Pentair Water

Fleck 5600SXT Downflow

Service Manual

Downflow: **Upflow** **Upflow Variable**

Timer Program Settings:

Drain Line Flow Control:

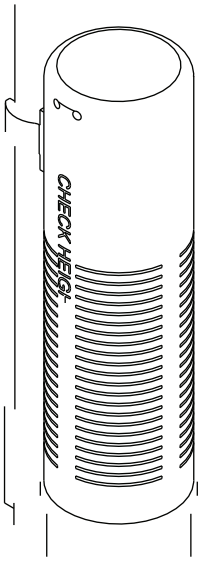
Water Pressure

Electrical Facilities

Existing Plumbing

Location Of Softener And Drain

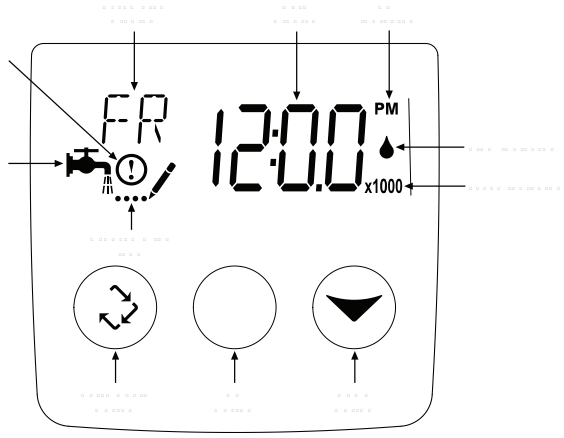
By-Pass Valves



CAUTION **Water pressure is not to exceed 125 psi (8.6 bar), water temperature is not to exceed 110°F (43°C), and the unit cannot be subjected to freezing conditions.**

Installation Instructions

TIMER FEATURES



Meter Immediate Control

Meter Delayed Control

Time Clock Delayed Control

Day of the Week Control

Control Operation During Regeneration

Control Operation During Programming

Manually Initiating a Regeneration

NOTE: If the unit is a filter or upflow, the cycle step order may change.

NOTE: A queued regeneration can be initiated by pressing the Extra Cycle button. To clear a queued regeneration, press the Extra Cycle button again to cancel. If regeneration occurs for any reason prior to the delayed regeneration time, the manual regeneration request shall be cleared.

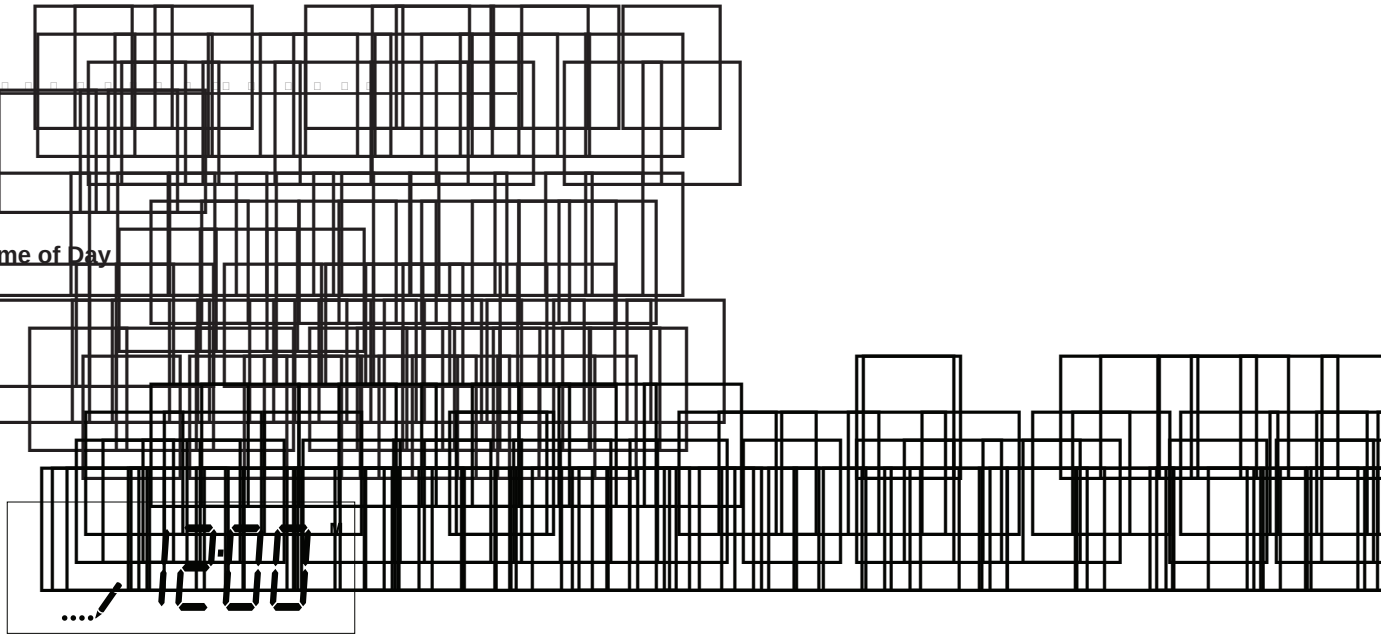
Control Operation During A Power Failure

Caution: Before entering Master Programming, please contact your local professional water dealer.

