

Jump into the World!

Like a morning, Like an early spring



WiseTherm® WHM-series High-Quality Heating Mantles

Full choices of Vessel, Capacity, Housing and Control are offered !!

- Covering All Kind of Vessels : Spherical (Round) Flask Mantles, Pear-shape Flask Mantles, Beaker Mantles, Reaction Vessel Mantle and, Heating Tapes
- Covering All Sizes of Vessels :
 - 50, 100, 250, 500, 1000, 2000, 3000, 5000, 6000ml Round Flasks
 - 10, 20, 50, 100L Large Capacity Round Flasks
 - 100, 250, 400, 600, 800, 1000, 2000, 3000, 4000, 5000ml Beakers
 - 500, 1000, 2000, 3000, 5000, 6000, 7000ml Reaction Vessels
 - 10, 20, 50, 100L Large Capacity Reaction Vessels
 - 10, 25, 50, 100, 250ml Pear-shape Flasks
- Covering All Brands of Vessels : Schott-DURAN, IWAKI, PYREX and Kimble
- Various Choices of Housing : Aluminum housed Mantles, Fabric Mantles, Steel housed Mantles for Large Capacity Vessels
- Various Choices of Functionality : Mantle - only, Mantle with Heating Control, Mantle with Heating/Stirring Control, Remote Digital Feedback Thermo Controller

Powered by **WisD** Digital Control Technology

- Maximum Temperature : 450 °C (Standard model) or 650 °C (High-Temp model)
- Highly-processed Aluminum Case offers robust standing, easy handling and **usability on the magnetic stirrer**
- Optional remote thermo controllers are available (Analog or Digital)
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**
- **K-type thermo sensor** is basically embedded (except Fabric Mantles) which enables precise control of the mantles when used together with remote digital controller.
- Feedback temperature control is supported with remote Digital Controller.
- **External thermo sensor is available**, which enables precise control of the temperature of liquid sample in the vessel when used together with remote digital controller.



“DAIHAN” *WiseTherm*[®] WHM Aluminum-case Heating Mantles with Controller New

Ideal for DURAN/Kimax /Pyrex & Iwaki-brand Round flasks For Spherical flask, 50~10,000ml, 450°C

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)	Application (Flask-brand)
with 230V	with 110V							
DH.WHM12010	DH.WHM12020	50	49 ~ 52	80	40	$\phi 145 \times H140$	$\phi 13 \times H440$	Common-use
DH.WHM12011	DH.WHM12021	100	63 ~ 66	80	40	$\phi 145 \times H140$	$\phi 13 \times H440$	Common-use
DH.WHM12012	DH.WHM12022	250	83 ~ 86	140	50	$\phi 145 \times H140$	$\phi 13 \times H440$	Common-use
DH.WHM12013	DH.WHM12023	500	102 ~ 105	240	65	$\phi 190 \times H165$	$\phi 13 \times H440$	Common-use
DH.WHM12014	DH.WHM12024	1,000	130 ~ 133	350	75	$\phi 190 \times H165$	$\phi 13 \times H440$	Common-use
DH.WHM12015	DH.WHM12025	2,000	165 ~ 169	450	100	$\phi 270 \times H200$	$\phi 13 \times H660$	for DU/Iw.
DH.WHM120151	DH.WHM120251	2,000	161 ~ 164	450	100	$\phi 270 \times H200$	$\phi 13 \times H660$	for Ki/Py.
DH.WHM12016	DH.WHM12026	3,000	184 ~ 187	550	105	$\phi 270 \times H200$	$\phi 13 \times H660$	for DU/Ki.
DH.WHM12017	DH.WHM12027	5,000	221 ~ 224	800	131	$\phi 325 \times H226$	$\phi 13 \times H800$	Common-use
DH.WHM12018	DH.WHM12028	6,000	234 ~ 237	800	131	$\phi 325 \times H226$	$\phi 13 \times H800$	for DU/Ki.
DH.WHM12019	DH.WHM12029	10,000 ☆	278 ~ 282	1400	150	$\phi 390 \times H240$	$\phi 13 \times H800$	for DU.

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex ※ Available for “IWAKI” Flask 3000ml.

☆-marked 10,000ml Mantle Steel-case / Magnetic Stirring is not available.

Features

- Full choices of Vessel, Capacity, Housing and Control are offered !
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**



“DAIHAN” *WiseTherm*[®] WHM Aluminum-case Stirrer Heating Mantles with Controller New

Ideal for DURAN/Kimax/Pyrex & Iwaki-brand Round flasks, for Spherical flask 50~6,000ml 450°C, 50~750rpm

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)	Application (Flask-brand)
with 230V	with 110V							
DH.WHM12030	DH.WHM12040	50	49 ~ 52	80	40	$\phi 145 \times H140$	$\phi 13 \times H440$	Common-use
DH.WHM12031	DH.WHM12041	100	63 ~ 66	80	40	$\phi 145 \times H140$	$\phi 13 \times H440$	Common-use
DH.WHM12032	DH.WHM12042	250	83 ~ 86	140	50	$\phi 145 \times H140$	$\phi 13 \times H440$	Common-use
DH.WHM12033	DH.WHM12043	500	102 ~ 105	240	65	$\phi 190 \times H165$	$\phi 13 \times H440$	Common-use
DH.WHM12034	DH.WHM12044	1,000	130 ~ 133	350	75	$\phi 190 \times H165$	$\phi 13 \times H440$	Common-use
DH.WHM12035	DH.WHM12045	2,000	165 ~ 169	450	100	$\phi 270 \times H200$	$\phi 13 \times H660$	for DU/Iw.
DH.WHM120351	DH.WHM120451	2,000	161 ~ 164	450	100	$\phi 270 \times H200$	$\phi 13 \times H660$	for Ki/Py.
DH.WHM12036	DH.WHM12046	3,000	184 ~ 187	550	105	$\phi 270 \times H200$	$\phi 13 \times H660$	for DU/Ki.
DH.WHM12037	DH.WHM12047	5,000	221 ~ 224	800	131	$\phi 325 \times H226$	$\phi 13 \times H800$	Common-use
DH.WHM12038	DH.WHM12048	6,000	234 ~ 237	800	131	$\phi 325 \times H226$	$\phi 13 \times H800$	for DU/Ki.

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex ※ Available for “IWAKI” Flask 3000ml.

