





**WHY SPECIFY CHARLOTTE PIPE'S
CHEMDRAIN® CPVC CHEMICAL WASTE
DRAIN SYSTEM?**

BECAUSE WE'VE BUILT A BETTER MOUSETRAP.

Why continue to do things the same old way when there is a better solution right at your fingertips? Charlotte Pipe and Foundry's ChemDrain® CPVC Chemical Waste Drain System offers a safe, durable and economical alternative for the disposal of acids, bases, salts and a wide range of organic media in institutional, academic and commercial laboratories. For more than 50 years, CPVC (chlorinated polyvinyl chloride) has been used in a variety of chemical-processing applications. Charlotte Pipe's ChemDrain CPVC pipe and fittings are specifically engineered for chemical waste drainage that will deliver years of reliable, problem-free service.

BENEFITS OF CHARLOTTE PIPE AND FOUNDRY'S CHEMDRAIN® CPVC CHEMICAL WASTE DRAIN SYSTEM INCLUDE:

COST EFFECTIVE

In many cases CPVC is the most suitable solution on the market because it overcomes the most common drawbacks associated with other materials. For example, glass and high-silicon cast iron can be cumbersome, fragile and expensive to install. Polypropylene (PP) and polyvinylidene fluoride (PVDF) installation can be complicated, time consuming and inconsistent. In contrast, CPVC is easy to install, reliable and durable, and maintenance free, lowering your total costs of ownership over the life of the system.

EASY INSTALLATION

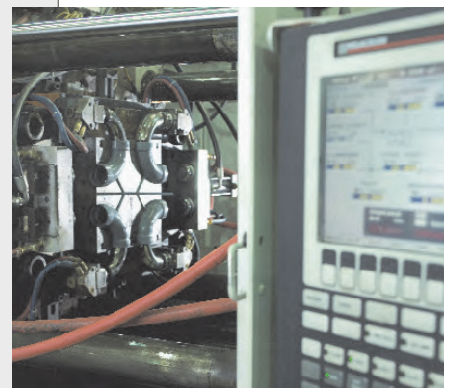
CPVC pipe is lightweight and requires no special tools for cutting. Each piece is manufactured by Charlotte Pipe® to exacting standards to avoid time-consuming trouble or delays during installation. Also, CPVC has smooth, seamless walls and can be installed quickly and easily. CPVC is joined by solvent cement – providing consistently reliable connections proven by 50 years of service in the chemical processing industry. The solvent cement chemically fuses the pipe and the fitting. The result: a permanent weld that is leak free and durable.

MAINTENANCE FREE

Once a CPVC system is properly selected, designed and installed, it is virtually maintenance free. It will not rust, pit, scale, corrode or promote interior buildup – for years of trouble-free service in chemical waste drainage applications.

CHEMICAL RESISTANCE

One of the key advantages of Charlotte Pipe's ChemDrain CPVC System is its high resistance to a broad range of acids and caustic chemicals when properly diluted by flushing with water. CPVC is inert to most acids, bases, salts and organic media (such as aliphatic hydrocarbons) within certain temperature limitations. CPVC compares favorably to other non-metallic piping materials and has an excellent or good resistance rating for many corrosive chemicals, making it an ideal material for use in laboratory disposal systems.



THE CHEMDRAIN® SYSTEM.

Charlotte Pipe® ChemDrain CPVC Solvent Cement has been specially formulated for chemical resistance to caustics including hypochlorites, mineral acids and other corrosive chemicals. And because Charlotte® is the only company that makes both CPVC pipe and fittings for chemical waste drainage, we have engineered our system for reliability and peace of mind. Charlotte Pipe is your single source for CPVC chemical waste pipe and fittings – what could be better?

SUGGESTED SPECIFICATION FOR CHEMICAL WASTE DRAIN SYSTEM.

