holder life

Shrink-fit Heater **HEAT ROBO** 

Shrink-fitting temperature is comparatively low, about 300°C[570°F], which is safer for the holders.

Affordable and compact design for simple shrink fitting.

**Induction Heater** 







**Hot-air Heater** 

# HEΛT ROBO Baby

- Compact Affordable
- No risk of overheating











|                         | 電磁 <b>5000S</b>        | 電磁2500                   | 電磁 <b>1200S</b>          |  |
|-------------------------|------------------------|--------------------------|--------------------------|--|
| CODE                    | HRD-02SH               | HRD-03                   | HRD-01S                  |  |
| Heating method          | Induction type         |                          |                          |  |
| Rated power consumption | 5000w                  | 2500w                    | 1200w                    |  |
| Rated voltage           | 3 phases 200-240 v     | Single phase 200-240v    | 100v                     |  |
| Cutter dia.             | φ <b>3~32</b> [1/8″~1] | φ <b>3~16</b> [1/8″~5/8] | φ <b>3~12</b> [1/8″~1/2] |  |
| Heating time (dia + 6)  | 18 sec. (Auto setting) | 25 sec.                  | 18 sec.                  |  |
| Cooling method*         | (1min.)                |                          |                          |  |
| Size (wxDxH) mm         | 340×470×750 230×540×5  |                          |                          |  |

| Baby 3000S             | Baby 1200S    | Baby 1000   |  |  |  |
|------------------------|---------------|-------------|--|--|--|
| HRB-03S                | HRB-02S       | HRB-01      |  |  |  |
|                        | Hot air type  |             |  |  |  |
| 3000w                  | 1200w         | 1000w       |  |  |  |
| Single phase 200 v     | 100v          |             |  |  |  |
| φ <b>3~32</b> [1/8″~1] | φ <b>3~12</b> | [1/8″~1/2]  |  |  |  |
| 70 sec.                | 120 sec.      | 180 sec.    |  |  |  |
| (5min.)                | <b>A</b>      |             |  |  |  |
| 430×330×660            | 370×260×590   | 320×160×410 |  |  |  |

※About cooling method [O]: Air cooling using factory air. [▲]: Cooling operation using air cooling capability of a hot air heater.

### ■Compatibility table by holder type

| MONO series    | 0 | Δ | Δ        |
|----------------|---|---|----------|
| 2 PIECE type   | 0 | 0 | 0        |
| UNO            | 0 | 0 | 0        |
| HYPER VERSION  | 0 | × | ×        |
| STRAIGHT arbor | 0 | Δ | <b>A</b> |

| 0        | Δ        | × |
|----------|----------|---|
| 0        | 0        | 0 |
| 0        | 0        | × |
| 0        | ×        | × |
| <b>A</b> | <b>A</b> | × |

 $\begin{tabular}{ll} \hline \end{tabular} \begin{tabular}{ll} \hline \end{$ 

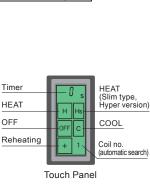
\*Please verify compatibility for specific holders.

## INDUCTION HEATER

# DENJI 電磁50008

| CODE     | Size<br>(W×D×H) | Rated<br>voltage  | Kg |
|----------|-----------------|-------------------|----|
| HRD-02SH | 340×470×750mm   | 3 phases 200-240v | 30 |

- ■Option
  - •Heating coil(HRD2-CL) •Coil stand
- •Please choose parts on P.15-17
- ■Std. Access.
  - •Heat-resistant gloves •Tweezers
- ■Note
  - •Use type HSB/HSC for cutter stopper.
  - Compressed air required: 0.5MPa (air-consumption volume: 245ℓ/min)
  - •The customer should prepare the following items auxiliary parts including the air tube (O.D.: 8mm.) an air filter and a coupler.





