

Summary of Modifications/Changes in this Update

This Summary of Changes is for information only.
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U.S. Department of Veterans Affairs ♦ Office of Construction & Facilities Management

DATE OF THIS VERSION (new)

September 1, 2015

TITLE OF DOCUMENT (new title if applicable):

Water Softeners, 22 31 11

DATE OF VERSION BEING SUPERSEDED (old):

January 1, 2014

DESCRIPTION OF DOCUMENT (previous title, number, other identifying data):

Water Softeners, 22 31 11

SUMMARY OF CHANGES IN THIS VERSION:

1. 1.2 - Updated specification sections with related work.
2. 1.3 - Revised applicable publications to their latest versions.
3. 1.4 - Added wiring diagram for controlsto list of submittals required.
4. 1.5 – Added Bio-Based Materials.
5. 1.6 - Added elements to test for in water samples and USEPA Certified Testing Laboratory.
6. 1.7 - Added As-Built Documentation.
7. 2.2.A – Added compliance with UL 979.
8. 2.2 B.1 - Revised hadness test to use hardness test strips.
9. 2.2 C.1 - Added steel tank requirements.
10. 2.2 C.2. - Added ASME requirement for reinforced plastic pressure vessels.
11. 2.3 A. - Added Schedule 80 PVC and stainless steel piping for softner piping.
12. 2.7 - Added reduced pressure to backflow preventor and requirements of ICC IPC, ASSE 1013, and AWWA C511.
13. 2.8 - Deleted brine recovery.
14. 2.9.A – Added requirement for hardness test stips.
15. 3.3.B.2 - Added test report indicating hardness is at acceptable levels.

