NIBCO
AHEAD OF THE FLOW

WORLD HEADQUARTERS
1516 MIDDLEBURY STREET
ELKHART, IN 46516-4740

P: 574.295.3000
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June 1, 2015

To:
Re: Chemtrol PVC and CPVC Valves and Fittings

CERTIFICATION

This is to certify that the PVC and CPVC Valves manufactured by Chemtrol, Div. of NIBCO, INC. are produced from materials conforming to the requirements set forth in ASTM Standard D 1784, Rigid PVC (Polyvinyl Chloride) Compounds and CPVC (Chlorinated Polyvinyl Chloride) Compounds. The materials, used in domestically produced Chemtrol Valves, exceed the rigid requirements set forth for cell classes 12454, formerly designated Type 1, Grade 1 (PVC) and 23447, formerly designated Type IV, Grade 1 (CPVC). These are the respective materials stipulated for use in pipes which merit the highest Hydrostatic Design Stress rating (2000 psi) and the maximum corrosion resistance.

The flanges attached to all Chemtrol flanged valves meet the outside diameter and bolt hole dimensional requirements of ANSI B16.5 for 150 lb. Steel Pipe Flanges.

All PVC and CPVC Chemtrol Valves are listed by the NSF International to NSF/ANSI Standard 14: Plastics Piping System Components and Related Materials. This independent third-party agency certifies that products and materials bearing the 'NSF-pw' marking are regularly tested to comply with ASTM F 1970 Standard Specification for Special Engineered Fittings, Appurtenances or Valves for use in Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Systems, as well as, certifying these products conform to the requirements of NSF/ANSI Standard 61: Drinking Water System Components—Health Effects. These valves conform to MSS SP-122 Industrial Plastic Valves.

Chemtrol Ball and Ball-Check Valves are 100% pressure tested for shell and seat leaks in accordance with quality standards established by NIBCO Engineering. The testing procedure consists of a 60 PSIG air test for 10 seconds against each seat and 10 second shell test. The rejection point is a leak greater than 60 cc per minute.

All True Union-Tru-Bloc Ball Valves, True Union Check Valves, Model-B Butterfly Valves, Chemcock Valve, Needle Valve, Angle and Y-Pattern Valves are manufactured and assembled silicone free. Lubricants are occasionally used to assemble these valves, but these lubricants contain no silicone.

Chemtrol Model-C Butterfly Valves are assembled using a lubricant containing silicone.

NIBCO 4500 series Schedule 80 PVC pressure rated fittings are manufactured from ANSI/NSF 61-compliant material in accordance with ASTM D 2467, *Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings Schedule 80*, and NSF/ANSI 14, *Plastics Piping System Components and Related Materials.**

- Manufactured in Charlestown, Indiana, USA

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NIBCO 5100 series Schedule 80 CPVC fittings are manufactured from ANSI/NSF 61-compliant material in accordance with ASTM F 439, Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80, and NSF/ANSI 14, Plastics Piping System Components and Related Materials.

NIBCO 5100 series SCH80 CPVC fittings of nominal diameters ½" to less than 2" meet Low Flame Spread requirements of the U.S. Coast Guard FTP Code Annex 1, Part 5 only. CPVC fittings of nominal diameters 2" to 8" meet the low Flame Spread, and Smoke and Toxicity requirements of U.S. Coast Guard FTP Code Annex 1, parts 2 and 5.

NIBCO 5100 series SCH80 CPVC fittings of nominal diameters ¼" to 12" have Product Type Approval from the American Bureau of Shipping.

- Manufactured in Charlestown, Indiana, USA

All NIBCO 5100 series fittings included in the following chart are manufactured using Corzan resin exclusively:

Fitting	Range
Coupling	¼"-10"
90 Elbow	¼"-8"
45 Elbow	¼"-8"
Tee	¼"-8"
One-piece Flange	¼"-8"
Van Stone Flange	3"-8"
Bushing	½"x¼" to 12"x10"
Cap	¼"-6"
Plug	¼"-4"
Adapter (male & female)	¼"-4"
Union	½"-3"

The above referenced products are produced in accordance with a quality control program conforming to ISO 9001:2008.

This is to further certify that the manufacture of these products does not contain any process where Mercury is used, nor do the finished materials contain mercury, PCB's or asbestos.

I declare that all statements made and all information contained herein are true and accurate.

NIBCO Inc.,

Greg Baumann
Technical Services Advisor

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