

Plumbing Engineer's  
**2011**  
**Manufacturer  
Spotlight**



## Josam offers cost effective drainage system for building owners and engineers

**M**aintaining sanitary conditions in hospitals, or any health care facility for that fact, remains a serious concern that continues to be strictly monitored by the Centers for Disease Control and Prevention (CDC). While cleanliness in hospital environments is most often associated with patient and surgical rooms, surgical equipment and other such items that patients come in direct contact with, maintaining sanitary work conditions in the hospital kitchen facility is also a major ongoing issue.



*Listeria results in approx. 2,500 illnesses and 500 deaths annually.*

Listeria is one of the most virulent foodborne pathogens with twenty to thirty percent of clinical infections resulting in approximately 2,500 illnesses and 500 deaths annually in the United States. While piping and drainage systems are not often associated with maintaining a hygienic condition, listeria, able to grow at refrigerated temperatures, is commonly found in commercial kitchens including trapped inside of coolers, chillers and last but not least, pip-

ing and drainage systems.

Due to the non-porous surface of stainless steel and cognizant of ongoing listeria issues, most commercial kitchen designs include a variety of stainless steel items, including but not limited to, appliances, utensils, countertops and sinks. In reality listeria does not stop at the kitchen sink and this hardy bacterium could travel well beyond into the plumbing and drainage system. With this in mind, more and more facility owners and specifying



*A Josam Push-Fit installation at New Cherry Hospital in Goldsboro, N.C.*

engineers are realizing that a stainless steel plumbing and drainage system in commercial kitchen applications is an excellent way to help further address listeria concerns. As a result the Josam Push-Fit Stainless Steel Drainage System, manufactured by Chibro, has become quite popular in such applications.



*The Josam Push-Fit system includes a complete range of pipes and fittings available in sizes 1-1/2" through 8".*

One recent project that utilized the Josam Push-Fit Stainless Steel Drainage System was the New Cherry Hospital located in Goldsboro, North Carolina. The Josam Push-Fit product was installed in the kitchen area of the hospital by Raleigh based John E. Green Company (in business since 1909). When reviewing the scope of the project, John E. Green Company noted the stainless steel push-fit pipe and fittings specified for the kitchen area. Having never worked with the Push-Fit product, John E. Green estimators bid the project accordingly.

The product scope for the New Cherry Hospital included a variety of 1 1/2" through 4" pipe and fittings. Josam personnel helped familiarize John E. Green on the unique benefits of a push-fit system; including the ease of making a joint, the simplicity of cutting the product and best utilization of the variety of pipe lengths available. "Making a joint was like no other system that we have previously worked with," says John E. Green Project Manager, David Newberry. "You simply lubricate the joint and push the spigot and socket together. The variety of pipe lengths minimized both the number of cuts and waste on the project. Additionally, the light weight of the product allowed for ease of handling on the jobsite. The overall ease of installation of the Josam Push-Fit System reduced the labor hours well below the budgeted hours to install the product. This product was perfect for a kitchen application and I have every intention of using it again on a future project where hygiene is a concern," adds Newberry.

The cost effectiveness of the Josam Push-Fit Drainage System provides building owners and engineers with an economical stainless steel solution that goes well beyond the kitchen sink!

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