Features

- Full choices of Vessel, Capacity, Housing and Control are offered !
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**

“DAIHAN” *WiseTherm*[®] WHM Aluminum-case Heating Mantles, 450 °C New
 Can be used with Magnetic Stirrers. Digital Feedback Controller, Separately, for Spherical flask 50 ~ 6,000ml
 Ideal for DURAN/Kimax/Pyrex & Iwaki-brand Round flasks, **K-type Thermo-sensor integrated**

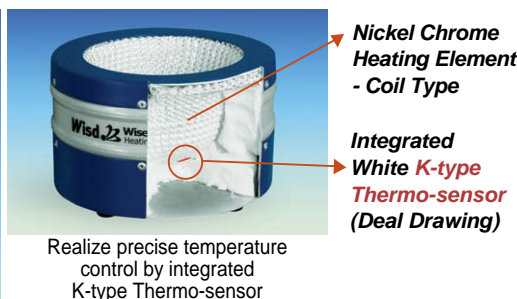
Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)	Application (Flask-brand)
with 230V	with 110V							
DH.WHM12050	DH.WHM12060	50	49 ~ 52	80	48	$\phi 145 \times H75$	$\phi 13 \times H440$	Common-use
DH.WHM12051	DH.WHM12061	100	63 ~ 66	80	50	$\phi 145 \times H75$	$\phi 13 \times H440$	Common-use
DH.WHM12052	DH.WHM12062	250	83 ~ 86	140	50	$\phi 145 \times H75$	$\phi 13 \times H440$	Common-use
DH.WHM12053	DH.WHM12063	500	102 ~ 105	240	85	$\phi 190 \times H110$	$\phi 13 \times H440$	Common-use
DH.WHM12054	DH.WHM12064	1,000	130 ~ 133	350	85	$\phi 190 \times H110$	$\phi 13 \times H440$	Common-use
DH.WHM12055	DH.WHM12065	2,000	165 ~ 169	450	110	$\phi 270 \times H135$	$\phi 13 \times H660$	for DU/Iw.
DH.WHM120551	DH.WHM120651	2,000	161 ~ 164	450	110	$\phi 270 \times H135$	$\phi 13 \times H660$	for Ki/Py.
DH.WHM12056	DH.WHM12066	3,000	184 ~ 187	550	110	$\phi 270 \times H135$	$\phi 13 \times H660$	for DU/Ki.
DH.WHM12057	DH.WHM12067	5,000	221 ~ 224	800	140	$\phi 325 \times H165$	$\phi 13 \times H800$	Common-use
DH.WHM12058	DH.WHM12068	6,000	234 ~ 237	800	140	$\phi 325 \times H165$	$\phi 13 \times H800$	for DU/Ki.

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex
 ● Option : Digital Controller

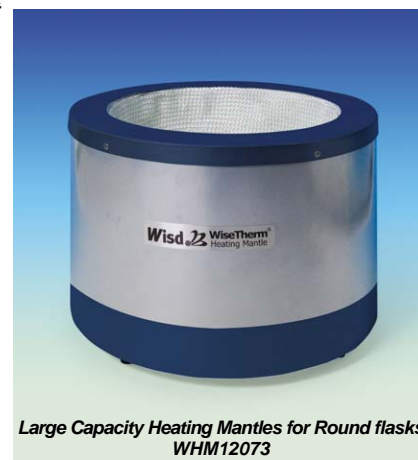
※ Available for “IWAKI” Flask 3000ml.

Features

- Full choices of Vessel, Capacity, Housing and Control are offered !
- Highly-processed Aluminum Case offers robust standing, easy handling and **usability on the magnetic stirrer.**
- Optional remote thermo controllers are available (Analog or Digital)
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**
- **K-type thermo sensor** is basically embedded (except Fabric Mantles)
- **External thermo sensor is available.**



Digital all-purpose Controller (Optional, See page 47)



“DAIHAN” *WiseTherm*[®] WHM 10~100Lit, Large Capacity Heating Mantles, with Steel case New
 Digital Feedback Controller Separately, for Spherical flask, Magnetic Stirring non available, 450 °C
K-type Thermo-sensor integrated

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)	Application (Flask-brand)
with 230V	with 110V							
DH.WHM12073	DH.WHM12083	10	278 ~ 282	1400	160	$\phi 390 \times H240$	$\phi 13 \times H800$	for DU.
DH.WHM12074	DH.WHM12084	20	344 ~ 348	2000	200	$\phi 470 \times H260$	$\phi 13 \times H800$	for DU.
DH.WHM12075	DH.WHM12085	50	489 ~ 494	4000	282	$\phi 680 \times H360$	$\phi 13 \times H800$	Common-use
DH.WHM12076	DH.WHM12086	100	609 ~ 614	6000	350	$\phi 840 \times H440$	n/a	Common-use

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex
 ● Option : Digital Controller

※ Available for “IWAKI” Flask 3000ml.

Features

- Full choices of Vessel, Capacity, Housing and Control are offered !
- Optional remote thermo controllers are available (Analog or Digital)
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**
- **K-type thermo sensor** is basically embedded (except Fabric Mantles)
- **External thermo sensor is available.**

“DAIHAN” WiseTherm® WHM High-temperature Aluminum-case Heating Mantles, 650°C ^{New}
 Can be used with Magnetic Stirrers. Digital Feedback Controller Separately, for Spherical flask 100 ~ 10,000ml
 Ideal for DURAN/Kimax/Pyrex & Iwaki-brand Round flasks, K-type Thermo-sensor integrated

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)	Application (Flask-brand)
with 230V	with 110V							
DH.WHM12091	DH.WHM12101	100	63 ~ 66	120	50	$\phi 145 \times H75$	$\phi 13 \times H440$	Common-use
DH.WHM12092	DH.WHM12102	250	83 ~ 86	200	50	$\phi 145 \times H75$	$\phi 13 \times H440$	Common-use
DH.WHM12093	DH.WHM12103	500	102 ~ 105	350	85	$\phi 190 \times H110$	$\phi 13 \times H440$	Common-use
DH.WHM12094	DH.WHM12104	1,000	130 ~ 133	450	85	$\phi 190 \times H110$	$\phi 13 \times H440$	Common-use
DH.WHM12095	DH.WHM12105	2,000	165 ~ 169	600	110	$\phi 270 \times H135$	$\phi 13 \times H660$	for DU/Iw.
DH.WHM120951	DH.WHM121051	2,000	161 ~ 164	600	110	$\phi 270 \times H135$	$\phi 13 \times H660$	for Ki/Py.
DH.WHM12096	DH.WHM12106	3,000	184 ~ 187	700	110	$\phi 270 \times H135$	$\phi 13 \times H660$	for DU/Ki.
DH.WHM12097	DH.WHM12107	,000	221 ~ 224	1200	140	$\phi 325 \times H165$	$\phi 13 \times H800$	Common-use
DH.WHM12098	DH.WHM12108	6,000	234 ~ 237	1200	140	$\phi 325 \times H165$	$\phi 13 \times H800$	for DU/Ki.
DH.WHM12099	DH.WHM12109	10,000 ☆	278 ~ 282	1800	160	$\phi 390 \times H240$	$\phi 13 \times H800$	for DU.

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex
 ☆-marked 10,000ml Mantle Steel-case / Magnetic Stirring is not available.

