



1" & 1-1/4" Control Valve

Time Clock Programming Guide

General Operation

When the system is operating one of two displays will be shown: time of day or days until the next regeneration. Pressing \blacktriangle or \checkmark button will toggle between the two choices.



Manual Regeneration

NOTE: For softeners, if brine tank does not contain salt, fill with salt and wait at least 2 hours before regeneration.

If you need to initiate a manual regeneration, either immediately, or tonight at the pre-programmed time (typically 2 a.m.), complete the following steps.



arrow points to Regen).

SET

ByPass Operation

To shut off water to the system, please position arrow handles as shown in the bypass operation diagram below. If your valve doesn't look like the diagram below, contact your service technician for instructions on how to shut off water.



Error Codes

If the display shows "E1," "E2", "E3", or "E4" (for error), call a service technician

Regen Min. Fill Regen Time		Time PM Days To Regen		
	SET	\triangle	\bigtriangledown]

To Set Time Of Day

In the event of a prolonged power outage, time of day flashes, indicating that it needs to be reset. All other information will be stored in memory no matter how long the power outage. Please complete the steps as



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PM Days To

PM Days To

PM Days To

3 sec

Λ SET

SET

SET Λ

Regen Min. Fi Regen

Regen Min. Fil Regen Time

Regen Min. Fill

Reger Time

SET

shown to the right. To access this mode, press "SET."

- 1. Accessed by pressing **SET** for approximately 3 seconds.
- 2. Adjust hour with \blacktriangle or ∇ . With 60 Hz line frequency detection on power-up, timekeeping is 12 hour with PM indicator. With 50 Hz line frequency detection on powerup, timekeeping is 24 hour without the PM indicator. Press SET to go to the next step.
- 3. Adjust minutes with \blacktriangle or $\mathbf{\nabla}$.
- 4. Press SET to complete and return to normal operation.

Set Time of Regen & Days Between Regen

For initial set-up or to make adjustments, please complete the steps as shown.

Access this mode by pressing **SET** \blacktriangle and \checkmark for approximately 3 seconds. The number of days between regenerations may need to be varied based on usage and water conditions. (This step will not appear if the 7-day clock option is selected.)

- 1. Accessed by pressing SET and simultaneously for about 3 seconds
- 2. Set Regeneration Time Hour. Set the time for regeneration to start. Press **SET** to go to the next step.
- 3. Set Regeneration Time Minutes. Press SET to go to the next step.
- 4. Set number of Days between regeneration cycles.
- 5. Press **SET** to complete and return to normal operation.

C-Series 1" & 1-1/4" Time Clock Manual

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Control Valve Function and Cycles of Operation

This glass filled Noryl¹ (or equivalent) fully automatic control valve is designed as the primary control center to direct and regulate all cycles of a downflow regeneration water softener or filter.

The time clock control valve can be set to perform downflow regeneration or simply backwash. The time clock control valve has two calendar options for regeneration frequency:

- 1. An option where the user can choose the number of days (1-99) between each regeneration; and
- 2. A seven-day option where the user can choose which day(s) of the week a regeneration should occur.

The control valve is compatible with a variety of regenerants and resin cleaners. The control valve is capable of routing the flow of water in the necessary paths to regenerate or backwash water treatment systems. The injector regulates the flow of brine or other regenerants. The control valve regulates the flow rates for backwashing, rinsing, and the replenishing of treated water into a regenerant tank, when applicable.

The control valve uses no traditional fasteners (e.g. screws); instead clips, threaded caps and nuts and snap type latches are used. Caps and nuts only need to be firmly hand tightened because radial seals are used. Tools required to service the valve include one small blade screw driver, one large blade screw driver, pliers and a pair of hands. A plastic wrench is available which eliminates the need for screwdrivers and pliers. Disassembly for servicing takes much less time than comparable products currently on the market. Control valve installation is made easy because the distributor tube can be cut $\frac{1}{2}$ " above to $\frac{1}{2}$ " below the top of tank thread. The distributor tube is held in place by an o-ring seal and the control valve also has a bayonet lock feature for upper distributor baskets.