Special drainage system for corrosive chemical or acid waste shall be manufactured from CPVC Type IV, Grade I compounds with a minimum cell classification of 23447. Pipe and Fittings shall conform to ASTM F 2618. Pipe shall be Schedule 40 dimensions. One-Step solvent cement shall be specially formulated for chemical waste applications and conform to ASTM F 493. All pipe, fittings and cement shall be supplied as a system by a single manufacturer and shall be certified by NSF International for use in corrosive waste drainage systems and shall bear the mark "NSF-cw." Special Drain system to be the ChemDrain® system as manufactured by Charlotte Pipe and Foundry Co. Installation to be in accordance with manufacturer's instructions and all applicable code requirements. Buried pipe shall be installed in accordance with ASTM D 2321 and ASTM F 1668.

The system is intended for use in non-pressure chemical waste applications with a maximum working temperature of 220° F.





DON'T TAKE OUR WORD FOR IT. COMPARE FOR YOURSELF.

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A COMPLETE CHEMICAL WASTE DRAIN SYSTEM



AW 1A
Waste assembly, Sink outlet.



AW 712PC
Jar trap with tail piece adapter.



AW 1512PC
CPVC 12" long sink tailpiece with nut
and fluoroeastomer gasket.



AW 711PC
L.A. pattern p-trap with union.

RELIABLE PERFORMANCE.

Fifty years of field applications have proven CPVC to be a reliable, durable and adaptable thermoplastic for use in a variety of industrial, commercial and residential installations. CPVC products are highly resilient, tough and long-lasting. CPVC piping is convenient to handle, easy to install and competitively priced against alternative materials. It will not rust, pit, scale, corrode or promote interior buildup. Once installed, a CPVC system is virtually maintenance free, lowering your total costs of ownership over the life of the system. With Charlotte Pipe and Foundry's ChemDrain® CPVC System, you can expect years of trouble-free service for chemical waste drainage applications.



A COMPANY YOU CAN TRUST. For more than a century, Charlotte Pipe and Foundry has been a leader in producing pipe and fitting systems for drain, waste and vent and industrial applications. When it comes to piping systems, trust the company that contractors trust most for excellent products, service and support. Trust Charlotte Pipe and Foundry. For more information, call us directly at 1-800-438-6091. Or log on to our web site at www.charlottepipe.com.

You can't beat the system.®

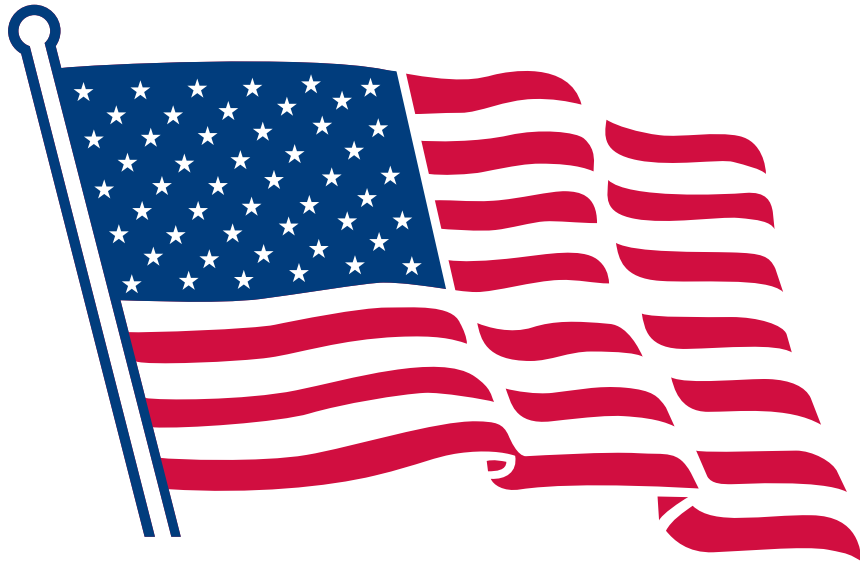
PO BOX 35430
CHARLOTTE
NORTH CAROLINA 28235

PHONE (704) 348 6450
(800) 438 6091

FAX (800) 553 1605

INTERNATIONAL FAX
(704) 348 9884

WWW.CHARLOTTEPIPE.COM



All products manufactured by
Charlotte Pipe and Foundry Company
are proudly made in the U.S.A.