※ Available for “IWAKI” Flask 3000ml.
 ● Option : Digital Controller

Features

- Full choices of Vessel, Capacity, Housing and Control are offered !
- Highly-processed Aluminum Case offers robust standing, easy handling and **usability on the magnetic stirrer.**
- Optional remote thermo controllers are available (Analog or Digital)
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**
- **K-type thermo sensor is basically embedded (except Fabric Mantles)**
- **External thermo sensor is available**



Realize precise temperature control by integrated K-type Thermo-sensor

Digital all-purpose Controller (Optional, See page 47)



“DAIHAN” WiseTherm® WHM Fabric-housed Heating Mantles, Self-standing ^{New}
 Digital Feedback Controller Separately, for Spherical flask 50 ~ 10,000ml, 450°C
 Ideal for DURAN/Kimax/Pyrex & Iwaki-brand Round flasks

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Application (Flask-brand)
with 230V	with 110V						
DH.WHM12110	DH.WHM12120	50	49 ~ 52	80	30	$\phi 80 \times H55$	Common-use
DH.WHM12111	DH.WHM12121	100	63 ~ 66	80	40	$\phi 100 \times H65$	Common-use
DH.WHM12112	DH.WHM12122	250	83 ~ 86	140	50	$\phi 125 \times H75$	Common-use
DH.WHM12113	DH.WHM12123	500	102 ~ 105	240	60	$\phi 155 \times H85$	Common-use
DH.WHM12114	DH.WHM12124	1,000	130 ~ 133	350	75	$\phi 191 \times H100$	Common-use
DH.WHM12115	DH.WHM12125	2,000	165 ~ 169	450	95	$\phi 226 \times H120$	ideal for DU./Iwa.
DH.WHM121151	DH.WHM121251	2,000	161 ~ 164	450	95	$\phi 226 \times H120$	ideal for Kim./Py.
DH.WHM12116	DH.WHM12126	3,000	184 ~ 187	550	105	$\phi 255 \times H130$	ideal for DU./Kim.
DH.WHM12117	DH.WHM12127	5,000	221 ~ 224	800	130	$\phi 293 \times H155$	Common-use
DH.WHM12118	DH.WHM12128	6,000	234 ~ 237	800	135	$\phi 310 \times H160$	for DU/Kim.
DH.WHM12119	DH.WHM12129	10,000	278 ~ 282	1400	160	$\phi 365 \times H185$	for DU.

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex

※ Available for “IWAKI” Flask 3000ml.

● Option : Digital Controller

Features

- Full choices of Vessel, Capacity, Housing and Control are offered !
- Optional remote thermo controllers are available (Analog or Digital)
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**
- **External thermo sensor is available.**



“DAIHAN” *WiseTherm*[®] WHM Heating Mantles Tops/Covers with Fabric-housing New

For the Upper half of 1 · 2 · 3-neck Flasks, Digital Feedback Controller Separately

Can be used with both Mantles of Fabric-case and Metal-case, Universal Type

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Application (Flask-brand)
with 230V	with 110V					
DH.WHM121301	DH.WHM121311	250	83 ~ 86	100	120	Common-use
DH.WHM121302	DH.WHM121312	500	102 ~ 105	140	140	Common-use
DH.WHM121303	DH.WHM121313	1,000	130 ~ 133	240	180	Common-use
DH.WHM121304	DH.WHM121314	2,000	165 ~ 169	350	220	Common-use
DH.WHM121305	DH.WHM121315	3,000	184 ~ 187	400	235	Common-use
DH.WHM121306	DH.WHM121316	5,000	221 ~ 224	550	275	Common-use
DH.WHM121307	DH.WHM121317	10,000	278 ~ 282	700	350	Common-use
DH.WHM121308	DH.WHM121318	20,000	344 ~ 348	1600	430	Common-use
DH.WHM121309	DH.WHM121319	50,000	489 ~ 494	2000	590	Common-use
DH.WHM121310	DH.WHM121320	100,000	609 ~ 614	4000	730	Common-use

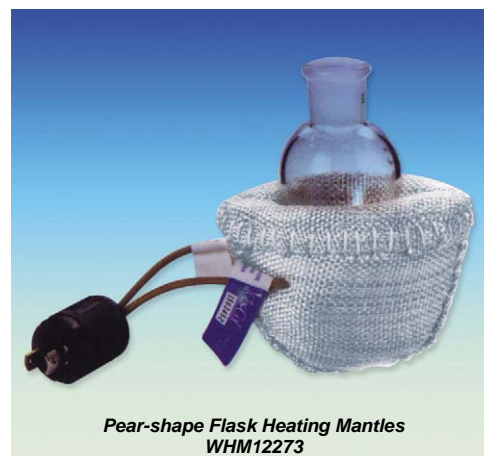
● Option : Digital Controller

Features

- Full choices of Vessel, Capacity, Housing and Control are offered !
- Optional remote thermo controllers are available (Analog or Digital)
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**
- **External thermo sensor is available**, which enables precise control of the temperature of liquid sample in the vessel when used together with remote digital controller.



Digital all-purpose Controller
(Optional, See page 47)



“DAIHAN” *WiseTherm*[®] WHM Pear-shape Flask Heating Mantles, 10~250ml, 450°C New

Catalog No.		Flask Capacity (ml)	Flask dia. ϕ Approx. (mm)	Watts & Voltage	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)
with 230V	with 110V					
DH.WHM12271	DH.WHM12281	10	30 ~ 33	20W 30V	35	$\phi 45 \times H40$
DH.WHM12272	DH.WHM12282	25	40 ~ 43	20W 60V	40	$\phi 60 \times H50$
DH.WHM12273	DH.WHM12283	50	50 ~ 53	85W 60V	50	$\phi 70 \times H60$
DH.WHM12274	DH.WHM12284	100	59 ~ 62	80W 110V	55	$\phi 90 \times H70$
DH.WHM12275	DH.WHM12285	250	80 ~ 83	140W 110V	65	$\phi 120 \times H80$

※ Customize of vessel dia. $\phi \times$ height(cm) and Inside depth(mm) can be offered.

Features

- Full choices of Vessel, Capacity, Housing and Control are offered !
- Optional remote thermo controllers are available (Analog or Digital)
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**
- **External thermo sensor is available**, which enables precise control of the temperature of liquid sample in the vessel when used together with remote digital controller.

