

# THE MERCER RUBBER IMPROVED METHOD OF STEAM CURING

## EXTREMELY LARGE RUBBER EXPANSION JOINTS & DUCT CONNECTORS

We always had the ability to cure expansion joints up to 128" ID in one of our three high pressure autoclaves. Now Mercer has the unique ability to steam cure huge rubber expansion joints having full faced flanges as large as 168" ID. or floating flanges up to 180" ID as well as rectangular expansion joints or duct connectors up to 180" square. We believe this is the largest steam curing system in the United States.

It is interesting to note that this steam curing method was designed in response to market demand for ever larger products. The old Mercer factory "baked" the products in ovens and some of our competitors still do it that way. Steam cures produce products with fewer defects and much more uniform cure.



Lowering of 145" ID Expansion Joint into concrete steam curing pit. Weight with mandrel is 6000 lb.

Fully lowered and supported by shaft to sidewall brackets.



Introduction of swirling steam from multiple jets assures uniform heat distribution and rubber curing. Photo shows pit prior to closing 10" 9600 lb gasketed concrete cover.

Raising of 10" concrete cover after completion of cure, prior to removal of product.