Max. Cutter dia. φ3~32 [1/8~1"]

Rated power consumption

5000w Cutter dia.  $\phi$ 6

Heating 18 sec.

Air-cooling

1 min.

### Heating coil (Option)

| CODE     | Heating coil No. | Holder I.D.   | Heating time (Auto setting) | φC  | н    | Protection sheet for heating coil |
|----------|------------------|---|-----------------------------|-----|------|-----------------------------------|
| HRD2-CL1 | 1                | φ3~ 6 [1/ 8" ~ 1/4]   | 18 sec.                     | 25  | 33   | HRD2-DN1                          |
| -CL2     | 2                | φ7~12*1 [5/16" ~ 1/2]   | 28 sec.                     | 35  | 42   | -DN2                              |
| -CL3     | 3                | φ16, 20%2%3 [5/ 8", 3/4"]   | 28 sec.                     | 45  | 47   | -DN3                              |
| -CL4     | 4                | φ25 [1"] MONO series •MONO 3°[A50M-SLRB20, F63-SLFB20]            | 40 sec.                     | 55  | 57   | -DN4                              |
| -CL5     | 5                | MONO series •MONO 3°[SLRB•SLFB8/10/12/16-M22]                     | 35 sec.                     | Fig | g. 1 | -DN5                              |
| -CL6     | 6                | HYPER VERSION •Short type(All sizes) •Heavy-duty type [ φ 12, 25] | 40 sec.                     | 60  | 47   | -DN6                              |
| -CL7     | 7                | φ32, HYPER VERSION •Heavy-duty type [ φ20, 25]                    | 60 sec.                     | 70  | 67   | -DN7                              |



### Fig. 1 <sub>ტ</sub>38 φ58 HRD2-CL5

Cross-section view

#### ■Std. Access.

- Protection sheet for heating coil
- •The coil protection sheet is a consumable part. Replace the coil protection sheet(option) when you see that it is colored or distorted by the heat

#### ■Caution

- •To protect the heating coil,don't heat a holder without using a coil protection sheet.
- •When ordering, please note that holders for coil 5, 6, or 7 cannot be heated by 2, 3, or 4.
- \*\*1 Use the coil, No.5 for SLRB•SLFB8/10/12-M22.
  \*\*2 Use the coil, No.5 for SLRB•SLFB16-M22.
  \*\*3 Use the coil, No.4 for A50M-SLRB20, E50-SLRA16-60-M22,
  - E50-SLRA20-65-M22,F63-SLFB20

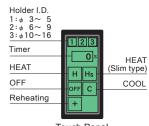
# DENJI 磁 2500

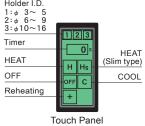
One Heating Coil supports dia.3-16mm of shrink-fit holder SLIMLINE. You can escape the inconvenience of changing heating coils.

| CODE     | AREA             | Holder I.D.         | Size<br>(W×D×H) | Rated voltage | Kg |
|----------|------------------|---------------------|-----------------|---------------|----|
| HRD-03-L | Japan,           | φ3~16 [1/8"~5/8]    |                 | Single-phase  | 30 |
| -s       | North<br>America | φ3~ 8 [1/8" ~ 5/16] | 470×<br>750mm   | 200-240∨      |    |
| -LSE     | Europe,          | φ3~16               | 7 30 111111     |               |    |
| -SSE     | Asia             | φ3~ 8               |                 |               |    |

- ■Option
- •Please choose parts on P.15-17
- ■Std. Access.
  - ●Heat-resistant gloves ●Tweezers
- Protection sheet for heating coil
- •Use type HSB/HSC for cutter stopper
- •Compressed air required: 0.5MPa (air-consumption volume: 245l/min)
- •The customer should prepare the following items : auxiliary parts including the air tube (O.D.: 8mm.) an air filter and a coupler.

•The HEATROBO DENJI 2500 (HRD-03) is unable to shrink the HYPER version.