“DAIHAN” *WiseTherm*[®] WHM Aluminum-case Beaker Heating Mantles with Controller New

Ideal for DURAN / Iwaki / Kimax / Pyrex-brand Beakers, 100 ~ 5,000ml, 450°C

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)	Application (Flask-brand)
with 230V	with 110V							
DH.WHM12141	DH.WHM12151	100	50 ~ 52	80	40	$\phi 145 \times H105$	$\phi 13 \times H440$	Common-use
DH.WHM12142	DH.WHM12152	250	68 ~ 70	140	65	$\phi 145 \times H140$	$\phi 13 \times H440$	Common-use
DH.WHM12143	DH.WHM12153	400	79 ~ 81	240	70	$\phi 145 \times H140$	$\phi 13 \times H440$	for DU.
DH.WHM121431	DH.WHM121531	400	76 ~ 78	240	75	$\phi 145 \times H140$	$\phi 13 \times H440$	for Iw/Ki/Py.
DH.WHM12144	DH.WHM12154	600	88 ~ 90	240	75	$\phi 145 \times H140$	$\phi 13 \times H440$	Common-use
DH.WHM12145	DH.WHM12155	800	98 ~ 100	300	90	$\phi 190 \times H165$	$\phi 13 \times H440$	Common-use
DH.WHM12146	DH.WHM12156	1,000	105 ~ 108	350	90	$\phi 190 \times H165$	$\phi 13 \times H440$	Common-use
DH.WHM12147	DH.WHM12157	2,000	130 ~ 132	450	125	$\phi 270 \times H200$	$\phi 13 \times H660$	Common-use
DH.WHM12148	DH.WHM12158	3,000	151 ~ 153	550	160	$\phi 270 \times H235$	$\phi 13 \times H660$	for DU/Iw.
DH.WHM121481	DH.WHM121581	4,000	160 ~ 162	700	160	$\phi 270 \times H235$	$\phi 13 \times H660$	for Ki/Py.
DH.WHM12149	DH.WHM12159	5,000	169 ~ 171	800	160	$\phi 270 \times H235$	$\phi 13 \times H660$	for DU.

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex

Features

- Full choices of Vessel, Capacity, Housing and Control are offered !
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**



Beaker Heating Mantles with Controller
WHM12146



Stirrer Beaker Heating Mantles with Controller
WHM121606

“DAIHAN” *WiseTherm*[®] WHM Aluminum-case Stirrer Beaker Mantles with Controller New

Ideal for DURAN / Iwaki / Kimax / Pyrex-brand Beakers, 100 ~ 5,000ml, 450°C

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)	Application (Flask-brand)
with 230V	with 110V							
DH.WHM121601	DH.WHM121611	100	50 ~ 52	80	45	$\phi 145 \times H140$	$\phi 13 \times H440$	Common-use
DH.WHM121602	DH.WHM121612	250	68 ~ 70	140	70	$\phi 190 \times H165$	$\phi 13 \times H440$	Common-use
DH.WHM121603	DH.WHM121613	400	79 ~ 81	240	70	$\phi 190 \times H165$	$\phi 13 \times H440$	for DU.
DH.WHM121604	DH.WHM121614	400	76 ~ 78	240	70	$\phi 190 \times H165$	$\phi 13 \times H440$	for Iw/Ki/Py.
DH.WHM121605	DH.WHM121615	600	88 ~ 90	240	72	$\phi 190 \times H165$	$\phi 13 \times H440$	Common-use
DH.WHM121606	DH.WHM121616	1,000	105 ~ 108	350	105	$\phi 270 \times H200$	$\phi 13 \times H440$	Common-use
DH.WHM121607	DH.WHM121617	2,000	130 ~ 132	450	140	$\phi 270 \times H235$	$\phi 13 \times H660$	Common-use
DH.WHM121608	DH.WHM121618	3,000	151 ~ 153	550	140	$\phi 270 \times H235$	$\phi 13 \times H660$	for DU/Iw.
DH.WHM121609	DH.WHM121619	4,000	160 ~ 162	700	170	$\phi 325 \times H270$	$\phi 13 \times H660$	for Ki/Py.
DH.WHM121610	DH.WHM121620	5,000	169 ~ 171	800	170	$\phi 325 \times H270$	$\phi 13 \times H660$	for DU.

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex

Features

- Full choices of Vessel, Capacity, Housing and Control are offered !
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**

“DAIHAN” *WiseTherm*[®] WHM Aluminum-case Beaker Heating Mantles ^{New}

Can be used Magnetic Stirrers. Digital Feedback Controller Separately, 100 ~ 10,000ml, 450 °C
Ideal for DURAN/Iwaki/Kimax/Pyrex-brand Beakers, *K-type Thermo-sensor integrated*

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)	Application (Flask-brand)
with 230V	with 110V							
DH.WHM12170	DH.WHM12180	100	50 ~ 52	80	50	$\phi 145 \times H75$	$\phi 13 \times H440$	Common-use
DH.WHM12171	DH.WHM12181	250	68 ~ 70	140	50	$\phi 145 \times H75$	$\phi 13 \times H440$	Common-use
DH.WHM12172	DH.WHM12182	400	79 ~ 81	240	85	$\phi 145 \times H110$	$\phi 13 \times H440$	for DU.
DH.WHM121721	DH.WHM121821	400	76 ~ 78	240	85	$\phi 145 \times H110$	$\phi 13 \times H440$	for Iw/Ki/Py.
DH.WHM12173	DH.WHM12183	600	88 ~ 90	240	85	$\phi 145 \times H110$	$\phi 13 \times H440$	Common-use
DH.WHM12174	DH.WHM12184	800	98 ~ 100	300	90	$\phi 145 \times H110$	$\phi 13 \times H440$	Common-use
DH.WHM12175	DH.WHM12185	1,000	105 ~ 108	350	115	$\phi 145 \times H140$	$\phi 13 \times H440$	Common-use
DH.WHM12176	DH.WHM12186	2,000	130 ~ 132	450	140	$\phi 190 \times H165$	$\phi 13 \times H660$	Common-use
DH.WHM12177	DH.WHM12187	3,000	151 ~ 153	550	175	$\phi 270 \times H200$	$\phi 13 \times H660$	for DU/Iw.
DH.WHM12178	DH.WHM12188	4,000	160 ~ 162	700	175	$\phi 270 \times H200$	$\phi 13 \times H660$	for Ki/Py.
DH.WHM12179	DH.WHM12189	5,000	169 ~ 171	800	175	$\phi 270 \times H200$	$\phi 13 \times H660$	for DU.
DH.WHM121791	DH.WHM121891	10,000	216 ~ 219	1400	245	$\phi 325 \times H270$	$\phi 13 \times H660$	for DU.

