

Ebullient DirectJet™ Module Loops



INTRODUCTION

Ebullient DirectJet Module Loops cool up to eight devices in series, and deliver quiet, reliable, and uniform performance.

OVERVIEW

Ebullient DirectJet Module Loops feature DirectJet Modules, quick-connect fittings, and flexible tubing, allowing for rapid installation in any server, regardless of make or model—even blade servers.

ADVANTAGES

No Water, No Oil

Fully sealed Module Loops flow a non-conductive engineered fluid that, unlike water or oil, poses no risk to electronics.

High Performance

A single Module Loop can cool up to eight devices in series and remove up to 2,000 W of heat.

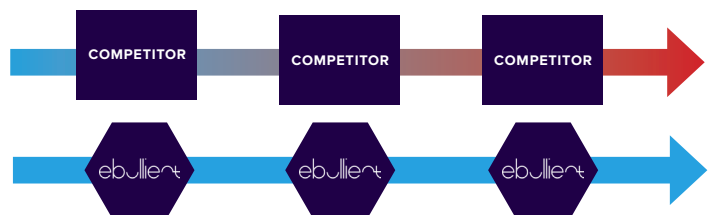
Universal

Flexible Module Loops install in any server, regardless of make or model—even blade servers.

Hot-Swappable

No-spill quick-connects permit safe and easy removal and attachment during operation for convenient IT hardware servicing.

UNIFORM TEMPERATURES



In competitors' systems, fluid warms as it flows from device to device, causing all your devices to operate at different temperatures.

In Ebullient DirectJet systems, two-phase cooling delivers uniform fluid temperatures from device to device, maintaining all of your devices at uniform temperatures.

Ebullient DirectJet Module Loops

DIRECTJET MODULES

DirectJet Modules mount directly to any CPU or GPU and remove heat at its source. To install, simply remove an air-cooled heat sink, and in its place, mount a DirectJet Module to existing mounting holes with provided hardware.

PERFORMANCE

Heat Removal Capacity¹ Up to 375 W each

¹ Performance may vary with application

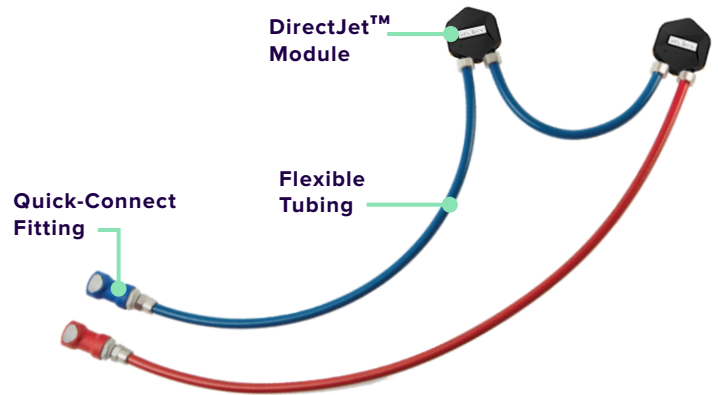
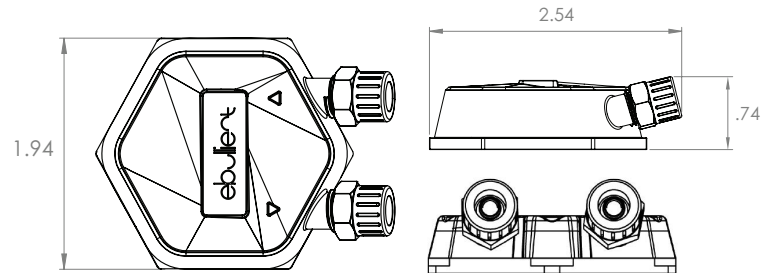
FLUID

Type	Novec 7000
Conductivity	Non-conductive dielectric fluid
Safety	Low GWP

PHYSICAL ATTRIBUTES

Materials	Polymer body / Copper base
Dimensions (HxWxD)	18.8 x 49.3 x 64.5 mm 0.74 x 1.94 x 2.54 in
Weight	85 g 3 oz

DRAWINGS



MODEL	NUMBER OF DIRECTJET MODULES	TUBING DIAMETER	MINIMUM BEND RADIUS
S1	1	6.35 mm / 0.25 in	25.4 mm / 1 in
S2	2	6.35 mm / 0.25 in	25.4 mm / 1 in
S3	3	9.53 mm / 0.375 in	38.1 mm / 1.5 in
S4	4	9.53 mm / 0.375 in	38.1 mm / 1.5 in
S5	5	9.53 mm / 0.375 in	38.1 mm / 1.5 in
S6	6	9.53 mm / 0.375 in	38.1 mm / 1.5 in
S7	7	9.53 mm / 0.375 in	38.1 mm / 1.5 in
S8	8	9.53 mm / 0.375 in	38.1 mm / 1.5 in

These specifications are not intended as a warranty. In the interest of product improvement, these specifications may be changed from time to time without notice. Please consult your sales representative for details.