



# HIGH PURITY TECHNOLOGY, INC.

50 PERSHING AVENUE \* P.O. BOX 870

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## PROCESS SPECIFICATION

### HPT- 400

### CLEAN "PVC/CPVC" FOR D/I SERVICE

#### 1.0 SCOPE:

- 1.1 This specification describes the PVC/CPVC cleaning procedure used at "High Purity Technology Inc." for the cleaning of pipe, fittings and valves for D/I service.

#### 2.0 PROCEDURE:

- 2.1 Rinse components with water to remove particles, soil, dirt and grime.
- 2.2 Soak or flush component with a detergent/deionized water solution for a minimum of five minutes. Scrub and clean component interior with a soft nylon brush. Use nitrogen to blow brushes through pipe. The standard detergent solution is "Triton x 100" at 0.01 percent.
- 2.3 Inspect component for smooth clean interior.
- 2.4 Rinse component with clean deionized water while rotating or otherwise agitating component. Rinse through stages, monitoring D/I sensitivity for a minimum of 10 megohm resistance.
- 2.5 Nitrogen wad or wipe with lint-free Kleenwipe to remove excess water. Inspect Kleenwipe for cleanliness.
- 2.6 Purge/dry component using filtered nitrogen from a cryogenic source.
- 2.7 Final quality process inspection of component incorporates the use of a 3200-3800A wavelength black light in a non-lit area. Inspect component and dry Kleenwipes for any smudges/traces of fluorescent smears. Re-clean if fluorescing appears.
- 2.8 While under purge, apply protective caps to pipe ends or otherwise place component in a clean 6 mil polyethylene sleeve and heat seal.

(End)