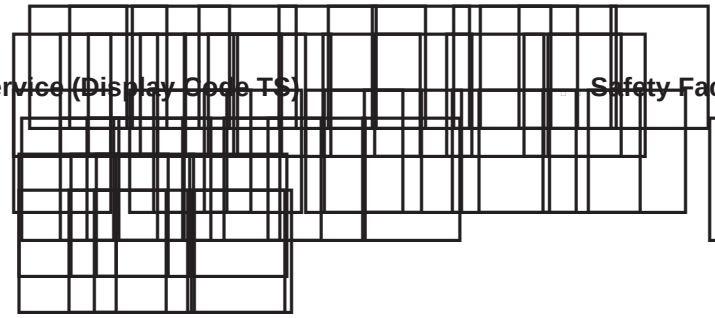
Master Programming Options			
Abbreviation	**Parameter**	**Abbreviation**	

NOTE: If "Othr" is chosen under "Valve Type", then R1, R2, R3, etc, will be displayed instead

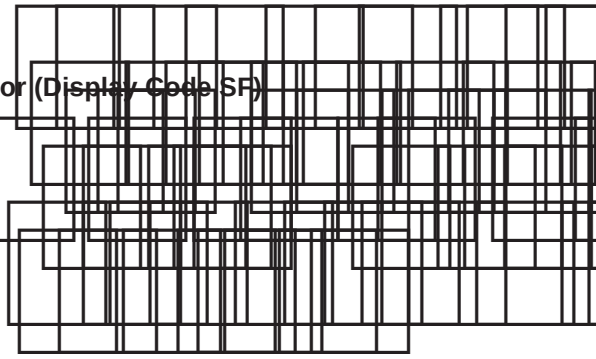
Setting the Time of Day

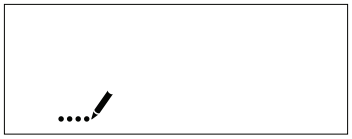


- **Tank in Service (Display Code TS)**

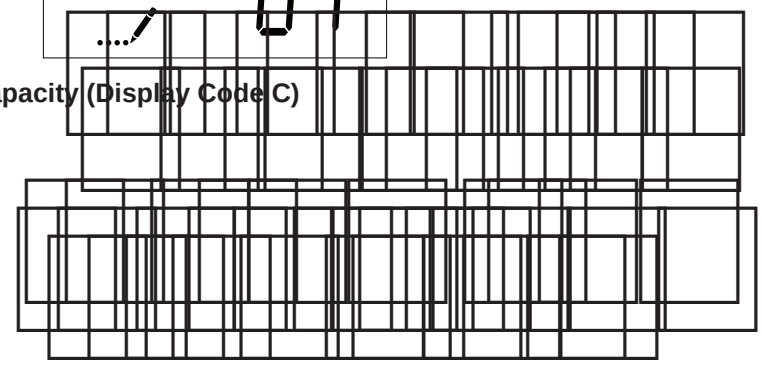


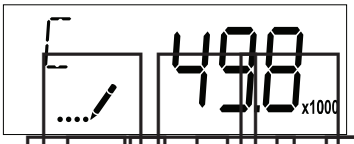
- **Safety Factor (Display Code SF)**



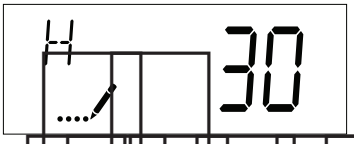


- **Unit Capacity (Display Code C)**

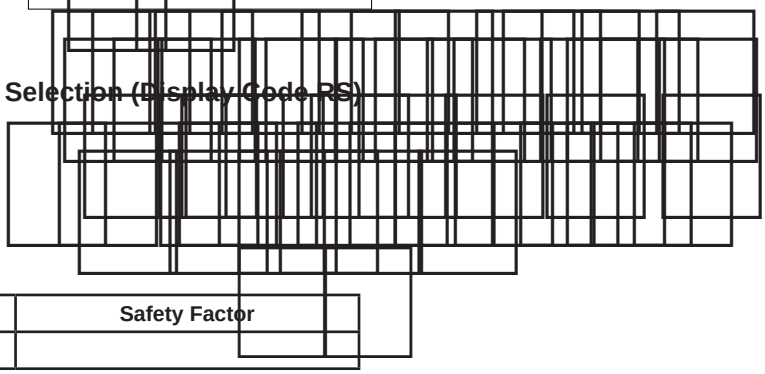




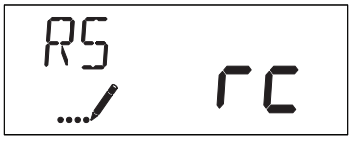
- **Feedwater Hardness (Display Code H)**



- **Reserve Selection (Display Code RS)**



	Safety Factor

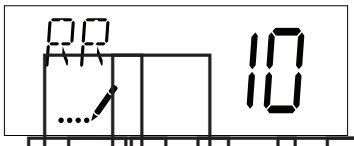


Regeneration Time

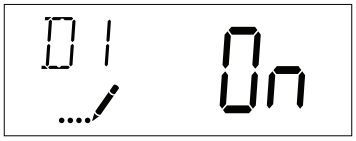
Current Day (Display Code CD)