Max. Cutter dia. φ**3~16**[1/8~5/8"]

Rated power consumption 2500w

Cutter dia. φ6 Heating 25 \*sec.

Air-cooling

1 min.

\*HRD-03-S/SSE is designed for dia.3 to 8mm. you can shrink-in and out in a short time.

### Protection sheet for heating coil

| CODE     | Shrink-fit Heater |
|----------|-------------------|
| HRD3-DN1 | HRD-03-L/LSE      |
| -DN2     | -S / SSE          |

 The coil protection sheet is a consumable part. Replace the coil protection sheet(option) when you see that it is colored or distorted by the heat.

PERIPHERALS



| CODE       | AREA             | Size<br>(W×D×H) | Rated<br>voltage  | Kg |
|------------|------------------|-----------------|-------------------|----|
| HRD-01S    | Japan            | 230×410×550mm   | 100∨              | 14 |
| -01S-120NA | North<br>America | 230×540×550mm   | 120∨              | 19 |
| -230AS     | Asia             |                 | Single phase 230V |    |

Timer

HEAT

Reheating

OFF

Coil selection

HEAT (Slim type)

Touch Panel

COOL

Base plate

### Max. Cutter dia Heating Coil (Std. Access.) φ3~12[1/8~1/2"] Rated power consumption 1200w Cutter dia. φ6 Air-cooling Heating 18 sec. Adapter (Option) Air-cooling 1 min. Base (Option)

### **■**Option

•Please choose parts on P.15-17

#### ■Std. Access.

- •Heating coil(HRD-CL)
- Heat-resistant gloves

#### Tweezers

#### ■Note

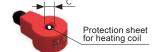
- •Use type HSB/HSC for cutter stopper.
- •Compressed air required: 0.5MPa
- (air-consumption volume: 245t/min)
   The customer should prepare the following items: auxiliary parts including the air tube (O.D.: 8mm.) an air filter and a coupler.
- •A transformer is required in Europe. Please consult MST about the details of the transformer.

#### ■Caution

The HEATROBO DENJI 1200S (HRD-01S) is unable to shrink certain holders. For details, refer to P.233.

#### Heating coil

| CODE    | Heating<br>Coil No. | Holder I.D.         | Heating time | φС | Protection sheet for heating coil |
|---------|---------------------|---------------------|--------------|----|-----------------------------------|
| HRD-CL1 | 1                   | φ3~ 6 [1/ 8" ~ 1/4] | 18 sec.      | 18 | HRD-DN1                           |
| -CL2    | 2                   | φ7~12 [5/16" ~ 1/2] | 33 sec.      | 28 | -DN2                              |



#### ■Std. Access.

•Protection sheet for heating coil

•To protect the heating coil,don't heat a holder without using a coil protection sheet.

#### ■Note

The coil protection sheet is a consumable part.
 Replace the coil protection sheet(option) when you see that it is colored or distorted by the heat.

## ■ Coil stand

For the heating coil of HRD-02SH





\*Heating coils are not included.

## **HOT AIR HEATER**

# Baby 3000S

| CODE       | Area             | Size<br>(W×D×H) | Rated<br>voltage   | Kg  |
|------------|------------------|-----------------|--------------------|-----|
| HRB-03S    | Japan            | 430×            | Single phase 200 v | 9.5 |
| -03S-230NA | North<br>America | 330×<br>660mm   | Single phase 230 v |     |
| -230EU     | Europe           |                 |                    |     |
| -230AS     | Asia             |                 |                    |     |

- **■**Option
- $\phi$ 70 Nozzle Please choose parts on P.15-17.
- ■Std. Access.
- ■Note
  - •Compressed air required: 0.5MPa(air-consumption volume: 245 ℓ/min)
- •Prepare an air tube (O.D.:8mm) and a connection coupling.

### ■ Shrink-fit heater with the safety timer.

Prevent accidents caused by leaving the heater on.

