

1 inch electronic control valve differences

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(replaces Nov. 2006)

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<p>Time clock control valve can be set to perform downflow regeneration or simply backwash.</p> <p>Two calendar options for regeneration frequency: ~ an option where the user can choose the number of days (1-99) between regeneration. ~ a seven day option where the user can choose which day(s) of the week a regeneration should occur.</p> <p>Ten selectable "PRE-PROGRAMMED" regeneration cycles: ~ SOFTENERS - six different programs available utilizing up to 6 steps in the regeneration cycle; one or two backwashes occur and refill always occurs after the rinse cycle... 1. 1st backwash (upflow) 2. regenerant draw / slow rinse (downflow) 3. 2nd backwash (upflow) 4. fast rinse (downflow) 5. regenerant refill / dissolve (in service with treated water) 6. service (downflow)</p> <p>~REGENERATIVE FILTERS - one program available; only one backwash occurs and refill always occurs after the rinse cycle.</p> <p>~BACKWASHING ONLY FILTERS - three programs available; only one backwash occurs.</p>	<p>When manufactured as a softener, this control valve can be ORDERED to perform downflow or upflow regeneration. When set up as a filter, this control valve can be set to perform downflow regeneration or simply backwash.</p> <p>Three modes of operation: ~ meter immediate ~ meter delayed ~ time clock delayed Meter volume range 20 to 50,000 gals. Meter totalizer 1000 to 9,999,000 gals.</p> <p>Thirty six selectable "PRE-PROGRAMMED" regeneration cycles: ~SOFTENERS - twelve programs available for downflow regeneration utilizing up to 6 steps in the downflow regeneration cycle; regenerant refill after rinse or regenerant prefill; normal or longer backwash times... downflow regenerant refill after rinse 1. 1st backwash (upflow) 2. regenerant draw / slow rinse (downflow) 3. 2nd backwash (upflow) 4. fast rinse (downflow) 5. regenerant refill / dissolve (in service with treated water) 6. service (downflow)</p> <p>downflow regenerant prefill 1. regenerant fill / dissolve (in service with treated water) 2. 1st backwash (upflow) 3. regenerant draw / slow rinse (downflow) 4. 2nd backwash (upflow) 5. fast rinse (downflow) 6. service (downflow)</p> <p>~SOFTENERS... twelve programs available for "special construction" upflow regeneration (special piston required) utilizing up to 5 steps in the upflow regeneration cycle; regenerant refill after rinse or regenerant prefill; normal or longer backwash times... upflow regenerant refill after rinse 1. regenerant fill / dissolve (in service with treated water) 2. regenerant draw / slow rinse (upflow) 3. backwash (upflow) 4. fast rinse (downflow) 5. service (downflow)</p> <p>~REGENERATIVE FILTERS - eight programs available for downflow regeneration utilizing up to 6 steps in the downflow regeneration cycle; regenerant refill after rinse or regenerant prefill; single or double backwash; normal or longer backwash times.</p> <p>~BACKWASHING ONLY FILTERS - four programs available utilizing up to 5 cycle steps; single or double backwash (2nd fast rinse occurs only if 2nd backwash is selected); normal or longer backwash times.</p>	<p>When manufactured as a softener, this control valve can be ORDERED to perform downflow or upflow regeneration. When set up as a filter, this control valve can be set to perform downflow regeneration or simply backwash.</p> <p>Three modes of operation: ~ meter immediate ~ meter delayed ~ time clock delayed Meter volume range 20 to 250,000 gals. Meter totalizer 1000 to 9,999,000 gals.</p> <p>UNIQUE design and electronics allow "FULLY PROGRAMMABLE" regeneration cycle sequences and cycle times. Up to 9 steps in the regeneration cycles can be chosen, in any order, with a wide range of available values... backwash (upflow) 1 to 120 minutes fast rinse (downflow) 1 to 120 minutes pause (downflow service) 1 to 480 minutes regenerant draw / slow rinse (downflow) 1 to 180 minutes regenerant draw / slow rinse (upflow) 1 to 180 minutes softener "pre or post" regenerant refill / dissolve (in service with treated water) 0.1 to 200 pounds filter "pre or post" regenerant refill (in service with treated water) 0.1 to 20 gals.</p> <p>Upflow regeneration is "special construction" (special piston required). An example showing the advantage of the "FULLY PROGRAMMABLE" design: low yield well program allowing the unit to backwash and then pause for the necessary amount of time to allow the well to recover before continuing the regeneration cycle.</p>
<p>All values are permanently stored in a nonvolatile memory. If power goes out, only the time of day needs to be reset.</p>	<p>Coin cell lithium battery back-up with an 8 hour carry over; allows the control valve to remember all settings for up to 8 hours if the power goes out and the battery is not depleted. After 8 hours, the only item that needs to be reset is the time of day; other values are permanently stored in a nonvolatile memory. If a power loss lasts less than 8 hours and the time flashes on and off, the time of day should be reset and the non rechargeable battery should be replaced.</p>	<p>Coin cell lithium battery back-up with an 8 hour carry over; allows the control valve to remember all settings for up to 8 hours if the power goes out and the battery is not depleted. After 8 hours, the only item that needs to be reset is the time of day; other values are permanently stored in a nonvolatile memory. If a power loss lasts less than 8 hours and the time flashes on and off, the time of day should be reset and the non rechargeable battery should be replaced.</p> <p>"LOW SALT" display warning option.</p>