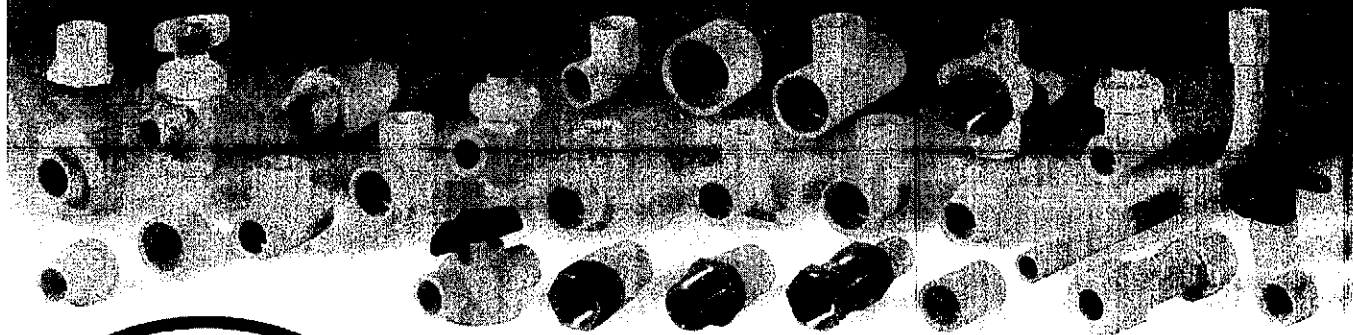


# CPVC FITTINGS

KING BROS. INDUSTRIES

# PlatinumXCELL<sup>®</sup> CPVC LINE



## KBI RELEASES FULL LINE OF PlatinumXCELL<sup>®</sup> CPVC PRESSURE FITTINGS

While domestic metal plumbing systems corrode leaving their corrosive waste for deposit into the water system, KBI's PlatinumXCELL<sup>®</sup> System components never corrode and are certified by the NSF International (NSF) for safe use in drinking water systems approved by national, state and most municipal building codes\*. KBI's CTS PlatinumXCELL<sup>®</sup> CPVC fittings and valves are ideally suited for hot and cold water distribution systems in industrial, residential and commercial structures, as well as recreational vehicles, modular and mobile homes.

### Full 1/2" Through 2" Availability

KBI's line of PlatinumXCELL<sup>®</sup> CPVC fittings and valves offers a variety of injection molded configurations in sizes 1/2" through 2".

### Exceptional Corrosion Resistance

Unlike metal systems, PlatinumXCELL<sup>®</sup> CPVC CTS fittings and valves never rust, scale, or pit, and will provide many years of maintenance-free service and extended life.

### Energy Savings

Low heat conductivity minimizes heat loss in hot water systems.

### Higher Flow Capacity

Smooth interior walls result in lower pressure loss and higher volume than conventional metal systems.

### Lower Installation Costs

Lower material costs than metallic systems, combined with lighter weight and ease of installation, can substantially reduce installation costs.

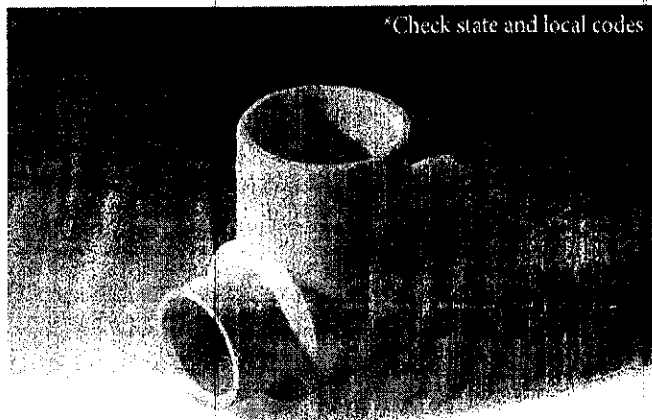
### Suitable for Commercial Hot Water

PlatinumXCELL<sup>®</sup> CPVC CTS fittings and valves can handle fluids at service temperatures up to 180°F (82°C).

### Conforms to ASTM D 2846

Specifications for Chlorinated Polyvinyl Chloride (CPVC) Plastic Hot and Cold Water Distribution Systems. Performance tested and certified by NSF.

\*Check state and local codes



### Sample Engineering Specifications

All Fittings shall be Copper-Tube-Size constructed from CPVC Type IV Cell Classification 23447. All fittings shall be certified for potable water use by the NSF International (NSF). All fittings shall be produced in strict compliance to ASTM D 2846, as manufactured by KBI's Manufacturing Company.