The AC adapter comes with a 15 foot power cord and is designed for use with the control valve. The AC adapter is for dry location use only. The control valve maintains timekeeping 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; valve status and programming are permanently stored in the 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. Table 1 shows the time for the backwash, regenerative, and rinse cycles for the ten available programming options. Six different programs are available for a softener, one for a regenerative filter, and three programs for backwash only filters. When the control valve is used as a:

- Softener one or two backwashes occur and refill always occurs after the rinse cycle (P0 through P5)
- *Regenerative Filter* one backwash occurs and refill always occurs after the rinse cycle (P6)
- *Backwashing Filter* one backwash occurs (P7 through P9)

Table 1

Regeneration Cycles & Times for Different Programs All Times in Minutes					
Program	C1 1st BW	C2 Regen	C3 2nd BW	C4 Rinse	C5 Fill
PO	3	50	3	3	1-99
P1	8	50	8	4	1-99
P2	8	70	10	6	1-99
P3	12	70	12	8	1-99
P4	10	50	Skipped	8	1-99
P5	4	50	Skipped	4	1-99
P6	12	6	Skipped	12	1-99
P7	6	Skipped	Skipped	4	Skipped
P8	10	Skipped	Skipped	6	Skipped
P9	14	Skipped	Skipped	8	Skipped

- **NOTE:** During regeneration the display will show C1, C2, etc. If the cycle is skipped, that cycle number will not be displayed.
- The user can initiate manual regeneration. The user has the option to request the manual regeneration at the delayed regeneration time or to have the regeneration occur immediately. Simultaneously press ▲ and ▼ to start a regeneration at the next delayed regeneration time. If a regeneration is to occur "today" an arrow will point to REGEN. For immediate regeneration, simultaneously press and hold ▲ and ▼ for three seconds.

When in regeneration, step through the different regeneration cycles by pressing \blacktriangle or \blacksquare .

¹ Noryl is a trademark of Sabic Innovative Plastics IP B.V. Company

General Programming Instructions

The control valve offers multiple procedures that allow the valve to be modified to suit the needs of the installation. These procedures are:

- System Setup
- Installer Displays & Settings (either 1-99 Days Between Regeneration option or 7-Day option)
- User Displays

These procedures can be accessed in any order. Details on each of the procedures are provided below and on the following pages.

When in operation, normal user displays show the time of day or days remaining before regeneration. When stepping

System Setup

STEP 1SS

From normal mode, press **SET** + \blacktriangle buttons simultaneously for 3 seconds and release. Then press **SET** + \blacktriangle simultaneously for 3 seconds and release.



STEP 2SS

Choose the desired program by pressing \blacktriangle or \blacktriangledown . Prior to selecting a program, verify the correct valve body, main piston, regenerant piston, and stack are



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being used, and that the injector or injector plug(s) are in the correct locations.

Regen Min. Fill Regen Time

SET

Press SET button to go to Step 3SS.

STEP 3SS

If program P0 through P6 (*Table 1*) was selected, enter in the minutes of fill using \blacktriangle or \blacktriangledown . The allowable values vary from a low of 1 to a high of 99. If program

P7, P8 or P9 was selected, this screen will not appear.

Press SET button to go to Step 4SS.

NOTE: For each minute of fill 0.5 gallons of water is added to the solution tank. With Sodium Chloride, each 0.5 gallon of water will dissolve 1.5 pounds of salt.

through a procedure, if no buttons are pressed within five minutes the display returns to a normal user display. Any changes made prior to the five minute time out are incorporated.

To quickly exit Installer Displays & Settings or Setup, simultaneously press $SET + \mathbf{\nabla}$. Any changes made prior to the exit are incorporated.

To re-initialize the control valve, check to make sure the valve is in the User Display. Then simultaneously press **SET** $+ \mathbf{\nabla}$ or unplug power source plug (4-pin connector) on the circuit board, wait 3 seconds and plug back in.

STEP 4SS

Use \blacktriangle or \blacksquare to switch between:

• 1-99 Days Between Regeneration - Regeneration is determined by the number of days that have passed since the last regeneration scheduled.



• 7-Day - Regeneration is scheduled for specifi c days of the week.

Press **SET** to go to Step 5SS.

