

# RS Series Recirculating Chiller

## Overview

- ▶ -40°C to +75°C  
(with auxiliary heater)
- ▶  $\pm 0.1^\circ$  control stability  
(process dependent)
- ▶ Easy to operate

## Fluid Selection Facts

*For best pumping or stirring results, choose a fluid medium with a kinematic viscosity of 20 centistokes or less over the full operating temperature range. Remember, the heat exchanger in the recirculating cooler may be several degrees colder than your process.*

## Benefits

- ▶ Single unit can be used for a variety of applications in lab
- ▶ Provides higher pressure pumping
- ▶ Saves space
- ▶ Allows control and data collection from a remote location



## Dependable cooling for laboratory applications



## Features at a glance

- Wide temperature range
- Positive displacement pumps available
- Small footprint
- RS232 interface

## Applications

- Reaction vessels
- Extractors
- Diffusion Pumps
- Lasers
- Sputtering systems.....and more

Call **800-824-0400**  
or visit [www.ftssystems.com](http://www.ftssystems.com)

## RS Series Recirculating Chiller specifications

### Model specifications

		RS33	RS33LT	RS44	RS44LT
Heat Removal (watts/BTUs)	+20°C	1050/3580	350/1195	1410/4805	504/1718
	+10°C	880/3005	340/1160	1230/4190	450/1534
	0°C	760/2595	330/1125	1050/3580	405/1381
	-10°C	560/1915	285/970	-	370/1261
	-15°C	-	280/955	-	360/1227
	-20°C	-	275/938	-	330/1125
	-30°C	-	195/665	-	285/971
	-40°C	-	60/205	-	130/443
Temperature Range °C		-10 to +35	-40 to +35	-10 to +35	-40 to +35
Reservoir	liters	2	2	2	2
Controls	standard	Digital/RS232	Digital/RS232	Digital/RS232	Digital/RS232
Control Stability	±°C	0.1 <sup>1</sup>	0.1 <sup>1</sup>	0.1 <sup>1</sup>	0.1 <sup>1</sup>
Heater (optional)	°C	600W/75°	600W/75°	-	-
Pump	standard: centrifugal option: positive displacement <sup>2</sup>	2 gpm @ 4 psi 1.6 gpm @ 100 psi	2 gpm @ 4 psi 1.6 gpm @ 100 psi	2 gpm @ 4 psi 1.6 gpm @ 100 psi	2 gpm @ 4 psi 1.6 gpm @ 100 psi
Dimension w x d x h	inches	13 x 21 x 19	13 x 21 x 19	13 x 21 x 19	13 x 21 x 19
	cm	33 x 53 x 48	33 x 53 x 48	33 x 53 x 48	33 x 53 x 48
Weight	lbs/kg	80/36	80/36	90/41	90/41
Electrical (without heat option) <sup>3</sup>		120V/60Hz/ 10A	120V/ 60Hz/ 10A	208-230V/ 60Hz/ 8A	208-230V/ 60Hz/ 8A

\*Specifications noted above are dependent on fluid choice, fluid temperatures, ambient temperature and electrical supply. Please contact the factory to further discuss your requirements.

1. Process dependent.

2. Using 1.6 gpm/100 PSI pump option, decrease heat removal by 90 watts.

3. 220V/50Hz also available. Decreases heat removal by 17%.



Committed to Product Excellence...and Continuous Support

#### SP Industries

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