

“DAIHAN” WiseCircu® WCR Digital Precise Refrigerated Bath Circulator

Digital Fuzzy Control, Back Light LCD, CFC-free Refrigeration, 6-/8-/12-/22-/30- Lit., -20°C~100°C, ±0.1°C



- Innovative Easy-to-Use Digital Fuzzy Controller
- RS232C Interface for Remote Monitoring and Controlling with PC
- CFC-free (404A) Refrigeration System
- Patented Jog-Shuttle Control System and Digital LCD Display with Back-Light Function
- CE Certified

Application & Features

- * Ideal for Direct Immersion of Samples or External Circulating System in the field of Biotechnology and Laboratories
- * Innovative Easy-to-Use Digital Fuzzy Controller
- * RS232C Interface for Remote Monitoring and Controlling with PC
- * Digital Timer Function : 'Delay Time' and 'Operation Time' can be Controlled
- * Stainless Steel Bath(#304) for Superior Durability & High Thermal Efficiency
- * Powerful Circulation Pump ensures Temp. Uniformity : Internal and External Circulation
- * Connection with Evaporator or Viscometer is applicable
- * User's Self-compensation Function to Control Difference between Real Temperature and Indicated Temperature (±10.0°C)
- * Warning and Auto-Stop Function in case of Liquid Shortage
- * Auto-controlled Refrigeration System for Compressor Protection and Power Saving
- * Over Temperature & Over Current Protection, Sensor Error & Low Level Detection, Leakage Breaking
- * CFC-free (404A) Refrigeration System * CE Certified
- * Patented Jog-Shuttle Control System and Digital LCD Display with Back - Light Function

CFC-free (404A) Refrigeration System

Digital Precision Refrigerated Bath Circulators
(WCR-P6 & WCR-P12)

Patented Control System (No. 10-0554098)

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



Innovative Digital Fuzzy Controller



Efficient Use of Bath with Level Sensor

Specification

Model		WCR - P6	WCR - P8	WCR - P12	WCR - P22	WCR - P30
Dimension (w×d×h)	Effective Space (mm)	180×83×150	180×143×150	250×150×150	350×250×150	350×250×230
	Bath (mm)	180×250×150	180×310×150	250×320×150	350×420×150	350×420×250
	External (mm)	262×468×630	262×468×630	372×460×750	455×545×770	455×545×845
Capacity		6 Lit.	8 Lit.	12 Lit.	22 Lit.	30 Lit.
Heater		800 W	1 kW	1.5 kW	2 kW	2.2 kW
Cooling Capacity	10°C	1.5 kW	1.5 kW	1.5 kW	2.8 kW	3.3 kW
	0°C	1.2 kW	1.2 kW	1.2 kW	2.1 kW	2.6 kW
	- 20°C	490 W	490 W	490 W	910 W	1.2 kW
Refrigerator		1/3 HP	1/3 HP	1/3 HP	3/4 HP	7/8 HP
Temp.	Range	- 20°C ~ 100°C				
	Accuracy	±0.1°C				
	Uniformity	±0.2°C at - 10°C				
	Sensor	PT 100				
Controller		Digital Fuzzy Controller with Jog - Shuttle Switch (Turn+Push)				
Display		Digital LCD Display with Back - Light Function				
Timer		99hr 59min (Delay & Continuous Function Included)				
Material	Internal	Stainless Steel (# 304)				
	External	Powder Coated Steel				
	Insulation	Polystyrene (20 mm)				
Pump		15Lit. / min (Internal / External)				
Compressor Control		Intelligent Control of Refrigerator for preventing Overload of Compressor				
Refrigerant		CFC - Free(404A) Refrigeration System				
Safety Device		Over Temp. and Over Current Protector, Sensor Error and Low Level Detector, Leakage Breaker				
Drain		Included				
Lid		Stainless Steel Flat Lid included				
Nozzle		i.d.10mm×o.d.12mm(i.d. 10mm o.d.18mm Silicon tube Connected for inner Circulation)				
Others		CE Certified PL (Product Liability) Insurance Storage Function (Temp. & Timer) Locking Mode (Jog - Shuttle Input Disabled) User Self - Compensation Function Alarm (Error Status and Timer - end)				
Packing Dimension (w×d×h) (mm)		530×370×700		600×500×950	620×580×960	640×600×1040
Gross Weight		50 kg	54 kg	65 kg	76 kg	83 kg
Power Consumption		1.4 kW	1.6 kW	2.1 kW	3.4 kW	3.8 kW
Power Supply*		AC 110 V, 60 Hz or AC 230 V, 50 / 60 Hz				

* Other Specifications are available upon Customer's Request.