



FP55-SL



FP90-SL

HighTech Series

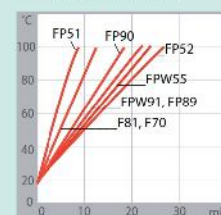
for working temperatures from -95 °C to +150 °C
upgradable with additional heating and pump capacity
for external applications

Ultra-low refrigerated circulators with SL impress with their high heating, cooling and pump capacities for external temperature control applications.

- Cooling capacities up to 5.5 kW, heating capacities up to 3 kW
- Insulated filling port (70 mm dia.)
- Heated bath cover plate to prevent condensation/ice build-up
- Upgradable with booster heater and booster pump
- Energy saving proportional cooling control
- Pressure and suction pump up to 1.1 bar, electronically adjustable

Note: FP models feature an energy-saving proportional cooling control. FPW models for cooling water connection.

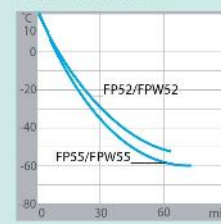
Heat-up time
Bath fluid: Thermal



Filling port with insulated cover



Cool-down time
Bath fluid: Ethanol



JULABO Order No.	JULABO Model	Working temperature range °C	Temp. stab. °C	Heat. cap. kW	Cooling capacity kW (Bath fluid: Ethanol)					Pump cap./Flow rate			Fill. vol. liters	Dimensions W x L x H cm
					+20	0	-20	-40	-60 °C	l/min.	Pressure bar	Suction bar		
9 352 752N	FP52-SL	-60 ... +100	±0.05	3	3.0	2.8	1.6	0.65	0.1	22-26	0.4-0.7	0.2-0.4	24	59 x 76 x 116
9 352 755N	FP55-SL	-60 ... +100	±0.05	3	5.2	4.1	2.2	0.7	0.13	22-26	0.4-0.7	0.2-0.4	27	85 x 76 x 116
9 352 752N150	FP52-SL	-60 ... +150	±0.05	3	3.0	2.8	1.6	0.65	0.1	22-26	0.4-0.7	0.2-0.4	24	59 x 76 x 116
9 352 755N150	FP55-SL	-60 ... +150	±0.05	3	5.2	4.1	2.2	0.7	0.13	22-26	0.4-0.7	0.2-0.4	27	85 x 76 x 116
water-cooled models														
9 352 753N	FPW52-SL	-60 ... +100	±0.05	3	3.0	2.8	1.6	0.65	0.1	22-26	0.4-0.7	0.2-0.4	24	59 x 76 x 116
9 352 756N	FPW55-SL	-60 ... +100	±0.05	3	5.5	4.1	2.2	1.0	0.13	22-26	0.4-0.7	0.2-0.4	27	59 x 76 x 116
9 352 753N150	FPW52-SL	-60 ... +150	±0.05	3	3.0	2.8	1.6	0.65	0.1	22-26	0.4-0.7	0.2-0.4	24	59 x 76 x 116
9 352 756N150	FPW55-SL	-60 ... +150	±0.05	3	5.5	4.1	2.2	1.0	0.13	22-26	0.4-0.7	0.2-0.4	27	59 x 76 x 116

Included with each unit: 2 each barbed fitting for tubing 8 and 12 mm inner dia. (pump connections M16x1 male)
FPW Models: Cooling water connections G 3/4" male with barbed fittings for tubing 1/2" inner dia.



FPW91-SL



Applications

Jacketed reactors, miniplant installations, Kilo labs, process development

Increase heating and/or pump capacities with booster modules

All models on this double-page are upgradable (except for F95-SL and FW95-SL).

HST booster heater ①

adds 6 kW of heating capacity for a total of 9 kW

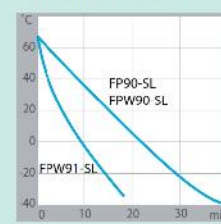
HSP booster pump ②

increases pumping capacity to 30 l/min - 3 bar max. (reduces cooling capacity by 0.4 kW)

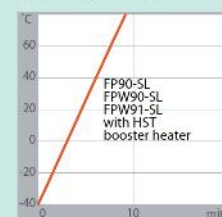
Upgradable with booster heater and pump



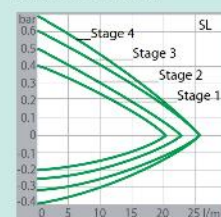
Cool-down time Bath fluid: Thermal



Heat-up time Bath fluid: Thermal



Pump capacity Bath fluid: water



JULABO Order No.	JULABO Model	Working temperature range °C	Temp. stab. °C	Heat. cap. kW	Cooling capacity kW (Bath fluid: Ethanol)						Pump cap./Flow rate			Fill. vol. liters	Dimensions W x L x H cm
					+20	0	-20	-40	-60	-80 °C	l/min.	Press. bar	Suction bar		
9 352 790N	FP90-SL	-90 ... +100	±0.05	3	1.8	1.7	1.6	1.35	0.75	0.15	22-26	0.4-0.7	0.2-0.4	22	59 x 76 x 116
9 352 795N	F95-SL	-95 ... 0	±0.05	3	--	1.7	1.5	1.3	1.1	0.36	22-26	0.4-0.7	0.2-0.4	22	59 x 76 x 116
9 352 790N150	FP90-SL	-90 ... +150	±0.05	3	1.8	1.7	1.6	1.35	0.75	0.15	22-26	0.4-0.7	0.2-0.4	22	59 x 76 x 116
water-cooled models															
9 352 791N	FPW90-SL	-90 ... +100	±0.05	3	1.8	1.7	1.6	1.35	0.75	0.15	22-26	0.4-0.7	0.2-0.4	22	59 x 76 x 116
9 352 793N	FPW91-SL	-91 ... +100	±0.2	3	4.5	4.1	3.7	3.1	2.0	0.75	22-26	0.4-0.7	0.2-0.4	22	85 x 76 x 116
9 352 796N	FW95-SL	-95 ... 0	±0.05	3	--	1.7	1.5	1.3	1.1	0.36	22-26	0.4-0.7	0.2-0.4	22	59 x 76 x 116
9 352 791N150	FPW90-SL	-90 ... +150	±0.05	3	1.8	1.7	1.6	1.35	0.75	0.15	22-26	0.4-0.7	0.2-0.4	22	59 x 76 x 116

Included with each unit: 2 each barbed fittings for tubing 8 and 12 mm inner dia. (Pump connections M16x1 male)

FPW Models: Cooling water connection G 3/4" male with barbed fitting for tubing 1/2" inner dia.