

Attention Plumbers: Water Treatment Systems

12/12/19

Water treatment systems must be installed under a permit by a licensed plumber. The drain for the backwash line must be installed with an approved air gap, trap and vent. The backwash line must drain to a trapped standpipe with an air gap fitting (see example 1). The trapped stand pipe must be a minimum of 18 inches tall and the trap must connect to the building's vent or to an approved air admittance valve. If the water treatment system is installed in a basement, the drain line must be protected with a backwater valve that is listed under ASME A112.14.1 (see example 2). Only DIR water softeners may discharge to a conventional on site wastewater treatment and disposal system's septic tank and requires a formal waiver from The Department of Natural Resources and Environmental Controls Groundwater Discharges Section (GWDS). Contact the GWDS at 302-739-9948.



Example 1



Example 2