

DME Internally Heated Manifolds (DME “Cool One”) – FREQUENTLY ASKED QUESTIONS

Please note: For answers to general questions regarding cartridge heaters or thermocouples, please refer to the separate FAQ sheets for cartridge heaters and for thermocouples.

Q: I would like to design a hot runner system using the DME “Cool One” hot runner. How do I do this?

A: All the information required to design a hot runner system using the DME Cool One is in the DME Hot Runner Catalog.

Q: If I am ordering a DME manifold system, how many plates are typically used?

A: Examples of plate stack ups for the DME Cool One manifold system is shown in the DME Hot Runner Catalog.

Q: I have built my own hot runner, I have had a molding problem and now I need to have my hot runner system repaired. Does DME offer this form of service?

A: Yes, DME does offer a service to repair Hot Runner systems, for a fee. Please contact your DME Customer Service Representative for more details.

Q: I have a DME “Cool One” hot runner system, and I need to replace a cartridge heater. Will any cartridge heater work?

A: No. DME Cool One hot runner system components were developed over many years with both distributor tube and probe heaters designed specifically for the intended application. Using the wrong cartridge heater could either cause burning or degradation of the resin melt, failure to adequately melt the resin, or, could lead to system leaks. All standard replacement items required for DME Cool One hot runner systems are available out of the DME Hot Runner Catalog.

Q: Can I process “engineered” thermoplastic like Nylon while using a hot runner built using DME Cool One hot runner system components?

A: Some customers have had success running certain engineered thermoplastic resins, but typically we recommend only using a DME Cool One hot runner system to process select engineered thermoplastics if you are already familiar on how to do so and have had success. If you are unfamiliar on how to use a DME Cool One hot runner system to process engineered thermoplastics, we recommend that you consider using an “externally heated” hot runner system from DME, with hot runner nozzles such as the DME Hot One nozzle product line.

Please note: It is not recommended to use a DME Cool One Hot Runner system for processing filled thermoplastic.

Q: Can I modify a DME Cool One probe?

A: Do not modify your DME Cool One probes. Probe pocket machining instructions are given in the DME Cool One section of the DME Hot Runner Catalog.

For additional information regarding DME Internally Heated Manifolds or the “Cool One” Hot Runner system, please refer to the DME Hot Runner Catalog. For other concerns regarding DME Internally Heated Manifolds or “Cool One Hot Runner system”, please contact us by visiting our website at <http://www.dme.net>, or contact

your regional DME sales representative. In the USA or Canada only, please contact DME Customer Service by visiting our website at <http://www.dme.net>, or call 800-626-6653 (U.S.) or 800-387-6000 (Canada).