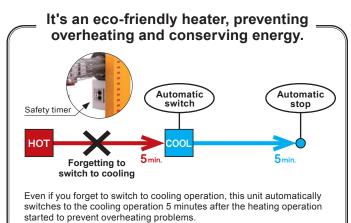
| CODE        | Area             | Size<br>(W×D×H) | Rated<br>voltage   | Kg  |
|-------------|------------------|-----------------|--------------------|-----|
| HRB-03ST    | Japan            | 430×            | Single phase 200 v | 9.7 |
| -03ST-230NA | North<br>America | 330×<br>660mm   | Single phase 230 v |     |
| -230EU      | Europe           |                 |                    |     |
| -230AS      | Asia             |                 |                    |     |

#### 

When heating the SLIMLINE MONO 3°, SLRB32, and the heavy-duty type Hyper Version, the 70mm dia. nozzle HRB-NZL70 is required.









| CODE       | Area             | Size<br>(W×D×H)           | Rated<br>voltage | Kg  |
|------------|------------------|---------------------------|------------------|-----|
| HRB-02S    | Japan            | 370×260×590 <sub>mm</sub> | 100∨             | 8.0 |
| -02S-120NA | North<br>America | 310×200×390mm             | 120 v            |     |

- **■**Option
- •Please choose parts on P.15-17.
- ■Std. Access.
- ●Timer ●Heat-resistant gloves ●Tweezers
- ■Note
  - •Some holders cannot be used.(P.15)



| CODE   | Area  | Size<br>(W×D×H)           | Rated voltage | Kg  |
|--------|-------|---------------------------|---------------|-----|
| HRB-01 | Japan | 340×160×410 <sub>mm</sub> | 100∨          | 3.5 |

- **■**Option
- •Please choose parts on P.15-17.
- ■Std. Access.
- ●Adapter(ADH-SLK) ●Timer ●Nozzles, 2 pieces (HNZ-17, HNZ-22)
- ●Heat-resistant gloves ●Tweezers
- ■Note
  - A transformer is required in other volfage.
     Please consult MST about the details of the transformer.





