LabWaste® Beyond the Lab

A World of Applications

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LabWaste® CPVC Piping System

LabWaste® is a patented, proven CPVC chemical waste piping solution specifically developed to provide laboratory system owners a value-engineered alternative to traditional materials like Polypropylene, Glass, PVDF and Cast Iron. Since it's inception in 2003, not only has **LabWaste®** been relied upon to convey caustic, high-temperature chemicals to drain, but has been successfully installed in thousands of laboratory waste applications and continues to meet the demanding needs for which it was originally designed.

The amazing success of **LabWaste®** in chemical waste systems has prompted system owners to consider and install **LabWaste®** in many other, more diverse waste applications beyond the lab.

LabWaste® CPVC Piping System

LabWaste® offers a world of application possibilities as listed below:

FOOD PROCESSING
- Yogurt Plants
- Condiments
- Meat, Seafood & Dairy Processes
- Candy Factories

BEVERAGE PROCESSING
- Breweries & Micro Breweries
- Alcoholic Beverage Processes
- Bottling Plants
- Food Courts

INDUSTRIAL DRAINAGE
- Battery Charging Facilities
- Pulp & Paper Mills
- Semi Conductor Fabrication Facilities

SANITARY DRAINAGE
- Penitentiaries
- Data Center Roof Drainage
- Marine Black & Gray Water Systems
- Stadium Concessions
- Casinos

COMMERCIAL DRAINAGE
- Water & Wastewater Treatment
- Storm Water Drainage
- Dialysis
- Radioactive Pathological Waste
- Restaurant & Buffet
- Universities
- Cafeterias
- Commercial Kitchen Waste

Why **LabWaste®**?

The patented **LabWaste®** CPVC Piping System design is based on a combination of traditional Drain Waste and Vent (DWV) pattern fitting designs and pipe made from a high temperature, chemical and corrosion resistant CPVC material. This combination results in a high performance drainage system that doesn't require periodic replacement like cast iron and other materials. **LabWaste®** has been granted a listing by the ICC for use in sanitary drainage applications (PMG-1018 - visit www.icc.org).

LabWaste® is available in sizes 1-1/2" through 24" and can withstand a maximum temperature up to 220 °F (104 °C) making it far more suitable for a variety of different types of drainage applications. The corrosion-free CPVC material is not limited by pH and exhibits exceptionally low flame & smoke properties allowing its use in return air plenums unprotected in accordance with its listing by the ICC (PMG-1278 - visit www.icc.org). Use of a one-step solvent cement greatly reduces installation time by up to 50% and solvent cement cure times allow for quicker system testing and commissioning.

LabWaste® Application Examples

LabWaste® in Sanitary Drainage Systems

LabWaste® is ideal for use in sanitary drainage systems and has been listed and approved by the ICC for use in both sanitary drainage and return air plenum applications. Integrally designed fitting slope provides a 1/4"/ft. self-draining feature required by local Codes for sanitary drainage applications.

LabWaste® in Breweries and Micro Breweries

System corrosion affects many drainage materials due to their limited resistance to chemicals. Breweries are required to sanitize and disinfect their piping systems on a regular basis using caustic chemicals that piping like stainless steel and others cannot withstand. Piping systems made from PP Fusion weld systems can also fail due to metal wire lead exposure embedded in the plastic material. **LabWaste®** is not susceptible to corrosion and exhibits smooth walls providing superior flow characteristics.

LabWaste® in Commercial Kitchens

Grease trap (interceptor) waste is made up of residual FOG's that are removed from dishes, pots & pans, diluted with hot water, then washed down the sanitary drain system where they are collected in an on-site grease trap (interceptor). **LabWaste®** excels in this type of wastewater conveyance due to it's excellent high-temperature and corrosion resistance. **LabWaste®** in Commercial Kitchen drainage applications safely conveys grease trap waste through the piping system. In the photo, kitchen wastewater is transported into a MIFAB® Big Max® model XL-MI-G-PL-1150 grease interceptor.*

LabWaste® in Food Processing Plants

Food processing facilities must maintain process cleanliness. The **LabWaste®** CPVC Piping System does not promote bacterial growth nor leach contaminants into process streams. Chosen for sanitary drainage, **LabWaste®** performs flawlessly in food process drainage applications due to it's corrosion resistance and high temperature capabilities.

ICC ES PMG
PMG-1018 & PMG-1278

GREENGUARD GOLD

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