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex

Features

- Full choices of Vessel, Capacity, Housing and Control are offered !
- Highly-processed Aluminum Case offers robust standing, easy handling and *usability on the magnetic stirrer.*
- Optional remote thermo controllers are available (Analog or Digital)
- *Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.*
- *K-type thermo sensor is basically embedded (except Fabric Mantles)*
- *External thermo sensor is available.*



Realize precise temperature control by integrated K-type Thermo-sensor

Digital all-purpose Controller (Optional, See page 47)



“DAIHAN” *WiseTherm*[®] WHM Fabric-housed Beaker Heating Mantles, 450 °C ^{New}

Ideal for DURAN/Iwaki/Kimax/Pyrex-brand Beakers, Digital Feedback Controller Separately, 50 ~ 5,000ml

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)	Application (Flask-brand)
with 230V	with 110V							
DH.WHM12190	DH.WHM12200	50	41 ~ 43	80	40	$\phi 80 \times H65$	$\phi 13 \times H440$	Common-use
DH.WHM12191	DH.WHM12201	100	50 ~ 52	80	50	$\phi 90 \times H75$	$\phi 13 \times H440$	Common-use
DH.WHM12192	DH.WHM12202	250	68 ~ 70	140	60	$\phi 110 \times H85$	$\phi 13 \times H440$	Common-use
DH.WHM12193	DH.WHM12203	400	79 ~ 81	240	80	$\phi 120 \times H105$	$\phi 13 \times H440$	for DU.
DH.WHM121931	DH.WHM122031	400	76 ~ 78	240	80	$\phi 120 \times H105$	$\phi 13 \times H440$	for Iw/Ki/Py.
DH.WHM12194	DH.WHM12204	600	88 ~ 90	240	95	$\phi 130 \times H115$	$\phi 13 \times H440$	Common-use
DH.WHM12195	DH.WHM12205	800	98 ~ 100	300	95	$\phi 130 \times H115$	$\phi 13 \times H440$	Common-use
DH.WHM12196	DH.WHM12206	1,000	105 ~ 108	350	110	$\phi 160 \times H135$	$\phi 13 \times H660$	Common-use
DH.WHM12197	DH.WHM12207	2,000	130 ~ 132	450	150	$\phi 190 \times H175$	$\phi 13 \times H660$	Common-use
DH.WHM12198	DH.WHM12208	3,000	151 ~ 153	550	170	$\phi 220 \times H195$	$\phi 13 \times H660$	for DU/Iw.
DH.WHM121981	DH.WHM122081	4,000	160 ~ 162	700	180	$\phi 240 \times H225$	$\phi 13 \times H660$	for Ki/Py.
DH.WHM12199	DH.WHM12209	5,000	169 ~ 171	800	200	$\phi 220 \times H205$	$\phi 13 \times H660$	for DU.

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex

Features

- Full choices of Vessel, Capacity, Housing and Control are offered !
- Optional remote thermo controllers are available (Analog or Digital)
- *Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.*
- *External thermo sensor is available.*

“DAIHAN” WiseTherm® WHM Reaction Vessel Heating Mantles, 450°C ^{New}
 Digital Feedback Controller Separately, for Cylindrical K-type Thermo-sensor integrated, 0.5 ~ 100Lit



Nickel Chrome Heating Element - Coil Type
Integrated White K-type Thermo-sensor (Deal Drawing)

Realize precise temperature control by integrated K-type Thermo-sensor



Digital all-purpose Controller (Optional, See page 47)



Reaction Vessel Heating Mantles WHM12217

With Aluminum Case, 0.5~10Lit., Can be used with Magnetic Stirrers.

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)
with 230V	with 110V						
DH.WHM12211	DH.WHM12221	500	$\phi 11 \times H10$	240	80	$\phi 145 \times H105$	$\phi 13 \times H660$
DH.WHM12212	DH.WHM12222	1,000	$\phi 11 \times H15$	350	115	$\phi 145 \times H140$	$\phi 13 \times H660$
DH.WHM12213	DH.WHM12223	2,000	$\phi 13 \times H19$	450	140	$\phi 190 \times H165$	$\phi 13 \times H660$
DH.WHM12214	DH.WHM12224	3,000	$\phi 13 \times H28$	550	210	$\phi 270 \times H235$	$\phi 13 \times H800$
DH.WHM12215	DH.WHM12225	5,000	$\phi 16 \times H29$	800	210	$\phi 270 \times H235$	$\phi 13 \times H800$
DH.WHM12216	DH.WHM12226	6,000	$\phi 21.5 \times H24$	800	210	$\phi 270 \times H235$	$\phi 13 \times H800$
DH.WHM122161	DH.WHM122261	7,000	$\phi 21.5 \times H25$	850	210	$\phi 270 \times H235$	$\phi 13 \times H800$
DH.WHM12217	DH.WHM12227	10,000	$\phi 21.5 \times H33$	1400	245	$\phi 325 \times H270$	$\phi 13 \times H800$
DH.WHM122171	DH.WHM122271	10,000	$\phi 24 \times H31$	1400	245	$\phi 325 \times H270$	$\phi 13 \times H800$

※ Customize of vessel dia. $\phi \times$ height(cm) and Inside depth(mm) can be offered.

With Steel Case, 20~100Lit., Impossible Magnetic Stirrers.

Catalog No.		Flask Capacity (Lit.)	Flask Dia. ϕ (mm)	Watts (kW)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)
with 230V	with 110V						
DH.WHM12218	DH.WHM12228	20	$\phi 27 \times H45$	2	360	$\phi 390 \times H410$	$\phi 13 \times H800$
DH.WHM122181	DH.WHM122281	20	$\phi 29 \times H42$	2	360	$\phi 390 \times H410$	$\phi 13 \times H800$
DH.WHM12219	DH.WHM12229	50	$\phi 31.5 \times H81$	4	720	$\phi 470 \times H800$	$\phi 13 \times H800$
DH.WHM12220	DH.WHM12230	100	$\phi 41.5 \times H91$	6	800	$\phi 570 \times H900$	$\phi 13 \times H800$

※ Customize of vessel dia. $\phi \times$ height(cm) and Inside depth(mm) can be offered.

Features

- Full choices of Vessel, Capacity, Housing and Control are offered !
- Highly-processed Aluminum Case offers robust standing, easy handling and **usability on the magnetic stirrer.**
- Optional remote thermo controllers are available (Analog or Digital)
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**
- **K-type thermo sensor** is basically embedded (except Fabric Mantles) which enables precise control of the mantles when used together with remote digital controller.
- **External thermo sensor is available**, which enables precise control of the temperature of liquid sample in the vessel when used together with remote digital controller.

“DAIHAN” **WiseTherm® WHM** Reaction Vessel Mantle with Bottom-Outlet ^{New!}
 Digital Feedback Controller Separately, for Cylindrical, **K-type Thermo-sensor integrated**, 0.5 ~ 100Lit. 450 °C



Nickel Chrome Heating Element - Coil Type

Integrated White K-type Thermo-sensor (Deal Drawing)

Realize precise temperature control by integrated K-type Thermo-sensor

Digital all-purpose Controller (Optional, See page 47)



With Aluminum Case, 0.5~10Lit.