CODE BAA-01



### Examples of typical uses







## ■ Adapter

| 000       | B  | Holder            |  | Shrink-Fit Heater model for Use |          |        |  |         |                               |  |
|-----------|--|-------------------|--|---------------------------------|----------|--------|--|---------|-------------------------------|--|
| CODE      | Dimensions   |                   | Туре                                       | Screw<br>size                   | HRD-02SH | HRD-03 | HRD-01S  | HRB-03S | HRB-02S                       | HRB-01                                     |
|           |  | 2 PIECE           | 6 type                                     | М6                              | 0        | 0      | 0  | 0       | 0                             | 0  |
|           | M 6<br>M 8   | type<br>SLIMLINE  | 8 type                                     | М6                              |          |        |  |         |                               | *Adapter<br>(ADH-SLK)                      |
| ADH-SLK   | M10 -  | collet            | 12 type                                    | M10                             |          |        |  |         |                               | is included.                               |
| ADIT SER  |  |                   | ST10                                       | М6                              |          |        |  |         |                               | No need to<br>purchasebase<br>(BAA-01) for |
|           | φ88 φ88  | STRAIGHT<br>arbor | ST12                                       | М8                              |          |        |  |         |                               | 2piece collet<br>type 12.                  |
|           | [ O.ONG ]  |                   | ST16/20/25                                 | M10                             |          |        |  |         |                               | ,  |
| ADH-HSK25 | E25= $\phi$ 14   | MONO 3°           | E25  |                                 | 0        | Δ      | Δ  | 0       | Δ                             | ×  |
| -HSK32    | E32 = $\phi$ 17<br>E40 = $\phi$ 21<br>E50 = $\phi$ 26  | MONO<br>CURVE     | E32  |                                 |          |        | *Some holders cannot be used. Please refer to                |         | XSome holders cannot be used. |  |
| -HSK40E   |  | UNO               | E40  |                                 |          |        | the dimensional sheet.                                       |         | (max.)                        |  |
| -HSK40A   |  | HYPER<br>VERSION  | A40  |                                 |          |        |  |         |                               |  |
| -HSK50    | 0.8kg  |                   | A50 / E50 /                                | F63                             |          |        |  |         |                               |  |
| -40       | \$63.5<br>0.6kg \$\phi 88\$  |                   | BT40 / A63<br>F63 / F80 / F<br>DN40 / CT40 |                                 |          |        |  |         | dimension<br>C=Max. ∳32       |  |
| -50       | 0.5kg \$\displaystyle{\phi}\$ \displaystyle{\phi}\$ \d |                   | BT50 / A100<br>DN50 / CT5                  |                                 |          |        |  |         |                               |  |
| -15TR     | 15TR=φ19.3→   ←<br>S20T=φ22.5 ☐  |                   | 15TR3                                      |                                 |          |        |  |         |                               |  |
| -S20TR    | BT30= $\phi$ 32  |                   | RS20 / S201                                | ΓR                              |          |        |  |         |                               |  |
| -втзо     | 0.9kg \$88   |                   | BT30                                       |                                 |          |        |  |         |                               |  |
|           | M10 \  | STRAIGHT arbor    | ST16/20/25                                 | M10                             | 0        | Δ      | Δ  | 0       | 0                             | ×  |
| BAS-01    | M16<br>M24   |                   | ST32                                       | M16                             |          |        | Some holders cannot be used. Please refer to the dimensional |         |                               |  |
|           | 0.7kg  |                   | ST42                                       | M24                             |          |        | sheet.   |         |                               |  |
| -02       | \$10~42<br>\$\frac{10}{24kg}\$\$ \$\phi 102\$\$  |                   | Carbide Sh<br>ST C                         | ank                             |          |        |  |         |                               |  |

[ O ] : Available

[ X ]: Not available

[  $\triangle$  ] : Restricted use

### ■ Cutter Stopper

Used as a stopper in the holder when shrink fitting or removing a cutting tool.

#### HSAtype (Coil Spring Type)

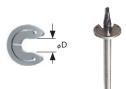


| CODE                         | φD   | Set Contents(Q'ty)            |
|------------------------------|--|-------------------------------|
| HSA-D<br>[Ex:HSA-6]          | 3, 3.175 [1/8"], 4, 5,<br>6, 7, 8, 9, 10, 11, 12,<br>16, 20, 25, [3/16", 1/4",<br>5/16", 3/8", 1/2"] | Each size<br>10 ea. /SET      |
| <b>-E</b> 3, 4, 6, 8, 10, 12 |  | 1 ea., 6 pieces in total      |
| -F                           | 3, 4, 5, 6, 7, 8, 9, 10, 11, 12  | 1 ea. ,<br>10 pieces in total |
| -EF                          | 3, 4, 5, 6, 8, 10, 12,<br>16, 20, 25   | 1 ea. ,<br>10 pieces in total |

#### ■Caution

•HSA type cannot be used with HEAT ROBO DENJI.

#### ■ HSB<sub>type</sub> (Plate Spring Type)



| CODE                 | φD  | Set Contents(Q'ty)            |
|----------------------|---|-------------------------------|
| HSB-D<br>[Ex: HSB-6] | 3, 3.175 [1/8"],<br>4, 5, 6, 7, 8, 9, 10, 11,<br>12, 16, 20, 25, 32,<br>[3/16", 1/4", 5/16", 3/8",<br>1/2", 5/8", 3/4", 1"] | 1 ea.                         |
| -E                   | 3, 4, 6, 8, 10, 12  | 1ea.,6piecesintotal           |
| -F                   | 3, 4, 5, 6, 7, 8, 9, 10,<br>11, 12  | 1 ea. ,<br>10 pieces in total |
| -EF                  | 3, 4, 5, 6, 8, 10, 12,<br>16, 20, 25  | 1 ea. ,<br>10 pieces in total |