STEP 5SS

If a differential pressure switch is installed and actuated for 2 minutes:

- a regeneration will occur immediately if no arrow points at Regen Time; or
- a regeneration will occur at the delayed regeneration hour if an arrow points at Regen Time.

Use \blacktriangle or \blacksquare to switch between

the two choices. If a differential switch is not installed the settings in this display are ignored. Press **SET** to exit system setup.

See Photo A next page.



Tlme

PM Days To Regen

System Setup



Installer Displays & Settings (1-99 Days Between Regeneration Option)

STEP 1ID

From normal mode, press **SET** + ▲ buttons simultaneously for 3 seconds and release.



STEP 3ID

Regeneration Time Minutes: Set the time for regeneration to start using \blacktriangle or \blacktriangledown . Press SET to go to the next step.



STEP 2ID

Regeneration Time Hour: Set the time for regeneration to start using $\triangle \text{or} \mathbf{\nabla}$. Press **SET** to go to the next step.



STEP 4ID

Days to Regen: Set the number of days between regenerations. The allowable range is 1 to 99. Press **SET** to exit Installer Displays and Settings.



Installer Displays & Settings (7 Day Option)

Regen Min, Fill

Regen Time

Regen MIn. FIII Regen TIme SET

SET

STEP 117

From normal mode, press SET $+ \blacktriangle$ simultaneously for 3 seconds and release.



2:00

2:00

TIme PM Days To Regen

TIme PM Days To Regen



Regeneration Time Hour: Set the time for regeneration to start using \triangle or $\mathbf{\nabla}$. Press **SET** to go to Step 317.

STEP 317

Regeneration Time Minutes: Set the time for regeneration to start using \blacktriangle or \blacktriangledown . Press **SET** to go to Step 417.

STEP 417

Current Day of Week: Set the current day of the week by using ▲or▼ (See chart at right for date codes). Press **SET** to go to STEP 5I7.



Display		Day of Week		
Day 1	D1	Sunday		
Day 2	D2	Monday		
Day 3	D3	Tuesday		
Day 4	D4	Wednesday		
Day 5	D5	Thursday		
Day 6	D6	Friday		
Day 7	D7	Saturday		

Regen Min. Fill

Regen Time

Regen Min. Fill

Regen Time

SET

SET

STEP 517

Sunday Regeneration: To regenerate on Sunday use ▲ or ▼ until the arrow points to Regen. If the arrow does not

point to **Regen** a regeneration will not occur on Sunday. Press **SET** to go to STEP 617.

STEP 617

Monday Regeneration: To regenerate on Monday use ▲or▼ until the arrow points to Regen. If the arrow does not

point to **Regen** a regeneration will not occur on Monday. Press **SET** to go to STEP 717.



Tuesday Regeneration: To regenerate on Tuesday use ▲ or ▼ until the arrow points

to **Regen**. If the arrow does not point to **Regen** a regeneration will not occur on Tuesday.

Press **SET** to go to STEP 817.

STEP 817

Wednesday Regeneration: To regenerate on Wednesday use ▲or▼ until the arrow points to **Regen**. If the arrow



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SET

Regen Min, Fil

Regen Time Time PM Days To

EЪ

does not point to **Regen** a regeneration will not occur on Wednesday. Press **SET** to go to STEP 917.

STEP 917

Thursday Regeneration: To regenerate on Thursday use ▲or▼ until the arrow points to **Regen**. If the arrow does not



point to **Regen** a regeneration will not occur on Thursday. Press **SET** to go to STEP 1017.

STEP 1017

Friday Regeneration: To regenerate on Friday use \blacktriangle or \blacksquare until the arrow points to **Regen**. If the arrow does not point to



Regen a regeneration will not occur on Friday. Press **SET** to go to STEP 1117.

STEP 1117

Tlme

PM Days To Regen

Time PM Days To

d

d2

Saturday Regeneration: Saturday Regeneration: To regenerate on Saturday use



▲or▼ until the arrow points to **Regen**. If the arrow does not

point to **Regen** a regeneration will not occur on Saturday. Press SET to exit Installer Displays & Settings.

NOTE: If all arrows are turned off in **d1-d7**, the program will default to **d7**.





