

Immersion Probe Coolers

Excellent for trapping and Dewar-type applications, these coolers reduce the expense of using consumables such as dry ice or liquid nitrogen. A flexible hose allows convenient placement of the cooling probe. With a variety of probes available, these Immersion Probe Coolers are the ideal solution for reaching extreme cold temperatures with high efficiency.

	IP-100	IP-80	IP-60	IP-35
Temperature Range	-100 to -60°C	-80 to -40°C	-60 to -20°C	-35 to 40°C
Cooling Capacity (W)	85 @ -65°C 35 @ -80°C	215 @ -60°C 100 @ -80°C	150 @ -20°C 0 @ -60°C	1004 @ 20°C 106 @ -30°C
Temperature Control	Fixed at -100°C	Fixed at -80°C	Fixed at -60°C	Fixed at -35°C
Temperature Readout	Yes	Yes	No	No
Overall Dimensions (L x W x H)	20.1 x 15 x 22.3 in 51.1 x 38.1 x 56.6 cm	20.1 x 15 x 22.3 in 51.1 x 38.1 x 56.6 cm	11 x 10 x 9 in 27.9 x 25.4 x 22.9 cm	17 x 14 x 14 in 43.2 x 35.6 x 35.6 cm
Hose Diameter	2.8" (7.1 cm)	2.8" (7.1 cm)	1.5" (3.8 cm)	1.5" (3.8 cm)
Hose Length	6' (1.8 m)	6' (1.8 m)	4' (1.2 m)	4' (1.2 m)
3" Rigid Coil	•			•
1.875" Rigid Coil		•		•
1.5" Rigid Coil			•	
1.875" Bent Probe		•		
1.5" Bent Probe			•	
Rigid Cold Finger	•			
Flexible Cold Finger	•			



Engineered specifically for use with Dewar Style Cold Traps, our revolutionary Bent Immersion Probe changes the way your lab is organized. By allowing for the probe to hang directly on the edge of the glass, no additional space or support is required.



	Probe Length	Probe Diameter	Exposed Length ¹
3" Rigid Coil	9" (22.9 cm)	3" (7.6 cm)	17" (43.2 cm)
1.875" Rigid Coil	7" (17.8 cm)	1.875" (4.8 cm)	16.5" (41.9 cm)
1.5" Rigid Coil	4" (10.2 cm)	1.5" (3.8 cm)	15" (38.1 cm)
1.875" Bent Probe	7" (17.8 cm)	1.875" (4.8 cm)	8" (20.3)
1.5" Bent Probe	4" (10.2 cm)	1.5" (3.8 cm)	6" (15.2)
Rigid Cold Finger	3.75" (9.53 cm)	0.7" (1.8 cm)	3.75" (9.53 cm)
Flexible Cold Finger	15" (38.1 cm)	0.625" (1.6 cm)	15" (38.1 cm)

1. Exposed length refers to the amount of exposed metal from the insulated hose to the tip of the probe.