in Korea ■ CE Certified ■ PL (Product Liability) Insurance
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Ideal for usage with Tissue Grinders
- * Designed for most Laboratory Applications such as Homogenizing or Mixing
- * Compact Unit with Solid State Speed Control

Specifications & Ordering information

Spec.	Model	“HS-30E”
Speed Range & Max. Torque		200 ~ 5,000 rpm, 85 Ncm
Stirring Capacity		Max. 10 Lit.
Motor Rating		Input : 83 W, Output : 75 W, 1/10 HP
Safety Device		Over Heat Protector
Controller		Analog Phase Controller
Dimension & Weight		90 × 145 × h180mm, 3.5 kg
Packing Size & Gross Weight		320 × 300 × h190mm, 5 kg
Power Consumption		75W
Electric Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz
Cat. No.	230V	DH.WOS01010
	120V	DH.WOS02010
Price, Each. ₩		
Component of Package-set		included “CL200” Clamp and “ST110” Stand-set(Rod, Plate)
Cat. No.	230V	DH.WOS01011
	120V	DH.WOS02011
Price, Each. ₩		

* Other Specifications are available upon Customer's Request.

※ Note! The Package does not include a Tissue Grinder

Cowie® Tissue Grinders, with PTFE Pestle Head · Borosilicate Glass Mortar, 2~50ml, Separately Good for Chemical/Heat Resistance, Standard- / Serrated-type PTFE Head Pestles, STS Pestle Rod is Perfect for Motor Drive, 티슈 그라인더



(3) Serrated-type Pestle

■ Supplied by Cowie® in U.K

- * Use for the Controlled Reduction of Particle Size and Homogenisation for a Variety of Substances, especially Biological Material.
- * The pestle head is pure PTFE and pestle rod Stainless-steel, ϕ 6.5mm
- * Pestle Length : 230~270mm * The Mortar is precision borosilicate glass.

(1) Glass Mortar, Borosilicate, 2~50ml

CW.011.102	Mortar, 2ml, ϕ 8 × l 120mm
CW.011.105	, 5ml, ϕ 12 × l 135mm
CW.011.110	, 10ml, ϕ 15 × l 150mm
CW.011.115	, 15ml, ϕ 19 × l 155mm
CW.011.130	, 30ml, ϕ 25 × l 175mm
CW.011.150	, 50ml, ϕ 32 × l 195mm

Ea. Price, ₩

(2) Standard-type Pestles

CW.011.202	Pestle, Standard-type, for 2ml, l 230mm
CW.011.205	, for 5ml, l 235mm
CW.011.210	, for 10ml, l 270mm
CW.011.215	, for 15ml, l 270mm
CW.011.230	, for 30ml, l 270mm
CW.011.250	, for 50ml, l 270mm

Ea. Price, ₩

(3) Serrated-type Pestles

CW.011.302	Pestle, Serrated-type, for 2ml, l 230mm
CW.011.305	, for 5ml, l 235mm
CW.011.310	, for 10ml, l 270mm
CW.011.315	, for 15ml, l 270mm
CW.011.330	, for 30ml, l 270mm
CW.011.350	, for 50ml, l 270mm

Ea. Price, ₩
