Recirculating Cooler
Heating and Refrigerating: -80°C ~ 100°C



ICooler-4006+ ICooler-4009+ ICooler-4017+ ICooler-4020E+ ICooler-8020A+

Key Features

- TFT 4.3 inch and bright display, easy operation and read, 0.01 display solution available, more information are displayed on screen
- CIT temperature control technology, cooling function can be activated even if at high temperature 100°C
- Optional RS485/RS232 interface for external remote control, Optional program and slope control
- Pressure/suction pump for open and closed external application
- Filling level indicator
- Optical and acoustic safety warning
- Overflow protection for filling safety
- The combination of EEV and PID control technology, energy saved and better temperature stability
- Heating and refrigerating function combined with pump for internal and external applications
- Class III safety protection: low liquid buoyage, adjustable hardware over temperature protection and software overtemperature
- Compact models[icooler-2006+/4006+/4006A+] are ideal for placement on table and fume hood
- The removable venting grid allows an easy cleaning of the condenser
- Easy filling and drain

Applications

- Rotary evaporator (1-3L, 5L, 10L, 20L,50L), r eactor system, bioreactor
- Distillation system for mini plants and pilot plants
- Vacuum chambers
- Combinatorial chemistry, reactor blocks, organic synthesis, reaction calorimeters, distillation semiconductor industry
- Jacketed reactors, reactors systems and autoclaves for polymerization and polycondensation etc

Product Parameters

Model	Temp. Range (°C)	Temp. Stability (°C)	Heating Capacity (W)	Cooling Capacity (W)	Pump Max. Flow Rate (L/min)	Pump Max. Pressure (bar)	Pump Suction (bar)	Bath Volume (L)	Dimensions (W*D*H)(mm)
ICooler-2003+	-20 ~ 100	±0.05	1500	450	12	0.2	0.1	3	220x420x495
ICooler-2006+	-20 ~ 100	±0.05	1500	700	22	0.3	0.2	4.5	220x420x495
ICooler-4006+	-40 ~ 100	±0.05	1500	800	22	0.3	0.2	4.5	220x420x495
ICooler-2009+	-20 ~ 100	±0.05	1500	1200	22	1	/	9	300x500x620
ICooler-4009+	-40 ~ 100	±0.05	1500	1500	22	1.0	---	9.0	300x480x630
ICooler-2017+	-20 ~ 100	±0.05	3000	2400	22	1	/	17	400x550x670
ICooler-4017+	-40 ~ 100	±0.05	2000	2400	22	1.0	---	17.0	400x550x670
ICooler-2020E+	-20 ~ 100	±0.05	2000	2600	33.3	0.7	0.4	20	450x550x1150
ICooler-4020E+	-40 ~ 100	±0.05	2000	3200	0 ~ 33.3	0 ~ 0.7	0 ~ 0.4	20.0	450x550x1150
ICooler-4020+	-40 ~ 100	±0.05	6000	5500	0 ~ 33.3	0 ~ 0.7	0 ~ 0.4	20.0	560x650x1300
ICooler-8005+	-80 ~ 100	±0.05	750	400	0 ~ 25	0 ~ 0.4	0 ~ 0.3	5.0	355x455x865
ICooler-8005A+	-80 ~ 100	±0.05	750	800	0 ~ 33.3	0 ~ 0.7	0 ~ 0.4	5.0	450x515x865
ICooler-8020A+	-80 ~ 100	±0.05	2000	1600	0 ~ 33.3	0 ~ 0.7	0 ~ 0.4	20.0	560x650x1300