



Chemtrol®

PVC, CPVC, PP, and PVDF Piping Solutions

Chemtrol®

Chemtrol continues the tradition of excellence begun by our parent company, NIBCO INC. In its fifth generation of family leadership, NIBCO has grown from a brass foundry to eleven manufacturing centers, producing flow-control products available worldwide. NIBCO's substantial investments in Chemtrol demonstrate the company's commitment to thermoplastic valves and fittings.



Our high quality line of Chemtrol® thermoplastic valves and fittings are the reason you can count on us to fit your industrial flow-control applications.

Proven dependability.

Chemtrol flow-control products are unsurpassed in performance and longevity. With more than 70 years of experience in industrial thermoplastics, Chemtrol offers dependable products that work in the most demanding environments.

Innovative technology.

Great ideas flow from Chemtrol in PVC, CPVC, PP, and PVDF products for a wide range of flow-control applications.

Technical service and sales support.

Our technical specialists are some of the best in the business. As part of your team, they provide expert advice, solve problems, and assist you every step of the way.

Our distributors, sales professionals, and service representatives offer ideas, answer questions, and put their knowledge to work for you.

Education and training.

We help you learn about the benefits of thermoplastics through excellent programs: classes and seminars specific to your industry, presented at our manufacturing facility, or product and application-specific seminars conducted in the field. Our high-quality product and technical manuals are available on request, and a full listing of Chemtrol products is provided on our web site, www.chemtrol.com



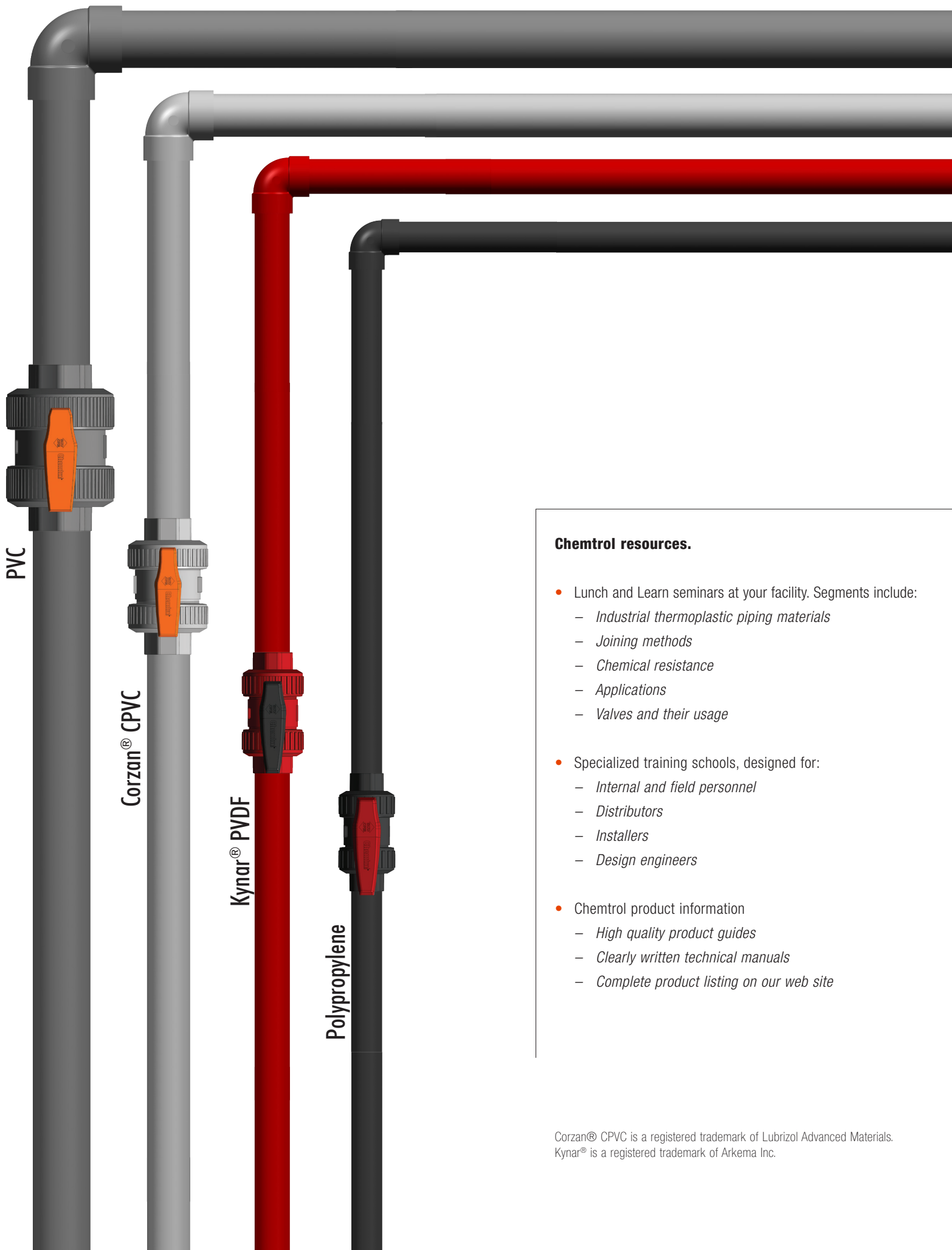
<i>Refer to Chemtrol Technical Manuals for pressure ratings at various temperatures.</i>		Polyvinyl Chloride (PVC) 	Chlorinated Polyvinyl Chloride Corzan® CPVC 
Typical Applications		Chemical processing, industrial plating, chilled water distribution, chemical drainage, and irrigation systems	Systems for hot corrosive liquids, hot and cold water distribution, chemical processing, industrial plating, deionized water lines, chemical drainage, waste water treatment systems, and similar applications above the temperature range of PVC
Joining Methods		Solvent cementing, threading or flanging	
Max. Service Temperature*		140°F/60°C	210°F/99°C
Fittings Schedule 80		Socket– 1/4" through 12" Threaded– 1/4" through 4"	Socket– 1/4" through 12" Threaded– 1/4" through 4", Van Stone flanges
Valves	Tru-Bloc®/True Union ball valves**	1/2" through 6" socket, threaded and flanged connections	1/2" through 6" socket, threaded and flanged connections
	Tru-Bloc®/True Union ball check valves	1/2" through 4" with socket, threaded or flanged ends	1/2" through 4" with socket, threaded or flanged ends
	Multiport valves	True Union 3-way/3-position; 1/2" through 2" with socket and threaded ends	True Union 3-way/3-position, 1/2" through 2" with socket and threaded ends