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Bottom Outlet (Hole) L \times w (mm)	Support Rod $\phi \times H$ (mm)
with 230V	with 110V							
DH.WHM12231	DH.WHM12241	500	$\phi 11 \times H10$	240	80	$\phi 145 \times H105$	L72 \times w40	$\phi 13 \times H660$
DH.WHM12232	DH.WHM12242	1,000	$\phi 11 \times H15$	350	115	$\phi 145 \times H140$	L72 \times w40	$\phi 13 \times H660$
DH.WHM12233	DH.WHM12243	2,000	$\phi 13 \times H19$	450	140	$\phi 190 \times H165$	L72 \times w40	$\phi 13 \times H800$
DH.WHM12234	DH.WHM12244	3,000	$\phi 13 \times H28$	550	210	$\phi 270 \times H235$	L120 \times w70	$\phi 13 \times H800$
DH.WHM12235	DH.WHM12245	5,000	$\phi 16 \times H29$	800	210	$\phi 270 \times H235$	L120 \times w70	$\phi 13 \times H800$
DH.WHM12236	DH.WHM12246	6,000	$\phi 21.5 \times H24$	800	210	$\phi 270 \times H235$	L120 \times w70	$\phi 13 \times H800$
DH.WHM122361	DH.WHM122461	7,000	$\phi 21.5 \times H25$	850	210	$\phi 270 \times H235$	L120 \times w70	$\phi 13 \times H800$
DH.WHM12237	DH.WHM12247	10,000	$\phi 21.5 \times H33$	1400	250	$\phi 325 \times H270$	L120 \times w70	$\phi 13 \times H800$
DH.WHM122371	DH.WHM122471	10,000	$\phi 24 \times H31$	1400	250	$\phi 325 \times H270$	L120 \times w70	$\phi 13 \times H800$

※ Customize of vessel dia. $\phi \times$ height(cm) and Inside depth(mm) can be offered.

With Steel Case, 20~100Lit.

Catalog No.		Flask Capacity (Lit.)	Flask Dia. ϕ (mm)	Watts (kW)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Bottom Outlet (Hole) L \times w (mm)	Support Rod $\phi \times H$ (mm)
with 230V	with 110V							
DH.WHM12238	DH.WHM12248	20	$\phi 27 \times H45$	2	360	$\phi 390 \times H410$	L120 \times w70	$\phi 13 \times H800$
DH.WHM122381	DH.WHM122481	20	$\phi 29 \times H42$	2	360	$\phi 390 \times H410$	L120 \times w70	$\phi 13 \times H800$
DH.WHM12239	DH.WHM12249	50	$\phi 31.5 \times H81$	4	720	$\phi 470 \times H800$	L120 \times w70	$\phi 13 \times H800$
DH.WHM12240	DH.WHM12250	100	$\phi 41.5 \times H91$	6	800	$\phi 570 \times H850$	L120 \times w70	$\phi 13 \times H800$

※ Customize of vessel dia. $\phi \times$ height(cm) and Inside depth(mm) can be offered.

Features

- Full choices of Vessel, Capacity, Housing and Control are offered !
- Optional remote thermo controllers are available (Analog or Digital)
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**
- **K-type thermo sensor** is basically embedded (except Fabric Mantles)

which enables precise control of the mantles when used together with remote digital controller.

- **External thermo sensor is available**, which enables precise control of the temperature of liquid sample in the vessel when used together with remote digital controller.

“DAIHAN” *WiseTherm*[®] WHM Aluminum-case Stirrer Reaction Vessel Mantles, with Controller New! For Cylindrical 500 ~ 7,000ml, 450°C

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Application (Flask-brand)
with 230V	with 110V						
DH.WHM722100	DH.WHM12210A	500	$\phi 11 \times H10$	240	72	$\phi 190 \times H165$	$\phi 13 \times H660$
DH.WHM722101	DH.WHM12210B	1,000	$\phi 11 \times H15$	350	107	$\phi 270 \times H200$	$\phi 13 \times H660$
DH.WHM722102	DH.WHM12210C	2,000	$\phi 13 \times H19$	450	142	$\phi 270 \times H235$	$\phi 13 \times H660$
DH.WHM722103	DH.WHM12210D	3,000	$\phi 13 \times H28$	550	177	$\phi 325 \times H270$	$\phi 13 \times H800$
DH.WHM722104	DH.WHM12210E	5,000	$\phi 16 \times H29$	800	177	$\phi 325 \times H270$	$\phi 13 \times H800$
DH.WHM722105	DH.WHM12210F	6,000	$\phi 21.5 \times H24$	800	177	$\phi 325 \times H270$	$\phi 13 \times H800$
DH.WHM722106	DH.WHM12210G	7,000	$\phi 21.5 \times H25$	850	177	$\phi 325 \times H270$	$\phi 13 \times H800$

※ Customize of vessel dia. $\phi \times$ height(cm) and Inside depth(mm) can be offered.

Features

- Full choices of Vessel, Capacity, Housing and Control are offered !
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**
- **External thermo sensor is available**, which enables precise control of the temperature of liquid sample in the vessel when used together with remote digital controller.



Digital all-purpose Controller
(Optional, See page 47)



“DAIHAN” *WiseTherm*[®] WHM Fabric-housed Reaction Vessel Mantles New! Digital Feedback Controller Separately, for Cylindrical 0.5 ~ 7Lit, 450°C

Catalog No.		Vessel Capacity (ml)	Vessel dia. $\phi \times$ height (cm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)
with 230V	with 110V					
DH.WHM12251	DH.WHM12261	500	$\phi 11 \times H10$	240	75	$\phi 160 \times H100$
DH.WHM12252	DH.WHM12262	1,000	$\phi 11 \times H15$	350	115	$\phi 160 \times H140$
DH.WHM12253	DH.WHM12263	2,000	$\phi 13 \times H19$	450	145	$\phi 185 \times H165$
DH.WHM12254	DH.WHM12264	3,000	$\phi 13 \times H28$	550	210	$\phi 185 \times H235$
DH.WHM12255	DH.WHM12265	4,000	$\phi 16 \times H26$	700	210	$\phi 220 \times H235$
DH.WHM12256	DH.WHM12266	5,000	$\phi 16 \times H29$	800	210	$\phi 220 \times H235$
DH.WHM12257	DH.WHM12267	6,000	$\phi 21.5 \times H24$	800	210	$\phi 290 \times H235$
DH.WHM12258	DH.WHM12268	7,000	$\phi 21.5 \times H25$	850	210	$\phi 290 \times H235$

※ Customize of vessel dia. $\phi \times$ height(cm) and Inside depth(mm) can be offered.

Features

- Full choices of Vessel, Capacity, Housing and Control are offered !
- Optional remote thermo controllers are available (Analog or Digital)
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**
- **External thermo sensor is available**, which enables precise control of the temperature of liquid sample in the vessel when used together with remote digital controller.