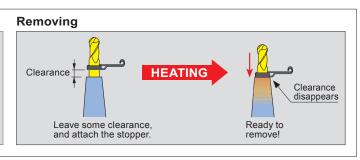
### ■ HSC<sub>type</sub> (Slit Collet Type)



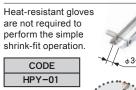
| HSC-D<br>[Ex: HSC-6] 3, 3.175[1/8"], 4, 6 | CODE | ΨΒ                   |
|---|------|----------------------|
|   |      | 3, 3.175[1/8"], 4, 6 |



#### Insertion Cutter Stopper Overhang length of cutter HEATING Insertion length Safety mark Adjust cutting tool projection or insertion length. The cutter shank should exceed the safety mark.



### Cutter Pliers



Cooling Tray for heated cutting tools

after removal from a holder





### Stopper Pliers



#### Heat-resistant gloves

For additional order

| CODE   | NOTE       |
|--------|------------|
| HTB-01 | _          |
| -01-R  | Right Hand |
| -01-L  | Left Hand  |



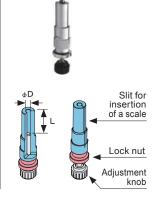
### Cutter Adjuster

Simply adjustment for cutting tool projection and insertion length.

1 Scale

Adjustment

| CODE   |       | φD       | L      |
|--------|-------|----------|--------|
| HAJ-3  | 3     |          | 10~ 30 |
| -3.175 | 3.179 | 5 [1/8"] |        |
| -4     | 4     |          | 13~ 30 |
| -3/16  |       | [3/16"]  |        |
| -6     | 6     |          | 19~ 45 |
| -1/4   |       | [1/4"]   |        |
| -8     | 8     | [5/16"]  | 21~ 55 |
| -10    | 10    | [3/8"]   | 22~ 70 |
| -12    | 12    |          | 23~ 85 |
| -1/2   |       | [1/2"]   |        |
| -16    | 16    | [5/8"]   | 26~ 90 |
| -20    | 20    | [3/4"]   | 37~100 |
| -25    | 25    |          | 40~100 |
| -1"    |       | [1"]     |        |



### Holder Stand

Cutter Tray

CODE SDH-01 Size:170×170 (mm)

The stand for the SLIMLINE collet, straight arbor and small shank holders (HSK-E25 and E32) is available in four colors, enabling simple color-coding.

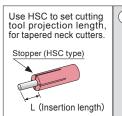
| CODE    | Color | Front face      | Back face              | max.Q'ty  |
|---------|-------|-----------------|------------------------|-----------|
| SDKT-RE | RED   |                 |                        |           |
| -BL     | BLUE  | SLIMLINE collet | Small shank<br>holders | 25 pieces |
| -GR     | GREEN | STRAIGHT arbor  | (HSK-E25 / E32)        | each      |
| -GD     | GOLD  |                 | (1.011 2207 202)       |           |

Size:190×190(mm)









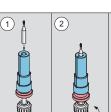
Use HSB to set cutting

tool projection length, for regular cutters.

Stopper(HSB type)

L+2mm

(Cutter projection)

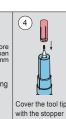


(2)

Lock nut

(3)

(3)



(4)

HSB



### ■ Cleaning tools

#### Brush type

Nylon brushes for internal bores cleaning.

| CODE        | I.D                          |  |  |
|-------------|------------------------------|--|--|
| AQC-BR -SET | 1 of each. 6 pieces in total |  |  |
| -BR 3-5     | 3 [1/ 8"], 5 pcs.            |  |  |
| -BR 4-5     | 4 [3/16"], 5 pcs.            |  |  |
| -BR 6-5     | 6 [1/ 4"], 5 pcs.            |  |  |
| -BR 8-5     | 8 [5/16"], 5 pcs.            |  |  |
| -BR10-5     | 10 [3/ 8"], 5 pcs.           |  |  |
| -BR12-5     | 12 [1/ 2"], 5 pcs.           |  |  |



■Caution

Do not use when holder is hot.