*For general reference only; refer to individual product specification.

**For manual, pneumatic or electric actuation.

Polypropylene (PP) 		Polyvinylidene Fluoride Kynar® (PVDF) 	
Black Polypropylene: Clean chemical processes, hot corrosive liquids, industrial plating, waste treatment systems	Chem-Pure® Natural (Unpigmented) PP: Deionized water systems, clean chemical processes, pharmaceutical operations, food processing	Red Kynar® PVDF: Protects fluid medium from UV exposure, is an excellent material for general industrial applications, especially outdoor installations	Natural Kynar® (Unpigmented) PVDF: Ideal for industries such as electronics, pharmaceuticals, and processed foods or beverages
Socket heat fusion, threading or flanging			
180°F/82°C	180°F/82°C	280°F/138°C	280°F/138°C
IPS socket type—1/2" through 4" Threaded—1/2" through 4"	IPS socket type—1/2" through 4" Threaded—1/2" through 4"	IPS socket type—1/2" through 4" Threaded—1/2" through 2"	IPS socket type—1/2" through 4" Threaded—1/2" through 2"
1/2" through 4" with socket, threaded or flanged ends	1/2" through 4" with socket ends	1/2" through 4" with socket, threaded or flanged ends	1/2" through 4" with socket, threaded or flanged ends
1/2" through 4" with socket, threaded or flanged ends	1/2" through 2" with socket ends	1/2" through 4" with socket, threaded or flanged ends	1/2" through 4" with socket, threaded or flanged ends

Corzan® CPVC is a registered trademark of Lubrizol Advanced Materials.
 Kynar® is a registered trademark of Arkema Inc.



Chemtrol resources.

- Lunch and Learn seminars at your facility. Segments include:
 - *Industrial thermoplastic piping materials*
 - *Joining methods*
 - *Chemical resistance*
 - *Applications*
 - *Valves and their usage*
- Specialized training schools, designed for:
 - *Internal and field personnel*
 - *Distributors*
 - *Installers*
 - *Design engineers*
- Chemtrol product information
 - *High quality product guides*
 - *Clearly written technical manuals*
 - *Complete product listing on our web site*

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Chemtrol® thermoplastic valves and fittings offer unique advantages over non-plastic materials.

Flexibility.

In underground installations, thermoplastic piping may be snaked in trenches to minimize the effects of expansion and contraction.

Simplicity.

Solvent cementing and socket fusion installations are much easier than traditional welding, threading or flanging.



Adaptability.

A variety of joining techniques makes thermoplastic flow control systems adaptable to any field application.

- Thermoplastic piping can be:
 - Solvent-cemented
 - Threaded
 - Heat-fused
 - Flanged

Tough material.

Thermoplastic flow control systems perform well in the harshest environments.

- Thermoplastic materials are resistant to:
 - Abrasion
 - Corrosion
 - Chemical and biological attack
 - Weather

Smooth flow/thermal retention.

Fluids flow easily, with minimal friction loss, and maintain relatively uniform temperatures.





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Chem-Pure® is a registered trademark of NIBCO INC.
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Every solution
begins with
a good idea.

We've got ideas that flow
directly to solutions for your
industrial piping applications.
Ideas that make your
installations easier and more
cost-effective. Ideas that
work, and ideas that last.
Our ideas are strengthened
by a sound foundation
for growth and a solid
commitment to service.

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For ideas that fit your
flow control applications,
call on us. We're Chemtrol,
a product line committed
to innovation, growth,
and superiority in
thermoplastics—
**ideas whose time
has come.**