Regeneration Cycle Step Times

Abbreviation	



Day of Week Settings

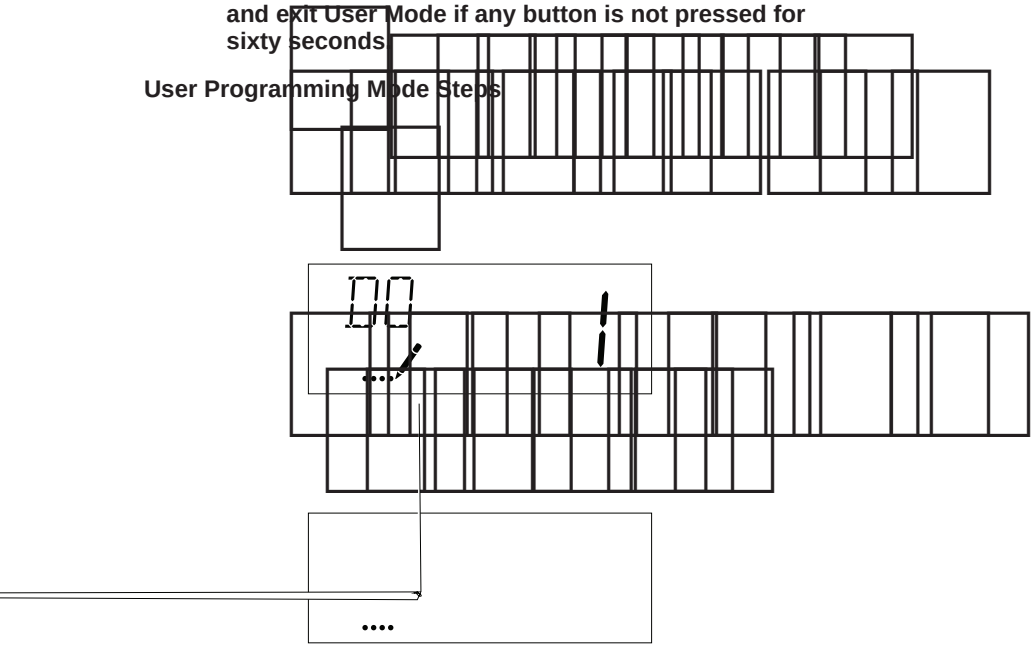


USER PROGRAMMING MODE

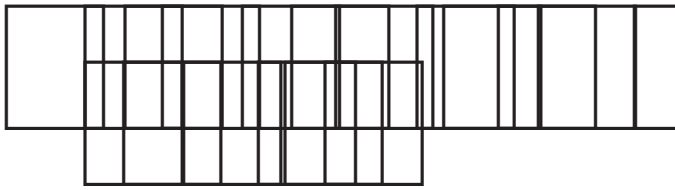
User Programming Mode Options	
Abbreviation	Parameter

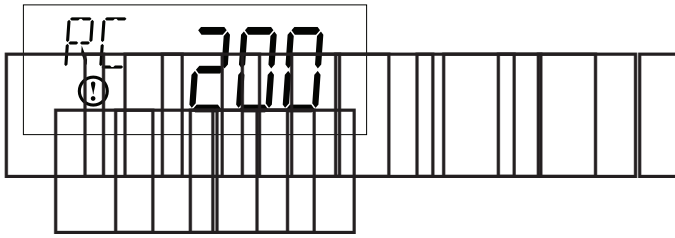
NOTE: Some items may not be shown depending on timer con f guration. The timer will discard any changes and exit User Mode if any button is not pressed for sixty seconds.

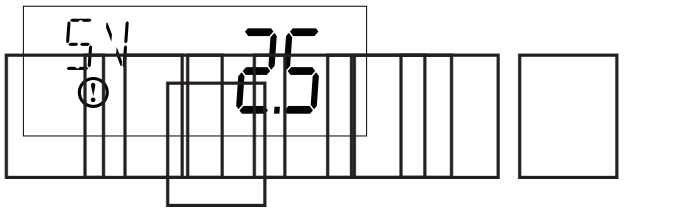
User Programming Mode Steps



Diagnostic Programming Mode Options	
Abbreviation	**Parameter**

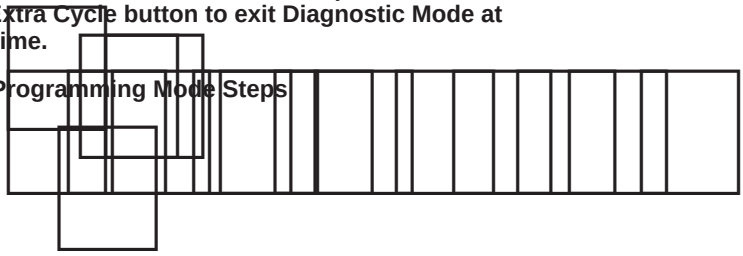


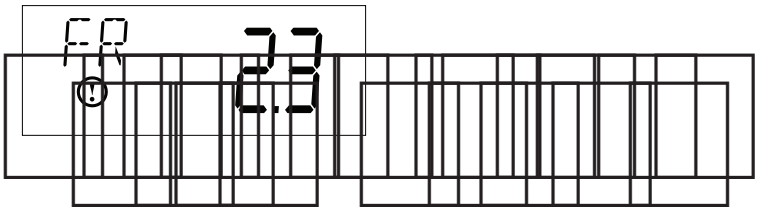


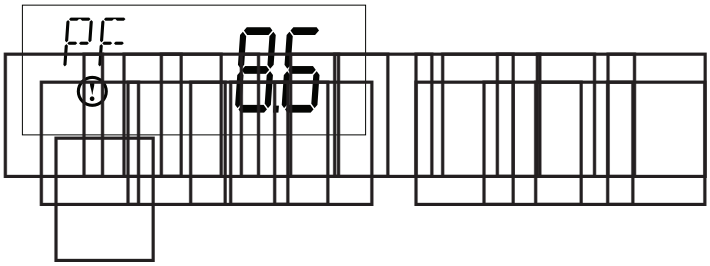


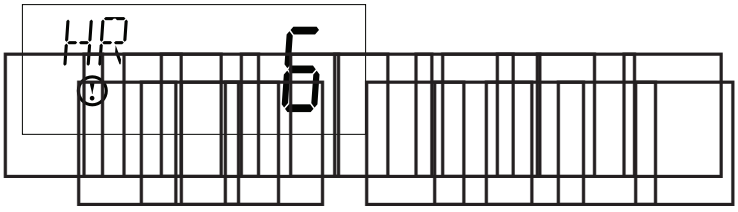
NOTE: Some items may not be shown depending on timer configuration. The timer will exit Diagnostic Mode after 60 seconds if no buttons are pressed. Press the Extra Cycle button to exit Diagnostic Mode at any time.

