



Custom Equipment Profiles: Air Cooled MRI Chiller with Emergency City Water By-Pass

In our estimation it is necessary to consider the cooling of all MRI scanning equipment critical. It would be devastating and costly to hospital administrators, doctors and patients for the MRI equipment to fail during operation due to overheating. As such we view the emergency by-pass as a vital addition for this application.

The air cooled MRI chiller with emergency by-pass, designed by the engineering team at General Air Products, guarantees uninterrupted cooling capacity. If power to the chiller is lost, or if the general alarm (a standard feature on our industrial grade chillers) is triggered the emergency bypass is immediately put into action. The alarm or power loss will signal the valves to close the inlet and outlet pipes of the chiller and open the city water inlet and outlet connections instantly thus providing cooling to the MRI equipment under any condition.



Our standard, industrial grade* chillers (air cooled or water cooled) will provide the cooling necessary for the MRI equipment to run problem free under standard conditions without the addition of an emergency by-pass. However, many of our customers have Murphy's Law in mind - in a hospital or in any environment where cooling is absolutely critical** anything that can go wrong will go wrong. The simple and inexpensive addition of an emergency by-pass valve to General Air's standard industrial grade chillers allows you to keep Murphy's Law at bay, at least in regard to your cooling system.

Please call us at 1-800-345-8207 for more details on these and all of our custom capabilities.



2 Ton Air Cooled MRI Chiller with Emergency City Water By-Pass recently built by General Air Products, Inc.

* Our industrial grade chillers are constructed with durable, high quality components that are designed for varying loads and frequent cycling. In contrast, commercial grade (HVAC grade) chillers use components that are designed for low cycling and consistent load applications - when they are used in industrial applications compressor failure, performance and efficiency degradation become common issues.

** Our process cooling engineering team would like you to note that any application you consider critical, we consider critical. The simple and inexpensive addition of an emergency by-pass, to allow uninterrupted cooling via city water, is an important consideration for any process where even a brief failure in the cooling system will harm the quality of your product or the costly equipment you use to create it.



Call Toll Free 800-345-8207
or email: genairpro@generalairproducts.com
to contact our Team of Process Cooling Experts