Circulator | external | refrigerated & heated

-30°C - +200°C, precise, refrigerated, heated, external, big filling volumina 10 l/18 l/25 l

WHR NEW

Ideal for:
• temperature control system for 5 – 100 l different reactors, evaporators and viscometer

Features:
• built-in, external nozzle for prevention of nozzle damage
• internal bath made from stainless steel (prevents corrosion)
• safety connection ports for connection with pipe for fluid in- and respectively outlet, made from stainless steel
• use with external direct contact K-temperature probe (optional)
• pump for internal and external circulation, max. 4 bar, max. flow rate 20-/40-/60 l/min
• 3 independent systems: refrigerating-, heating- and pre-cooling system
• faster heat-up and cool-down time
• high quality, shock-proof casters for convenient and safe moving
• CE certified and unique serial number for tracing

Safety mechanism:
• warning function and automatic stop function in case of liquid shortage

Controller:
• digital fuzzy control with Jog-Dial

Model	WHR-20	WHR-50	WHR-100
Temperature range & -stability	-30°C - +200°C, ±0.2°C at 15°C		
Filling volume heating fluid	max. 10 l	max. 18 l	max. 25 l
For XX l reactors, etc.	for 5 - 20 l reactors, etc.	for 20 - 50 l reactors, etc.	for 50 - 100 l reactors, etc.
Refrigerator capacity (HP)	4.5 kW	7.5 kW	18 kW
Heater	2.5 kW	6.0 kW	12 kW
Lid opening Ø	Ø80 mm		
Connection fluid in-/-outlet	ISO RC 1" (english system AG 1") thread, stainless steel		
Pump power, lift height, m — max. flow rate	20 l/min.	40 l/min.	60 l/min.
Pump power, lift height, m — max. pressure & lift	max. 4 bar, max. lift: 38 m		
Cooling capacity — at +15°C	8.1 kW	13.1 kW	22.7 kW
Cooling capacity — at 0°C	4.3 kW	7.3 kW	12.6 kW
Cooling capacity — at -25°C	1.4 kW	3.1 kW	5.45 kW
External Dimensions	550 x 630 x 1060 mm	700 x 790 x 1270 mm	770 x 1100 x 1500 mm
Optional temperature sensor	external, direct K-temperature probe		
Material	internal stainless steel, external powder-coated steel, urethane foam insulation		
Power supply	1 Phase AC 230V, 50/60 Hz or 3 Phase 380V		
Order number 230V	DH.WHR0020	-	-
Order number 3 Phase	-	DH.WHR0050	DH.WHR0100