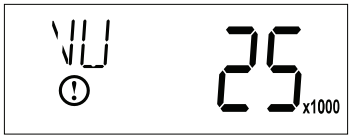
Diagnostic Programming Mode Steps

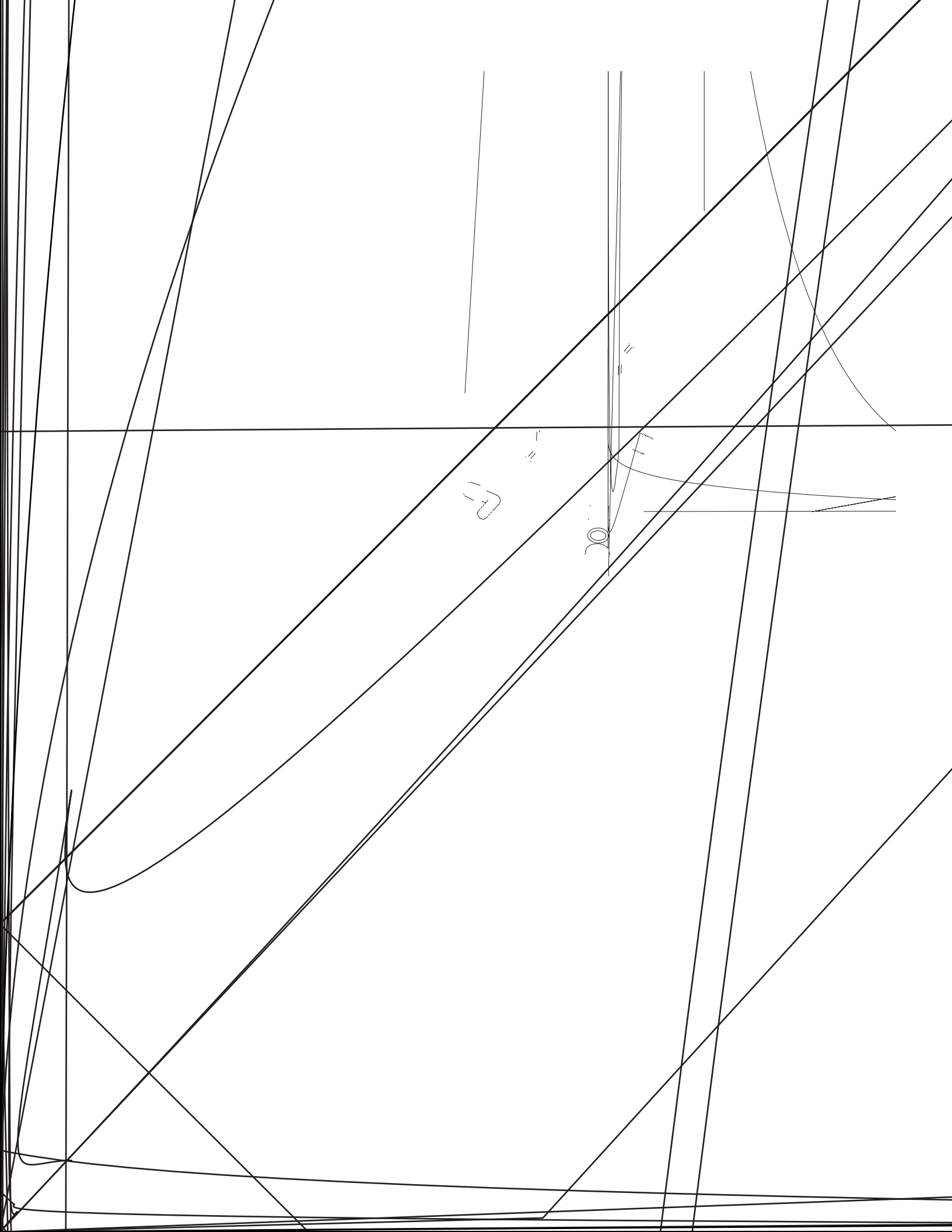


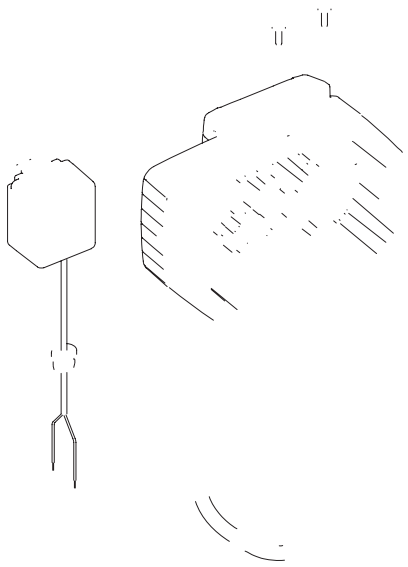




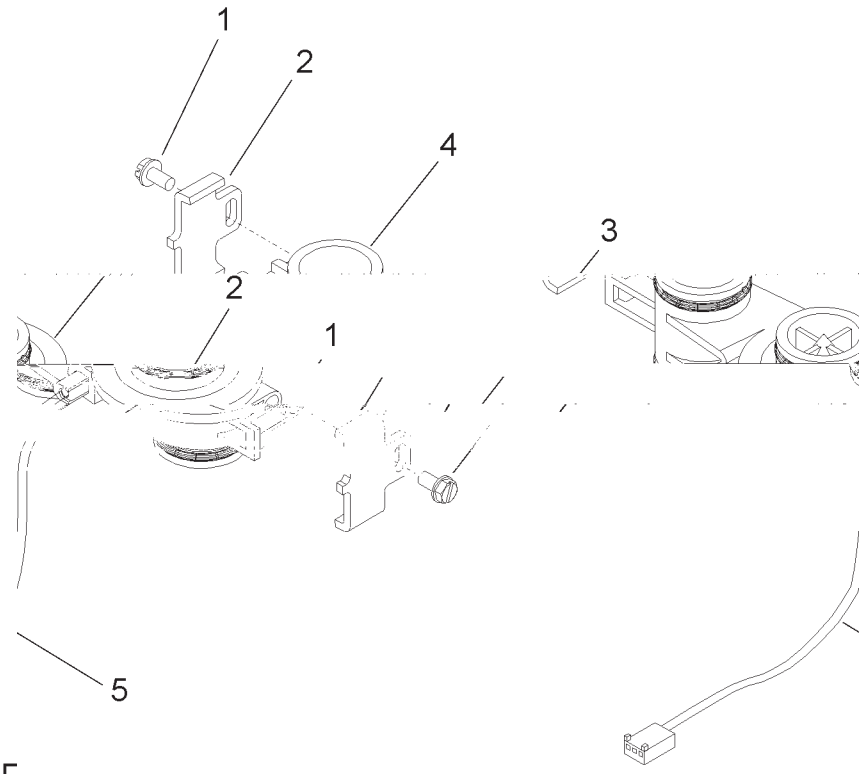






