

"Simple series" created from various supply records and requests

Features and Advantages ~ Various Pump Capacity ~

Diverse optional accessories

All options except the standard specifications are available. Diverse pump unit specifications depending on the Flow rate, Pump head, and Materials (see the right page) are available to user's various needs. Also, Upgrade for Stainless steel wetted parts, Precise temp control, etc. are available.

The Simple series can reduce wasteful spending by adding the minimum necessary upgrades.

Space saving

Save installation space by 65% compared with a conventional one.

Contributes to installation space saving and flexibility in the factory layout while remaining at cooling capacity.

We will take care of your problems and requirements

Diverse Options help your problems and respond to your requirements.

- Want to save on a water rate for the Chiller unit.
- Want to secure a stable temperature cooling water.
- Want to operate several Chiller units.
- Want to prevent Red water from the Chiller unit.
- Want to use circulating fluid in the cleanroom.
- Want to use a Chiller with High-powered pump unit.

Safety operation thanks to the warning indicator



The warning indicator that is equipped in all models will be activated individually in case of an emergency in order to deal with it promptly.

The details of Diverse options

The lineup of the "Simple series Chiller unit" are Four types of air-cooled and Three types of water-cooled. The series consists of basic functions and capabilities that can be extended per the customer's request as an option. The functions and usage can be customized to your preference in order to prevent waste spending by adding the minimum upgrades as necessary. This is the concept for the "Simple series". The variations of pumping capacities for the standard 7 models are as shown on the right depending on the options.

Optional Accessories	
Enhancement for the precision of temperature control	Heater
Enhancement for the pumping capacity	High flow/High pump head/Stainless steel, Bronze Casting (See the right page for more details on pumping capacity)
Safety devices/functions added	No-fuse breaker
	Short circuit breaker
Materials of wetted part changed	Stainless steel wetted parts
	Piping for Antifreeze
	Ball tap
CUSTOM-MADE	Remote control box
	Fan speed controller (Noise reduction by revolving speed control for cooling fan)
Safety measure	Fixing brackets

Delivery, Installing, and Piping work

- The fee for Delivery, Installing, Piping work, and Wiring work are quoted separately.



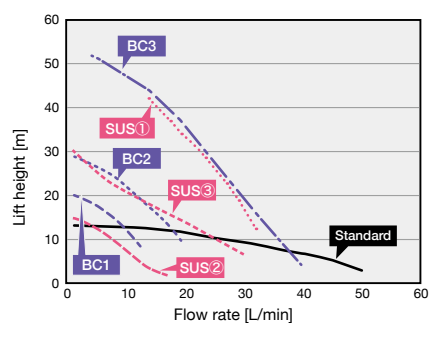
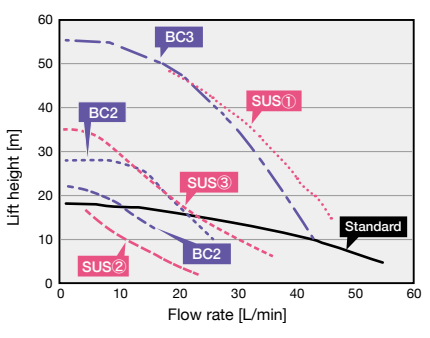

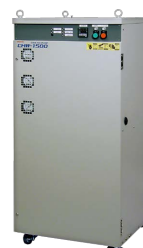
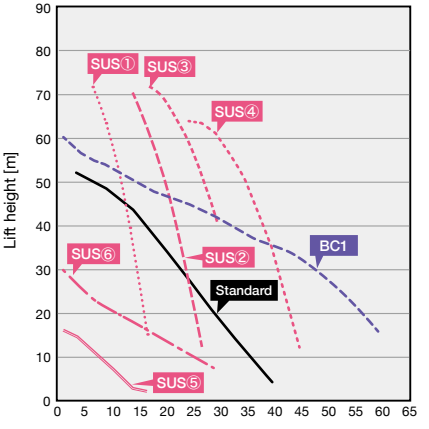
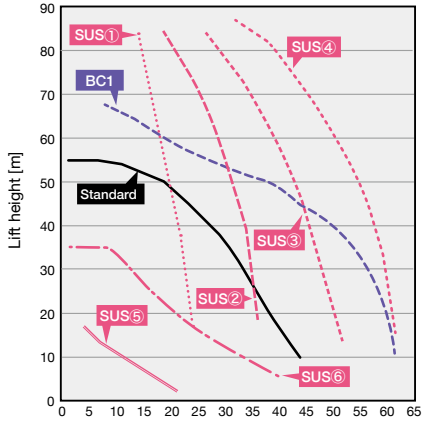


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Please note the following matter.



Model Selection by Pump Characteristic Curves

The "Standard" showed below is the standard pump characteristic mounted on the chiller unit. Each of the "BC1-3" "SUS①-⑥" has an the optional pump characteristic.

Air-cooled type	Water-cooled type	Pump Characteristic Curves	
CHA-900 P.204 	CHW-900 P.205 	at 50 Hz 	at 60 Hz 
CHA-1500 P.204 	CHW-1500 P.205 	at 50 Hz 	at 60 Hz 
CHA-2200 P.204 	CHW-2200 P.205 	<p>Pump variations of CHA-1500/2200 and CHW-1500/2200 are common.</p>	

NEW

Constant-temperature incubator shaker
OD Monitor

For cell culture related products

Shaker

Mixer
Rotator
Stirrer

Bead beater
homogenizer
Ultrasonic
homogenizer

Aluminum block Bath
Mini-size Bath

Water bath
Shaking Water bath
Immersion cooler

Hybridization
Incubator
Constant-temperature
Chambers

Centrifugal
Concentrators
Cold Trap

Freeze dryers

Submarine
Electrophoresis apparatus
Blotting device for
hybridization

Constant-temperature
water circulating
system [Chiller]

Appendix