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User Displays

General Operation

When the system is operating one of two displays will be shown. Pressing \blacktriangle or \blacktriangledown will alternate between the displays. One of the displays is always the current time of day. The second display is the days remaining until the next regeneration. If the days remaining is equal to one, a regeneration will occur at the next preset regeneration time. The user can scroll between displays as desired.



If the system has called for a regeneration that will occur at the preset time of regeneration, the arrow will point to **Regen**.

Regeneration Mode

Typically a system is set to regenerate at a time of low water usage. An example of a time with low water usage is when a



household is asleep. If there is a demand for water when the system is regenerating, untreated water will be used.

When the system begins to regenerate, the display will change to the Regeneration Cycle Display to indicate the current regen cycle step and time remaining. An arrow will also point to Regen. The system will run through the steps automatically and will reset itself to provide treated water when the regeneration is completed.

Error Codes

If the display shows "E1," "E2", "E3", or "E4" (for error), call a service technician.



Power Loss

Only the current time of day will need to be reset if power is lost for greater than 8 hours. If power is lost while the system is regenerating, the control will complete regeneration at the point of interruption once power is restored.

Manual Regeneration

Sometimes there is a need to regenerate the system sooner than when the system calls for it, usually referred to as a manual regeneration. There may be a period of heavy water usage



because of guests or a heavy laundry day.

To initiate a manual regeneration at the preset delayed regeneration time, simultaneously press \blacktriangle and \checkmark and release. The arrow will point to the word Regen if a regeneration is expected "tonight." To cancel the regeneration simultaneously press \blacktriangle and \checkmark and release.

To initiate a manual regeneration immediately, simultaneously press \blacktriangle and \triangledown for three seconds. The system will begin to regenerate immediately. The request cannot be cancelled.

Note: For softeners, if brine tank does not contain salt, fill with salt and wait at least two hours before regenerating.

To Set Time Of Day

In the event of a prolonged power outage, time of day flashes, indicating that it needs to be reset. All other information will be stored in memory no matter how long the power outage. Please complete the steps as



shown to the right. To access this mode, press "SET."

- 1. Accessed by pressing SET for approximately 3 seconds.
- Adjust hour with ▲or▼. With 60 Hz line frequency detection on power-up, timekeeping is 12 hour with PM indicator. With 50 Hz line frequency detection on powerup, timekeeping is 24 hour without the PM indicator. Press SET to go to the next step.
- 3. Adjust minutes with \blacktriangle or \blacktriangledown .
- 4. Press SET to complete and return to normal operation.