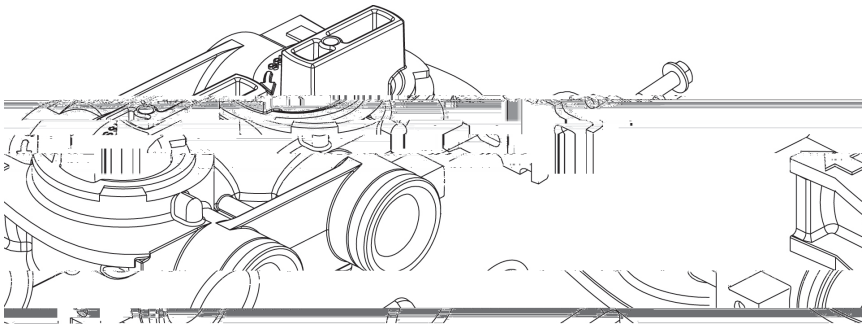


3/4" TURBINE METER ASSEMBLY



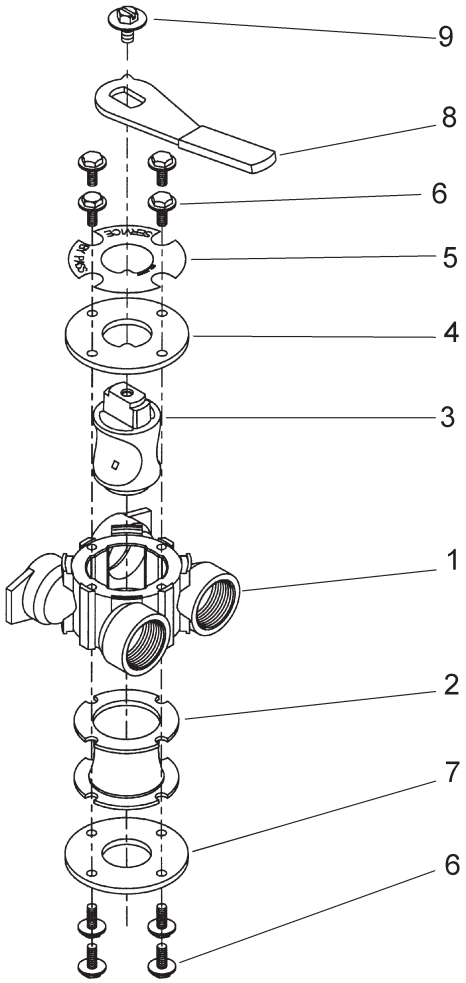
Item No.	QTY	Part No.	Description

BYPASS VALVE ASSEMBLY (PLASTIC)