“DAIHAN” *WiseTherm® WHM* Digital Aluminum-case Multi Heating Mantles, with 3 & 6 Places New!
Ideal for DURAN/Kimax /Pyrex & Iwaki-brand Round flasks, 250~1,000ml, 450°C



Patented Control System (No. 10-0554098)

1 or 2 Mode Buttons + Jog Shuttle Switch
Realize “Easy to Use”

Highly-processed Aluminum Case
Nickel Chrome Heating Element



Features

- Lower profile for space-saving convenience
- Ideal for repetitive extracting (Kjeldahl, Soxhlet, and other extraction procedure), refluxing and distilling laboratory applications.
- *Highly-processed Aluminum Case offers robust standing, easy handling*
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**
- **K-type thermo sensor** is basically embedded (except Fabric Mantles) which enables precise control of the mantles when used together with remote digital controller.
- Digital Feedback control by High-Performance Microprocessor
- The Ergonomic Article for precise-control of HEAT, STIRRING - speed, and TIME : Jog-Shuttle switch (Turn + Push) **(Patent pending)**
- Accurate Temp.Control of the liquid in the vessel using optional direct K-type sensor
- User's self-compensation function : to control difference between Real Temp. and Indicated Temp. ($\pm 10.0^\circ\text{C}$)
- Digital LCD with Back-Light Function
- Storage function, Timer, Alarm
- Locking Mode supported for Experimental Safety (Input to Jog-Shuttle can be disabled)
- PL (Product Liability) Insurance
- Rod & Clamp are offered.

6 places Digital Multi Heating Mantle, 250ml, 300ml & 500ml, 450°C

Catalog No.		Flask Capacity (ml)	Flask		Watts(W)	Inside Depth (mm)	Dimension W×D×H (mm)
with 230V	with 110V		Max. Dia. ϕ (mm)	Bottom			
DH.WHM12297	DH.WHM12298	250/300	83 ~ 86	Flat	840	50	800×240×110
DH.WHM12299	DH.WHM12300	250/300	83 ~ 86	Round	840	50	800×240×110
DH.WHM12301	DH.WHM12302	500	102 ~ 105	Round	1440	65	950×270×130

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex

※ Available for “IWAKI” Flask 3000ml.

3 places Digital Multi Heating Mantle, 500ml & 1,000ml, 450°C

Catalog No.		Flask Capacity (ml)	Flask		Watts(W)	Inside Depth (mm)	Dimension W×D×H (mm)
with 230V	with 110V		Max. Dia. ϕ (mm)	Bottom			
DH.WHM12395	DH.WHM12396	500	102 ~ 105	Round	720	65	550×270×130
DH.WHM12397	DH.WHM12398	1,000	130 ~ 133	Round	1050	75	690×340×170

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex

※ Available for “IWAKI” Flask 3000ml.

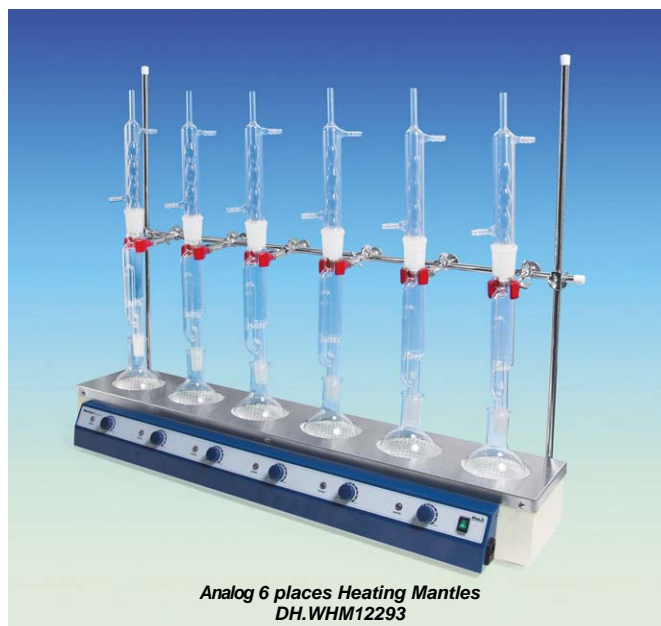
“DAIHAN” WiseTherm® WHM Analog Aluminum-case Multi Heating Mantles, with 3 & 6 Places New
 Ideal for DURAN/Kimax /Pyrex & Iwaki-brand Round flasks, 250~1,000ml, 450°C

Premium Analog Multi Heating Mantles

Highly-processed Aluminum Case
 Nickel Chrome Heating Element



Analog 3 places Heating Mantles
 DH.WHM12391



Analog 6 places Heating Mantles
 DH.WHM12293

Features

- Lower profile for space-saving convenience
- Ideal for repetitive extracting(Kjeldahl, Soxhlet, and other extraction procedure), refluxing and distilling laboratory applications.
- Analog controller installed.
- Rod & Clamp are offered.
- Highly-processed Aluminum Case offers robust standing, easy handling
- **Nickel Chrome Heating Element - Coil Type : Acid-resistant, Long Life Time.**

6 places Analog Muiti Heating Mantle, 250ml, 300ml & 500ml, 450°C

Catalog No.		Flask Capacity (ml)	Flask		Watts(W)	Inside Depth (mm)	Dimension W×D×H (mm)
with 230V	with 110V		Max. Dia. φ (mm)	Bottom			
DH.WHM12291	DH.WHM12292	250/300	83 ~ 86	Flat	840	50	800×240×110
DH.WHM12293	DH.WHM12294	250/300	83 ~ 86	Round	840	50	800×240×110
DH.WHM12295	DH.WHM12296	500	102 ~ 105	Round	1440	65	950×270×130

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex

※ Available for "IWAKI" Flask 3000ml.

3 places Analog Muiti Heating Mantle, 500ml & 1,000ml, 450°C

Catalog No.		Flask Capacity (ml)	Flask		Watts(W)	Inside Depth (mm)	Dimension W×D×H (mm)
with 230V	with 110V		Max. Dia. φ (mm)	Bottom			
DH.WHM12391	DH.WHM12392	500	102 ~ 105	Round	720	65	550×270×130
DH.WHM12393	DH.WHM12394	1,000	130 ~ 133	Round	1050	75	690×340×170

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex

※ Available for "IWAKI" Flask 3000ml.



“DAIHAN” *WiseTherm*[®] WHM-C10A Analog Compact Controller, “PL insurance”

For All-Purpose Heating Instruments



WHM - C10A

Specification

Model	WHM-C10A
Control Range	3 ~ 100% of rated voltage
Controller	Analog PWM Controller
Control Capacity	Up to 1.2 kW
Dimension (w x d x h mm)	160 × 128 × 145
Weight	3 kg
Power	AC110V / 220V / 230V, 50/60Hz

* Others Specifications are available upon customer's request.

