

Flexi-Cool® Immersion Cooler

Applications

- ▶ Laboratory dewars
- ▶ Vapor trapping
- ▶ CCD camera
- ▶ Differential scanning calorimeter
- ▶ Reaction vessels
- ▶ Thermostatic baths
- ▶ ASTM plastic and metal tests
- ▶ Parylene coating systems

Benefits

- ▶ No secondary medium to introduce additional heat load
- ▶ Meets requirements for a variety of applications
- ▶ Continuous low temperature cooling without dry ice
- ▶ Precise temperature control at your process
- ▶ Allows control and data collection from a remote location



Call **800-824-0400**
or visit www.ftssystems.com

Remote, refrigerated probes put the cooling where you need it



FC55

FC100

Features

- Refrigerant expands directly inside the probe
- Choice of three standard probe options
- Mechanically refrigerated
- Digital control with remote sensor
- RS232 interface

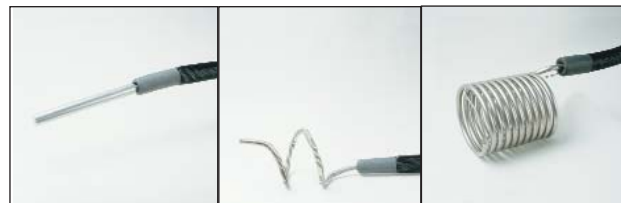
Model Specifications

		FC55	FC100
Heat Removal (watts/(BTUs))	+20C	220/750	180/610
	0 C	200/680	170/580
	-20 C	170/575	160/545
	-40 C	70/235	140/475
	-60 C	-	110/375
	-80 C	-	60/205
Temperature Range °C		-50	-100
Cooling Rate ¹		30 min/-50°C/2L	50 min/-80°/2L
Compressor		1/4 hp	Two @ 1/4 hp
Controls	standard: option:	On/Off Digital/RS232	On/Off Digital/RS232
Indication °C	standard: option:	- 0.1 with Digital	- 0.1 with Digital
Dimension W x D x H	inches cm	10.5 x 16.5 x 9.25 26.7 x 41.9 x 23.5	10 x 20 x 18.5 25.4 x 50.8 x 47.9
Weight	lbs/kg	50/23	70/32
Electrical ²	(see options)	120V/60 Hz/4A	120V/60 Hz/7A

1. Cooling rates based on time to cool to a given temperature with a quantity of well-stirred fluid, with a specific heat of 0.6 and a specific gravity of 0.8 from +20°C in a well-insulated dewar.
2. 220V/50 Hz also available. Decreases heat removal by 17%.

Probe Specifications

		Flexible Corrugated	Smooth Cylinder	Smooth Coil
Probe Model No.		P2	P1	P4
Material		316 SS	304 SS	304 SS
Inside Diameter	inches	15/32	3/4	3/8
	mm	11	19	10
Length	inches	25	7	8
	cm/mm	63 cm	17.8 mm	20.3 cm
Outside Diameter	inches	-	-	5
	cm	-	-	12.7



P1

P2

P4



Committed to Product Excellence...and Continuous Support

SP Industries

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