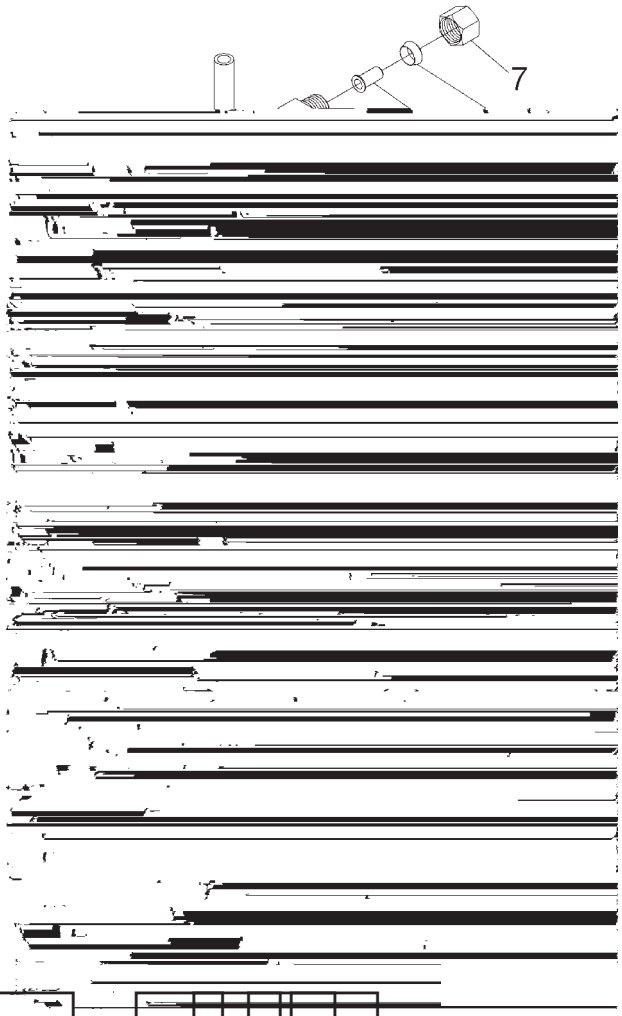
Item No.	QTY	Part No.	Description

BYPASS VALVE ASSEMBLY (METAL)



Item No.	QTY	Part No.	Description

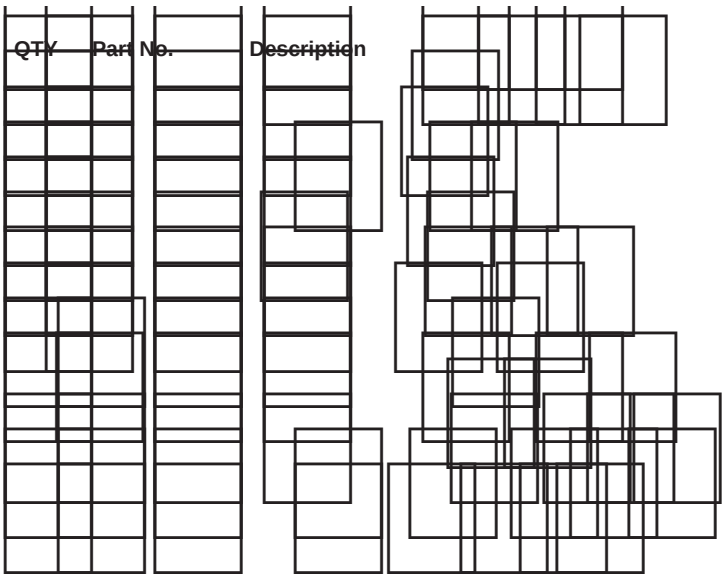
2300 SAFETY BRINE VALVE



Item No.	QTY	Part No.	Description

2310 SAFETY BRINE VALVE

Item No.	QTY	Part No.	Description



TROUBLESHOOTING

Problem	Cause

TROUBLESHOOTING

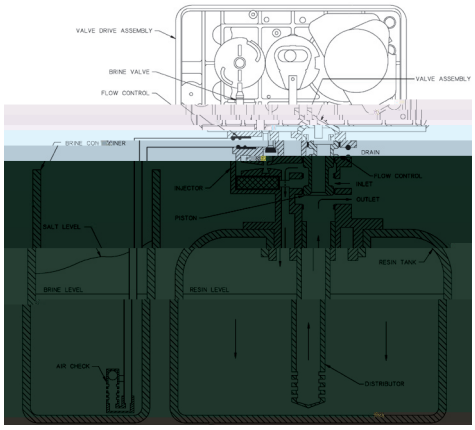
Error Codes

NOTE: Error codes appear on the In Service display.

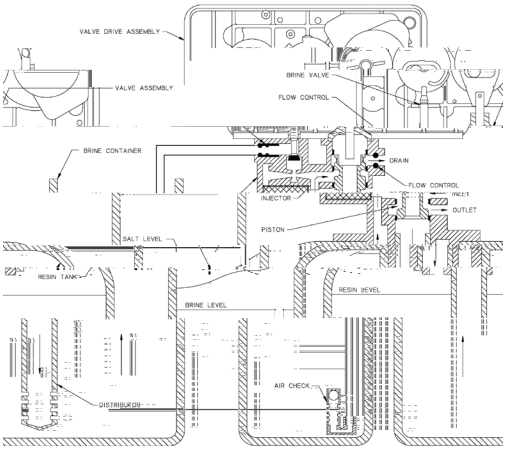
Error Code		Cause	Reset and Recovery

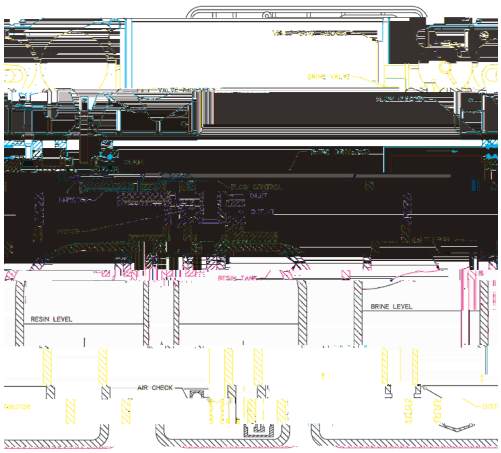
Single Backwash Positions Black Cycle Cam (Part Number 17438)	Double Backwash Positions Blue Cycle Cam (Part Number 40609)