Front Cover and Drive Assembly



C-Series 1" & 1-1/4" Time Clock Manual

Drive Cap Assembly, Downflow Piston, Regenerant Piston & Spacer Stack Assembly

Part No. Description Oty C13430 Spacer Stack Assembly 1 C13040 Drive Cap ASY 1 C13174 Regenerant Piston 1 C13355 O-ring 327 1 C13174 C13357 O-ring 218 (Dist. Tube Opening 1.32') 1 C13100 O-ring 237 C13020-01 1.25 Mixing Valve Body Downflow Assy (Distributor Tube Opening 1.32') 1 C13001-02 Moring Valve Body ASY 1 C13020-02 1.25 Mixing Valve Body Downflow Assy (Distributor Tube Opening 32mm) C13005 C13001-02 Mixing Valve Body Downflow Assy (Distributor Tube Opening 32mm) C13005 C13005 C13007 Grey Plug C13020-02 1.25 Mixing Valve Body Downflow Assy (Distributor Tube Opening 32mm) C13178 Grey Plug Grey Plug Grey Plug	1-1/4" Control Valve Part Numbers			1" Control Valve Part Numbers				
CL3430 Spacer Stack Assembly 1 CL3004 Drive Cap ASY 1 CL3078 Drive Cap ASY Plate 1 CL3178 Drive Back Plate 1 CL3174 Regenerant Piston 1 CL3175 Drive Back Plate 1 CL3174 Regenerant Piston 1 CL3175 Drive Back Plate 1 CL3174 Regenerant Piston 1 CL3350 O-ring 228 1 CL3350 O-ring 228 1 CL3350 O-ring 215 (Distributer Tube) 1 CL3350 O-ring 215 (Distributer Tube) 1 CL3020 Distributor Tube Opening 1.32") 1 CL3020-01 1.25 Mixing Valve Body Downflow Assy (Distributor Tube Opening 32mm) 1.25 Mixing Valve Body Downflow Assy (Distributor Tube Opening 32mm) CL3020-02 1.25 Mixing Valve Body Downflow Assy (Distributor Tube Opening 32mm) CL3017 CL3020-03 1.25 Mixing Valve Body Downflow Assy (Distributor Tube Opening 32mm) CL3016 1.1/4" Control Valve Part Numbers CL3010 CL3010 1.1/4" Control Valve Part Numbers CL3010 CL3010	Part No.	Description	Qty		Part No.	Description	Qty	
CL3004 Drive Cap ASY 1 CL3078 Drive Back Plate 1 CL3178 Drive Back Plate 1 CL3178 Drive Back Plate 1 CL3174 Regenerant Piston 1 CL3174 Regenerant Piston 1 CL3135 O -ring 228 1 CL3135 O -ring 219 (Dist. Tube Opening 1.32") CL3020 O1 Distributor Tube Opening 1.32") CL3020 O2 Distributor Tube Opening 1.32") CL3020 O2 Distributor Tube Opening 3.2mm) CL3020 O2 Distributor Tube Opening 3.2mm) CL300 O2 Distributor Distributor Distributor Tube Opening 3.2mm) CL300 O2 Distributor Dist	CL3430	Spacer Stack Assembly	1		CL3005	1" Spacer Stack Assembly	1	
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Not Shown Eddy ASY Downflow 1 CL3020 Body ASY Downflow 1 Distributor Tube Opening 1.32") 1.25 Mixing Valve Body Downflow Assy Mixing Valve Body ASY CL3020-02 1.25 Mixing Valve Body Downflow Assy Distributor Tube Opening 32mm) CL3020-03 1.25 Mixing Valve Body Downflow Assy Distributor Tube Opening 32mm) CL3020-03 1.25 Mixing Valve Body Downflow Assy Distributor Tube Opening 32mm) CL3020-03 1.25 Mixing Valve Body Downflow Assy Distributor Tube Opening 32mm) CL3020-03 1.25 Mixing Valve Body Downflow Assy Distributor Tube Opening 32mm) CL3020-03 1.25 Mixing Valve Body Downflow Assy CL3105 Mote: The regenerant piston is not used in backwash orl used orl used in backwash orl usetwash orl usetwash orl used in backwash orl usetwash orl usetwash	CL3357	O-ring 218 (Dist. Tube Opening 32mm)			Not Shown			
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CL3020-01 I.25 Mixing Valve Body Downflow Assy (Distributor Tube Opening 1.32") 1.25 Mixing Valve Body Downflow (Distributor Tube Opening 32mm) CL3020-03 I.25 Mixing Valve Body Downflow Assy (Distributor Tube Opening 32mm) I " Control Valve Part Numbers I -1/4" Control Valve Part Numbers I -1/4" Control Valve Part Numbers Applies to Both Size Control Valves CL3005 CL304 Note: The regenerant piston is not used in backwash only applications. CL3011 CL3011 CL3015 CL304 * Only for valves that have a 32mm Distributor Tube Opening	CI 3020	Body ASY Downflow			CL3001-02	Mixing Valve Body ASY		
