

Raymond® Imp™ Mill Insulating Jackets

- Conserve energy
- Maintain a cooler environment
- Safe guard against hot surface contact
- Improved maintainability
- Easy to install



The high inlet temperatures of the Raymond® Imp™ Mill, used for flash drying and gypsum calcining applications, result in high temperatures on the exterior surfaces of the mill. It is not practical to insulate the mill with standard ductwork insulation, because it must remain accessible for maintenance.

As a solution, Coperion has developed a removable jacket that is made of multiple panels that clip together. Designed for many years of wear, the jacket is constructed of 2" / 50 mm fiberglass insulation mat sewn into a PTFE impregnated fiberglass fabric cover. The jacket does not require anything to be added to the mill such as hooks or loops to support it and can be installed in a couple of hours. Metal clips on adjustable straps allow for easy installation and removal of each section for access to the mill components.

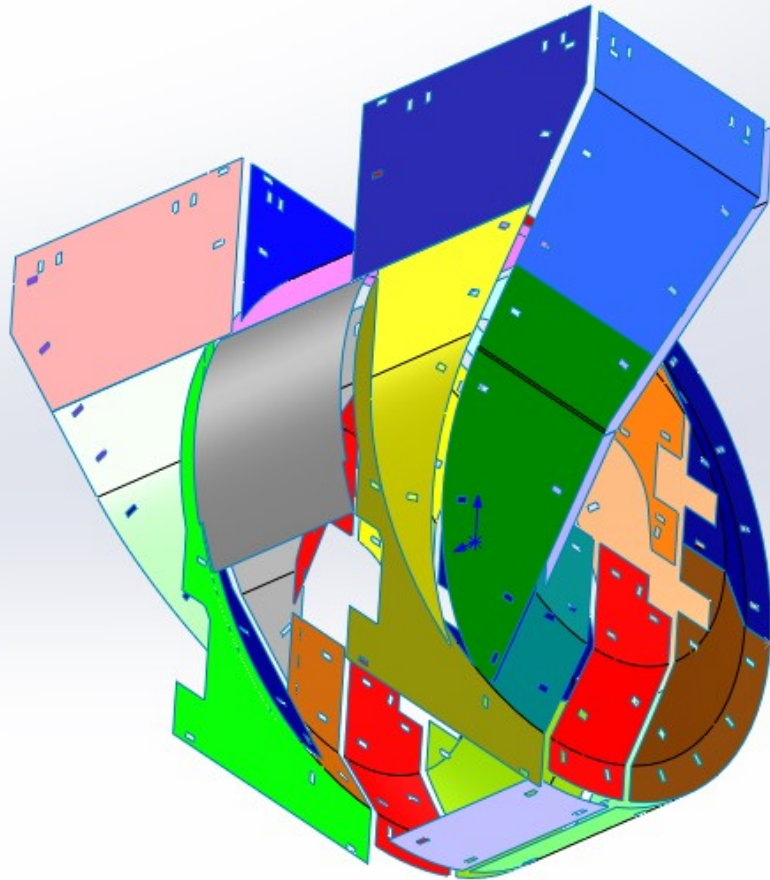


The independent sections provide a fitted shape and are small enough to allow installation and removal by a single person. Removal of the jacket is not required to open the hinged mill housing.

Employee safety is a priority in any workplace, especially in environments with high temperature equipment. Fences and temporary barriers waste production floor space and make mill maintenance more difficult. The Raymond® Imp™ Mill Insulating Jacket provides an effective and compact barrier between plant personnel and the exterior surfaces of the mill. With the use of the jacket, a surface temperature of 450 °F / 230 °C can be reduced to below 120 °F / 50 °C in 80 °F / 26 °C ambient conditions with no air movement.

The jacket will also conserve process energy by retaining system heat in the system instead of allowing it to radiate into the atmosphere which will increase the ambient temperature of the working environment. A 450 °F / 230 °C surface can lose over 1200 BTU/hr per square foot / 14.7 MW per square meter in the conditions described.

103 Raymond® Imp™ Mill jacket section map



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