Service Position

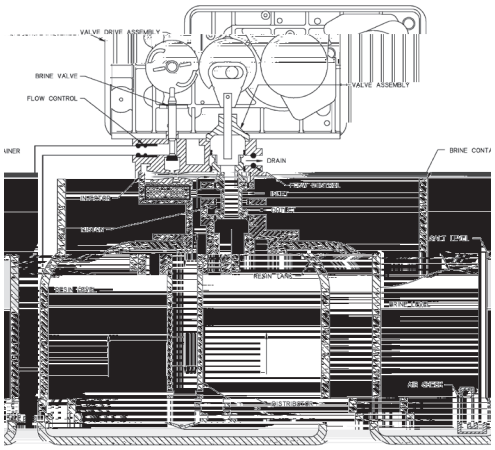


Backwash Position

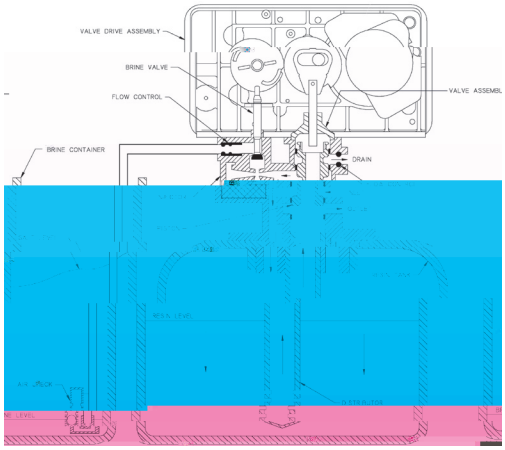




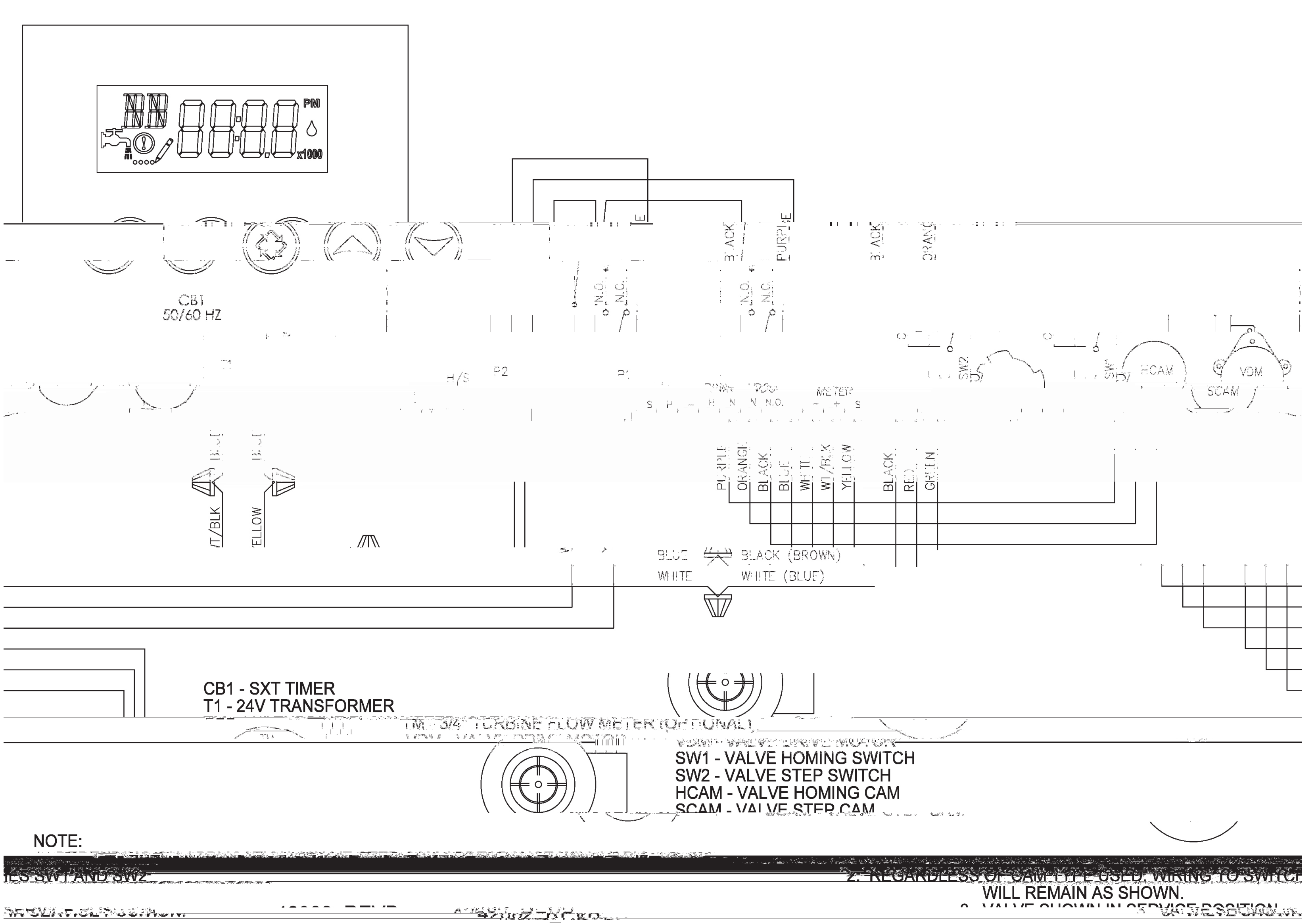
Second Backwash Position (Double Backwash Units Only)