#### Rubber grinding stone type

To eliminate strong oxidized film and burned-in dust and oil that have been generated in the internal bores.

#### Standard set

| CODE       | NOTE                 |
|------------|----------------------|
| CLT-GTA-01 | 1 ea. of right model |
|            |                      |

#### **Parts**

| CODE       | NAME       | φd | Q'ty |
|------------|------------|----|------|
| CLT-GTA-GP | Grip       | _  | 1    |
| -GTA 3-5   |            | 3  | 5    |
| -GTA 4-5   | Rubber     | 4  | 5    |
| -GTA 6-5   | grindstone | 6  | 5    |
| -GTA 8-5   | _          | 8  | 5    |
| -GTA10-5   |            | 10 | 5    |





### ■ Aqua Cool

#### Aqua cool kit

Cooling kit for cooling SLIMLINE holders after shrink fitting or removing.

| CODE       | NOTE                  |  |
|------------|-----------------------|--|
| AQC-KIT-01 | 1 ea. for below model |  |

#### **Parts**

| CODE        | NAME                  | NOTE   |
|-------------|-----------------------|--|
| AQC-EK-01-2 | Special Liquid        | 2ℓ of undiluted Solution, Use at a dilution ratio of 3%. |
| -AT-01      | Aqua Tray             | Drainer plate  |
| -AH-01      | Adapter Hanger        | Hanger for lowering holders into liquid.                 |
| CN -245     | Container Box         | Size:424×291×245 (364×242×230) mm                        |
| -FT         | Lid for Container Box | Size:421×288×35 mm                                       |

( ) inside dimension





### ■ A shrink-fitting work efficiency kit, Shrink-fit holder Chiller

Shrink fitting operation can be shortened. Installation is easy as no power supply is required. All MST's heating devices are available.

#### Shrink-fit holder Chiller A type For Induction Heaters and Hot Air Heaters

| CODE   | Cooling tower | Kg |
|--------|---------------|----|
| CWBA01 | 1 pc.         | 18 |
| CWBA02 | 2 pcs.        | 25 |

#### ■Std. Access.

- Slide table
- Slide type base(3 pcs.)
- Stopper ring(6 pcs.)
- Thermo seal(7 pcs.)
- Connecting air tube (dia.8mm, length 2m)

#### ■Note

- Compressed air required: 0.5MPa (air-consumption volume: 245 l/min)
- Please connect the air line that came with the unit. (Supply air pressure: 0.5~0.7MPa)

### CWBA01 (Installed 2 cooling towers) Cooling tower 745 Adapter (option) Stopper Slide type base ring Slide table 570 800

### REPLACEMENT PARTS



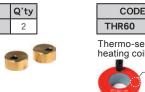




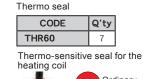


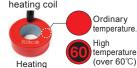


Stopper ring



CWBA02





#### Shrink-fit holder Chiller B type

Compact type that can be installed in tight spots.

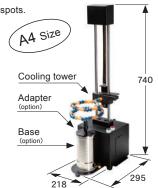
| . ,,   |     |
|--------|-----|
| CODE   | Kg  |
| CWBB01 | 7.3 |

#### ■Std. Access.

- Thermo seal(7 pcs.)
- Connecting air tube (dia.8mm, length 2m)

### ■Note

- •Compressed air required : 0.5MPa (air-consumption volume : 245 l/min)
- Please connect the air line that came with the unit.
- (Supply air pressure : 0.5~0.7MPa)



### Shrink-fit holder Chiller C type For Hot Air Heaters

