

CPVC Corrosive Waste System

Spears® LabWaste™ CPVC Corrosive Waste Drainage System



Spears® LabWaste™ is offered as a complete system of pipe, fittings, and solvent cement. A broad assortment of additional accessories are available including Valves, Unions, Flanges and Adapters. Fitting configurations are produced to applicable DWV patterns of ASTM D3311, Standard Specification for Drain, Waste, and Vent (DWV) Plastic Fitting Patterns, and various specialty patterns. All drainage fittings with 90° angles (sanitary tees, elbows, etc.) have socket pitch to maintain approximately 1/4" per foot drainage.

Spears® LabWaste™ products have been developed and designed to be used as a total system consisting of pipe, fittings, accessories, solvent cement and thread sealant. All Spears® LabWaste™ components must be used in order to insure a sound piping system. Substitution of other products for Spears® LabWaste™ pipe, fittings, or solvent cement may be detrimental to system integrity and is not recommended. The Spears® Limited Warranty does not cover problems occurring within the piping system as the direct result of non-

use of Spears® LabWaste™ system products.

Easy transition from PP/PVDF, Glass or Duriron systems to LabWaste™ CPVC using one of these special adapters for sizes 1-1/2" through 4" piping.

Features:

- Complete System of Pipe, Fittings & Adapters
- All CPVC Construction in Full Assortment of Standard DWV Patterns
- Custom Fabricated Accessories-Drains, Neutralization Tanks & Pump Stations
- Specially Formulated One-Step Solvent Cement Provides Chemical Resistance Equal to System Pipe & Fittings – Now in Special Yellow Color
- ULC Flame & Smoke Rated
- Non-Pressure Drainage Service to 220°F

Chemical & Corrosion Resistant CPVC

One of the key advantages of the LabWaste™ CPVC system is its excellent resistance to a broad range of corrosive environments. CPVC is inert to most mineral acids, bases, salts and aliphatic hydrocarbons, and compares favorably to other non-metals in these chemical environments.

GENERAL CHEMICAL RESISTANCE OVERVIEW:

Weak Acids	Excellent	Salts	Excellent
Strong Acids	Excellent	Aliphatic Solutions	Good
Weak Bases	Excellent	Halogens	Good-Fair
Strong Bases	Excellent	Strong Oxidants	Good-Fair

The LabWaste™ CPVC System has been developed for use in academic, research, and institutional laboratory chemical waste drainage applications, which is the routine disposal of a wide variety of hot and cold chemicals accompanied by water for the purpose of dilution and flushing.

Full Assortment of Drainage Pattern Fitting Configurations

Spears® broad line of LabWaste™ CPVC fittings are produced in ASTM D 3311 and other drainage patterns required in corrosive waste system installations. Standard configurations are available in nominal sizes of 1-1/2" through 24" with many specialty fittings.

NSF Certified For Corrosive Waste

Spears® LabWaste™ CPVC Corrosive Waste Drainage System of pipe, fittings, and cement is tested and certified for use in corrosive waste systems by NSF International, tested to IAPMO IGC 210 and ICC-ES AC252 for CPVC Chemical Waste Systems.

Cost Saving Solvent Weld Joining

Eliminates Troublesome Electro-Fusion and Mechanical Connections

A proven joining method reliably used for over 50 years, Solvent Cement Welding requires no special tools, no costly fusion equipment, and provides a solid, chemically bonded joint for easy installation, repairs or alterations. Most importantly, solvent cement joints end problems typical of polypropylene system installation, such as mechanical connector pullout, maintenance on elastomer sealed joints, internal fusion wire corrosion, and cumbersome fusion joining methods. Saves time, saves cost, saves worry!

ULC Flame & Smoke Rated Components

Spears® LabWaste™ system components have been evaluated as finished products for surface burning characteristics of flame spread and smoke density by Underwriters Laboratories of Canada under standard test method CAN/ULC S102.2-M88.

Product Certification (3rd Party Approval Standards)

Spears® LabWaste™ CPVC Corrosive Waste Drainage System is a complete system of pipe, fittings and solvent cement. Since specific ASTM Standards have not been developed for CPVC corrosive waste systems, Spears® LabWaste™ CPVC pipe and fittings are tested and certified for use in corrosive waste systems by NSF International as a Special Engineered (SE) product. Spears® LabWaste™ CPVC system meets the requirements of IAPMO IGC 210 and ICC-ES AC252 for CPVC Corrosive Waste Drainage Systems.