Rapid Rinse



Brine Tank Fill Position


CB1
50/60 HZ
H/S
P2
P1
N.O.
N.C.
BLACK
PURPLE
ORANGE
SW2
SW1
HCAM
VDM
SCAM
METER
PURPLE
ORANGE
BLACK
BLUE
WHITE
WT/BLK
YELLOW
BLACK
RED
GREEN
BLUE
WHITE
BLACK (BROWN)
WHITE (BLUE)
CB1 - SXT TIMER
T1 - 24V TRANSFORMER
SW1 - VALVE HOMING SWITCH
SW2 - VALVE STEP SWITCH
HCAM - VALVE HOMING CAM
NOTE:
WILL REMAIN AS SHOWN.

SERVICE INSTRUCTIONS

Replacing Brine Valve, Injectors and Screen

Timer Replacement

NOTE: Be sure to shut off any bypass line.

Brine Valve Replacement

Piston Assembly Replacement

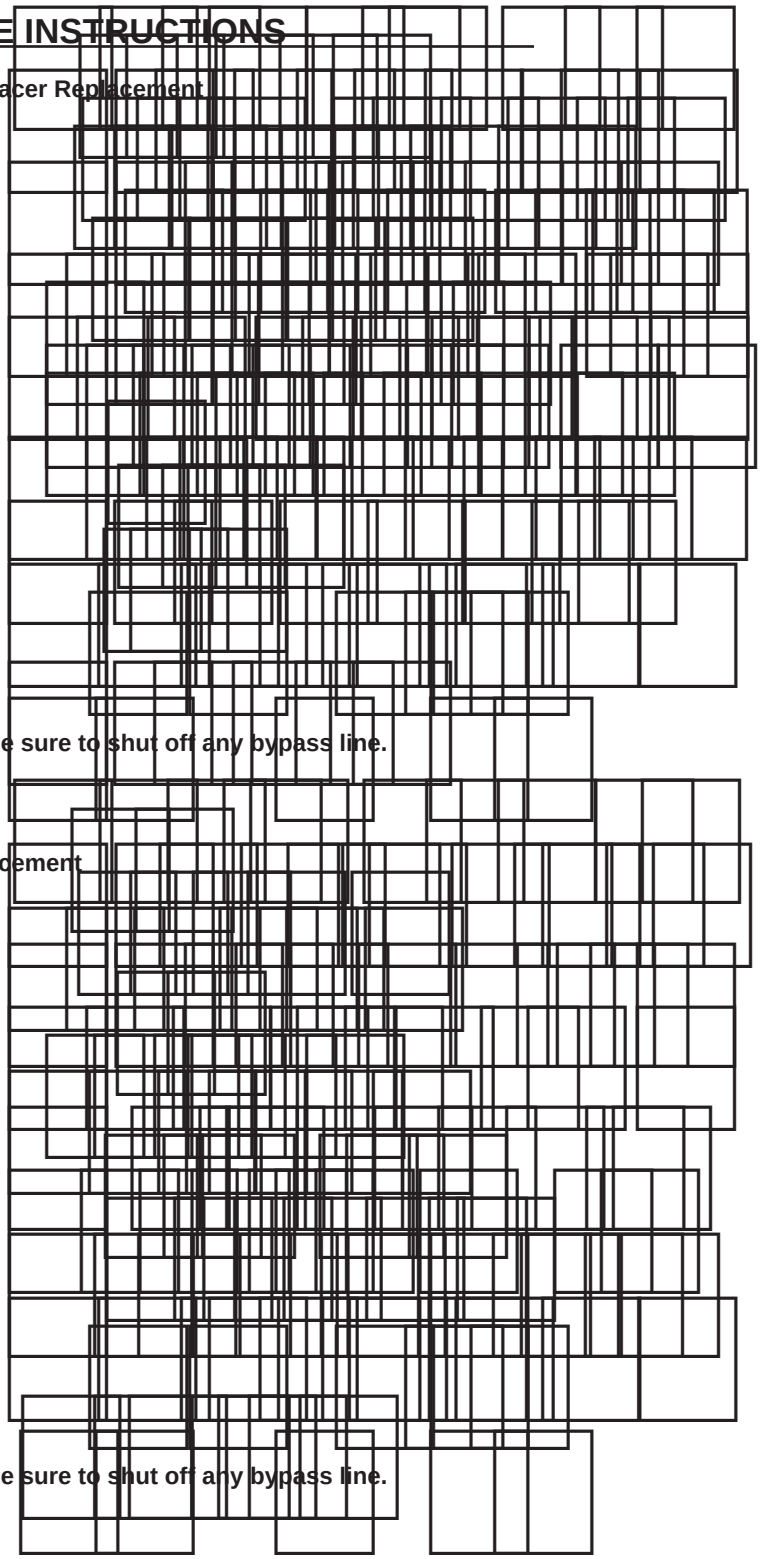
Injectors/Screen Replacement

NOTE: Be sure to shut off any bypass line.

NOTE: Be sure to shut off any bypass line.

SERVICE INSTRUCTIONS

Seal and Spacer Replacement



NOTE: Be sure to shut off any bypass line.

Meter Replacement

NOTE: Be sure to shut off any bypass line.

SERVICE ASSEMBLIES

Air Check

Brine Line Flow Control Washers

Brine Valve Assembly

Bypasses

Drain Line Flow Control Washers

Floats

Front Panels