CL3020-01 1.25 Mixing Valve Body Downflow Assy (Distributor Tube Opening 1.32") 1.25 Body Assy Downflow (Distributor Tube Opening 32mm) CL3020-03 1.25 Mixing Valve Body Downflow Assy (Distributor Tube Opening 32mm) 1.25 Mixing Valve Body Downflow Assy (Distributor Tube Opening 32mm) 1.26 Mixing Valve Body Downflow Assy (Distributor Tube Opening 32mm) 1.27 Control Valve Part Numbers 1-1/4" Control Valve Part Numbers Applies to Both Size Control Valves CL3005 CL3005 CL304 CL3174 CL3176 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3	0L30Z0	(Distributor Tube Opening 1.32")						
CL3020-02 (Distributor Tube Opening 1.32") 1.25 Body Assy Downflow (Distributor Tube Opening 32mm) 1.25 Mixing Valve Body Downflow Assy (Distributor Tube Opening 32mm) 1.25 Mixing Valve Part Numbers Applies to Both Size Control Valves CL3005 CL3400 CL3010 CL3011 CL3011 CL3010 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3058 CL3105 CL3058 CL3057 CL3004 *Only for valves that have a a 32mm Distributor Tube Opening	CI 3020-01	1.25 Mixing Valve Body Downflow A	Assy			Plack Dive		
CL3020-02 1.25 Body Assy Downflow (Distributor Tube Opening 32mm) CL3020-03 1.25 Mixing Valve Body Downflow Assy (Distributor Tube Opening 32mm) 1" Control Valve Part Numbers CL3178 1-1/4" Control Valve Part Numbers CL3178 Applies to Both Size Control Valves CL3005 CL3430 CL3105 CL3010 CL3011 CL3011 CL3015 CL3105 CL3180 CL3105 CL3135 CL3105 CL3180 CL3105 CL3180 CL3105 CL3358 CL3105 CL3358 CL3105 CL3358	013020-01	(Distributor Tube Opening 1.32")			Black Plug			
(Distributor Tube Opening 32mm) 1.25 Mixing Valve Body Downflow Assy (Distributor Tube Opening 32mm) 1" Control Valve Part Numbers 1-1/4" Control Valve Part Numbers Applies to Both Size Control Valves CL3005 CL3005 CL3430 Note: The regenerant piston is not used in backwash only applications. CL3011 CL3011 CL3013 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL305 CL305 CL305 CL305 C	CI 3020-02	1.25 Body Assy Downflow			Grey Plug			
CL3020-03 1.25 Mixing Valve Body Downflow Assy (Distributor Tube Opening 32mm) 1" Control Valve Part Numbers Applies to Both Size Control Valves CL3005 CL3005 CL3430 Vote: The regenerant piston is not used in backwash only applications. CL3011 CL3011 CL3010 CL3010 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105	013020-02	(Distributor Tube Opening 32mm)						
1" Control Valve Part Numbers 1-1/4" Control Valve Part Numbers Applies to Both Size Control Valves CL3005 CL3005 CL3430 Note: The regenerant piston is not used in backwash only applications. CL3011 CL3011 CL3010 CL3010 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL305 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL3015 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 C	CI 3020-03	1.25 Mixing Valve Body Downflow A	Assy					
1" Control Valve Part Numbers 1-1/4" Control Valve Part Numbers Applies to Both Size Control Valves CL3005 CL3430 Vote: The regenerant piston is not used in backwash only applications. CL3011 CL3011 CL3017 CL3011 CL3017 CL3011 CL3017 CL3015 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL305 CL30	010020 00	(Distributor Tube Opening 32mm)			ЦĶ			
Note: The regenerant piston is not used in backwash only applications. CL301 CL301 CL301 CL301 CL301 CL301 CL301 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3105 CL3004 *Only for valves that have a 32mn Distributor Tube Opening	1" Contr 1-1/4" C Applies	rol Valve Part Numbers control Valve Part Numbers to Both Size Control Valves		CL3	3178			
CL3105 CL3004 *Only for valves that have a 32mm Distributor Tube Opening	Note: The regeneration not used only app	Note: The regenerant piston is not used in backwash only applications.						
CL3004 *Only for valves that have a 32mm Distributor Tube Opening	CL3105 CL3135 CL315 CL315 CL315 CL315 CL315 CL315 CL315 CL315 CL315 CL315 CL315 CL315 CL315 CL315 CL315 CL35 CL35 CL35 CL35 CL35 CL35 CL35 CL3							
32mm Distributor Tube Opening		CL3004				*Only for values that have	-	
						32mm Distributor Tube Or	enina	

C-Series 1" & 1-1/4" Control Valve Identification

C-Series with 1.050" Distributor Tube Opening Identification









C-Series 1-1/4" with 32mm Distributor Tube Opening Identification



Part No: C-Series TC Program - Rev0816