Features

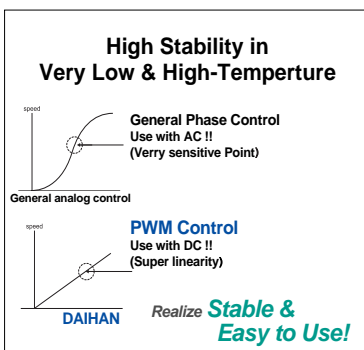
- Small Footprint, Compact Analog Temperature Controller.
- Solid state, Proportional Voltage Power Control (3 ~ 100% or rated voltage)
- Precise manual control of Heating Mantles, Tapes, Cords and Other Resistive Loads.
- Heating Instrumentes can be controlled up to 1.2 kW.
- Safe and Durable Designed.
- PL(Product Liability) Insurance.

Ordering Information

DH.WHM13500 All-Purpose Analog Controller, WMH-C10A,
3 ~ 100% of rated voltage, for up to 1.2 kW Heating Instrumentes

Compact Controller for All-Purpose
Solid state, Proportional Voltage Power Control
Safe and Durable Designed

Specialized Features



“DAIHAN” *WiseTherm*[®] WHM-C10D Digital Feedback Controller, “PL insurance” ^{New} With External Direct Contact Temperature Sensor(Optional), for All-Purpose Heating Instruments

Specification	
Model WHM-C10D	
Temp.	Range(°C) Ambient +5 ~ 750
	Accuracy ±0.3°C at Set Temperature
Temp. Control Resolution(°C) 0.5	
Controller Digital Feedback Controller with Jog Shuttle Switch (Turn + Push)	
Control Capacity Up to 2kW	
Display Digital LCD with Back Light Function (Temp., Timer)	
Timer 99hr 59min, (Continuous function included)	
Dimension (w x d x h mm) 206 x 307 x 99	
Weight (kg) 2.8	
Others Storage Function (Temp., Timer), Locking Mode (Jog-Shuttle Input disabled) User Self-compensation function Alarm (Error Status and Timer-end)	
Power Supply AC 110 V, 60 Hz or AC 220 V, 50 / 60 Hz	

* Other Specifications are available upon customer's request.



Digital Feedback Controller WHM-C10D

Ordering Information

DH.WHM12500 **All-Purpose Digital Controller, WHM-C10D,**
Ambient +5 ~ 750°C, for up to 2kW Heating Instrumentes

Optional Accessories

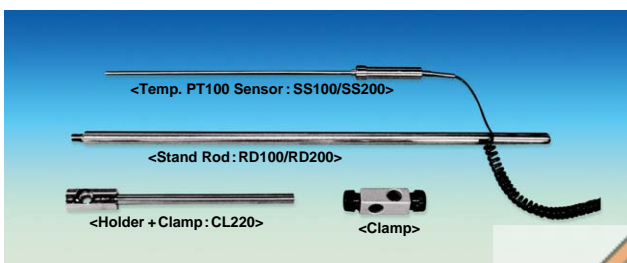
- DH.WHP503037 **Stand Rod. RD300** for Heating Mantles,
∅ 12.7 x 520mm
- DH.WHP503040 **Direct Contact Temperature Sensor, SS300,**
K-type, With Plug
- DH.WHP503041 **Direct Contact Temperature Sensor, SS310,**
K-type, Teflon Coated, With Plug
- DH.WHP503050 **Direct Contact Temperature Sensor, SS400,**
K-type, 380mm Sensor length with Plug.
- DH.WHP503051 **Direct Contact Temperature Sensor, SS410,**
K-type, Teflon Coated, 380mm Sensor length with Plug.
- DH.WHP503012 **Holder + Clamp for Temp Sensor, CL220**

Features

- Digital Feedback Control by High-Performance Microprocessor
- Small Footprint and User-Friendly Design.
- The Ergonomic Article for precise-control of HEAT, STIRRING -speed, and TIME : Jog-Shuttle switch (Turn + Push) (*Patent pending*)
- Accurate Temp.Control of the liquid in the vessel using optional direct K-type sensor
- Heating Instrumentes can be controlled up to 2kW.
- User's self-compensation function : to control difference between Real Temp. and Indicated Temp. (± 50.0°C)
- Digital LCD with Back -Light Function
- Storage function, Timer, Alarm
- Locking Mode supported for Experimental Safety (Input to Jog-Shuttle can be disabled)
- PL(Product Liability) Insurance

Patented Control System (No. 10-0554098)

1 or 2 Mode Buttons + Jog Shuttle Switch
Realize “Easy to Use”

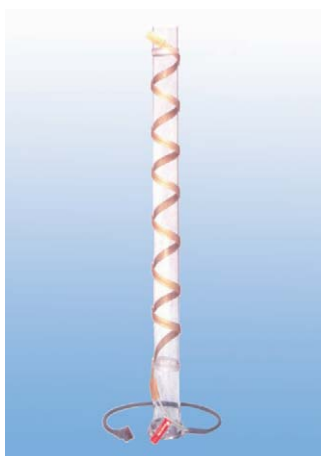


Example set with heating mantle



“DAIHAN” *WiseTherm*[®] WHM Heating Tapes, Standard-type, 250 °C

* Glass tubes Metal pipet



Heating Tapes

Catalog No.	1.3cm Width × Length(m)	Watts & Volt
DH.WHM12311	1.3cm × 0.6m	200W, 230V
DH.WHM12312	× 1.0m	200W, 230V
DH.WHM12313	× 1.5m	250W, 230V
DH.WHM12314	× 2.0m	300W, 230V
DH.WHM12315	× 2.5m	350W, 230V
DH.WHM12316	× 3.0m	400W, 230V

Catalog No.	2.5cm Width × Length (m)	Watts & Volt
DH.WHM12321	2.5cm × 0.6m	200W, 230V
DH.WHM12322	× 1.0m	200W, 230V
DH.WHM12323	× 1.5m	250W, 230V
DH.WHM12324	× 2.0m	300W, 230V
DH.WHM12325	× 2.5m	350W, 230V
DH.WHM12326	× 3.0m	400W, 230V
DH.WHM12327	× 4m	550W, 230V
DH.WHM12328	× 6m	700W, 230V

“DAIHAN” *WiseTherm*[®] WHM Custom Heating Mantles & Insulation, Bottom Valved Vessels or General-use Up to 650 °C

We can offer DAIHAN Custom Heating mantles, for which you can specify the outside diameter of the vessel, length of mantle, voltage, number of circuits and length of each heating zone, operating temperature, unusual ambient conditions, size & location of holes for view ports, and tubulations.

Please submit a sketch for complicated applications and contact our application engineers (kenneth@daihansci.co.kr)

- Provides uniform heating and insulation for scrubbing and fractionating columns.
- Closes with a zipper, with eyelets and laces or hooks and laces.
- Internal operating temperature is up to 450 °C or 650 °C

Custom Heating Mantles