All thermoplastic ball valves shall be Copper-Tube-Size sealed unit type constructed from CPVC Type IV Cell Classification 23447. All O-rings shall be EPDM. All valves shall be listed for potable water service by the NSF International (NSF). All valves shall be pressure rated to 100 psi for water at 180°F, as manufactured by KBI's Manufacturing Company.

[www.kbico.com](http://www.kbico.com)

# PlatinumXCELL® CPVC LINE



KBI's transition adapters  
to surpass industry  
pressure requirements

Valves calculated from valve laying length, based on derivative of Hazen-Williams equation with surface roughness factor of C=150.

## Applications

KBI's Copper-Tube-Size (CTS) fittings are manufactured from PlatinumXCELL® chlorinated polyvinyl chloride (CPVC) for use with SDR-11 piping systems of CTS outside diameter in hot and cold water distribution systems. Check state and local codes for application and restrictions.

## Testing

Once the system has been installed and allowed to cure properly, the system shall be tested in accordance with application code requirements. When testing with water (*hydrostatic testing*), the system must be slowly filled with water and the air bled from the highest and furthest points in the system before test pressure is applied. Failure to do so can cause damage to the piping system and could be harmful to the job site personnel should failure occur. If a leak is found, the affected product must be cut out and discarded. A new section can be installed using couplings or other approved means.

## Fitting Configurations

A variety of standard, reducing, specialty and transition fitting configurations are available:

- Tees
- 45° and 90° Ells and Street Ells
- Couplings
- Male and Female Adapters
- Transition Fittings and Adapters
- Bushings

## Working Pressure

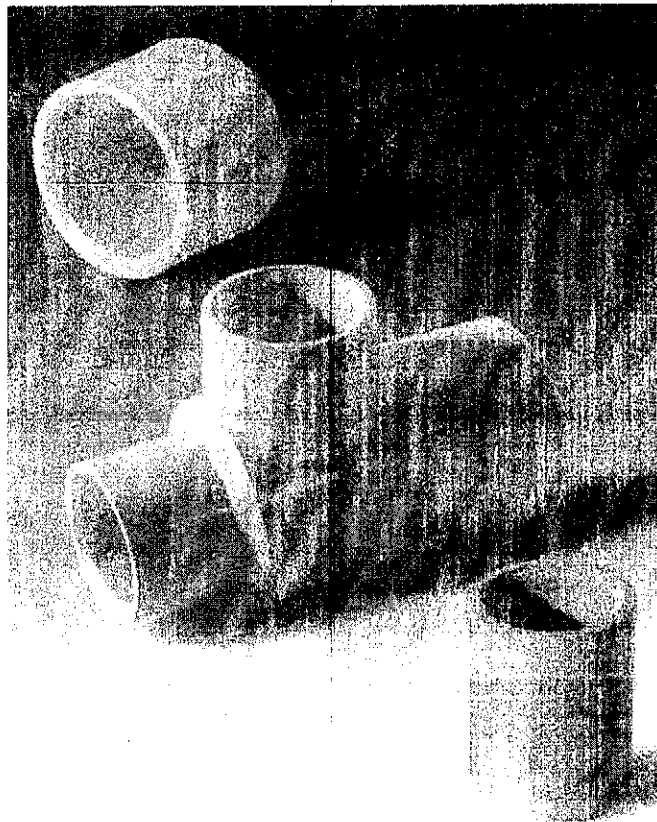
KBI's CPVC CTS fittings have continuous working pressure rating of 100 psi at 180°F, 400 psi at 73°F.

## Conformance Standards

KBI's CPVC CTS fittings conform to ASTM D 2846 Specifications for Chlorinated Polyvinyl Chloride (CPVC) Plastic Hot and Cold Water Distribution Systems.

## Product Certification

KBI's CPVC CTS fittings and Special Reinforced (SR) thread transition adapters are tested and certified by the NSF International (NSF) to ASTM D 2846 for use in Hot and Cold Water Distribution Systems, and for safe use in potable water systems under NSF Standard 14/61. KBI's CPVC CTS valves are certified under NSF Standard 61.



**WARNING: THE USE OF COMPRESSED AIR OR GASES FOR TESTING MAY RESULT IN SYSTEM DAMAGE OR SERIOUS OR FATAL BODILY INJURY.**



*Made with Pride in the U.S.A.  
The Choice of Professionals*

**King Bros. Industries**  
29101 The Old Road, Valencia, CA 91355  
800-325-9468 • Fax: 661-257-4320  
[www.kbico.com](http://www.kbico.com)