



# Intelli Valve Operator's Training & Service Manual



# TABLE OF CONTENTS

<b>How It Works.....</b>	<b>2</b>
<b>How To Install IntelliValve.....</b>	<b>3-11</b>
<b>How To Add Accessories and Replace IntelliValve Parts.....</b>	<b>12-14</b>
<b>How To Maintain.....</b>	<b>15</b>
<b>How To Trouble Shoot During Installation.....</b>	<b>16</b>
<b>Trouble Shooting Causes &amp; Remedies.....</b>	<b>17-20</b>
<b>Trouble Shooting Reference Guide.....</b>	<b>21-22</b>
<b>IntelliValve Models, Options, &amp; Accessories.....</b>	<b>23-26</b>
<b>IntelliValve Recommended Stocking Levels For Service Locations.....</b>	<b>27-28</b>
<b>IntelliValve Warranty.....</b>	<b>39</b>
<b>How To Contact Deltrol Controls.....</b>	<b>30</b>

# How It Works

The IntelliValve™ valve is a smart valve that automatically adjusts for changing dispenser conditions over time. The IntelliValve valve is designed to maintain the optimal water-to-syrup ratio over its life and over a

wide operating range of syrup & water pressures and temperatures. The optimal ratio is maintained by a set of water and syrup Flow Control Modules working in conjunction with the water flow sensor, syrup pressure sensor and syrup temperature sensor.

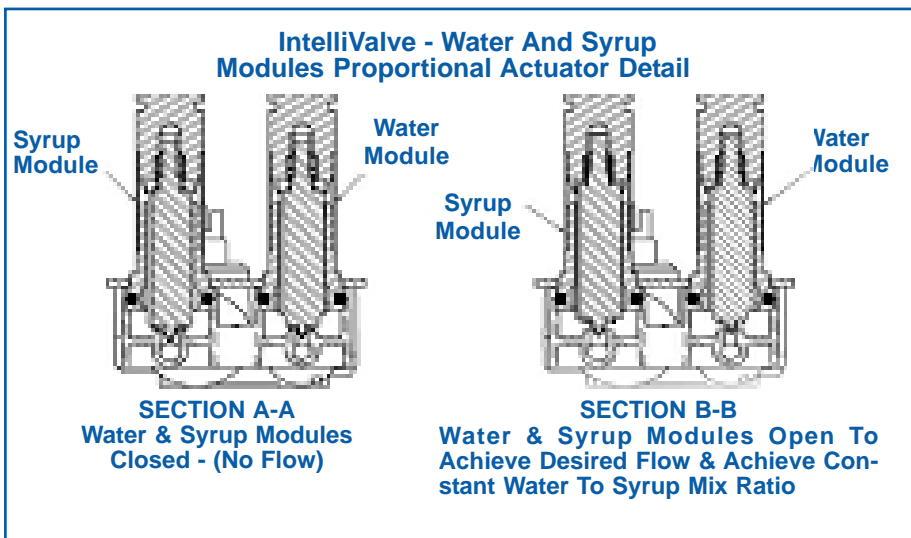
The Flow Control Modules have been developed for use with a microprocessor based controller that measures water and syrup flow rates and controls both the water and syrup flow by making many ad-

justments as the valve dispenses beverage. These measurements are taken continually in order to respond to dispenser condition changes. This allows the product drink quality to be maintained at the optimal water-to-syrup ratio as the beverage is being dispensed.

The main control board measures both water and syrup flow. The flow rates are continually compared and adjustments to the output signal for each water and syrup flow control are made. To increase the flow rate the flow control stem is electro-magnetically pulled from its fully closed position allowing more water or syrup to pass through the exposed opening. Decreasing the flow rate is accomplished by reducing the electro-magnetic force allowing the valve stem to close. Loss of power during dispensing will automatically cause both the water and syrup to return to the off, or the fully closed, state.

**Automatic Shut Off...**In the event that either the water or syrup supplies are missing (e.g. water turned-off or empty syrup box) a built-in sold-out feature on the main control board will prevent the valve from operating. The valve will dispense for up to one second without water or syrup and then it will automatically shut-off. To restart dispensing, it is necessary to release the dispensing lever and then re-activate the lever. This feature has been developed to prevent the consumer from receiving a poor-quality drink.

**Flavor Chips...**In order to provide the IntelliValve controller with the necessary product specific data to control each flavor ratio and flow rate properly, a flavor chip that contains unique data conversion factors associated with each flavor must be installed. This data is read every time power to the valve is turned on. The valve will not operate without this flavor chip.



# How To Install IntelliValve

The IntelliValve is easy to install, requires no special set-up equipment for installation and no calibration at start-up or after long-term operation. Installation and start-up requires only that the lever, nozzle, flavor chip and power be connected to the valve.)

## Preparing the Intellivalve for mounting on the dispenser.

- A) If the Intellivalve was received with the lever and nozzle packaged loose then these items should be installed prior to mounting the Intellivalve on the dispenser.
- B) If the Intellivalve was received fully assembled, the cover will need to be removed in order to mount the valve, install the flavor tab and connect electrical power.
- C) The procedures outlined below detail the nozzle installation, cover removal, lever installation, mounting the valve on the dispenser, flavor chip installation, electrical power connection, reinstalling the cover and commissioning the valve into service.



## Nozzle Installation

- A) Prior to mounting the nozzle turn the valve over and insure that the sealing o-ring is in position.

- B) Check to insure there is a seal on the diffuser and install the diffuser of the nozzle assembly by pushing it into the central port.



# How To Install IntelliValve (Con't)



C) Install the nozzle cover by inserting it into the receiving groove with the locking tabs aligned to the clearance slots. Press the nozzle in and turn it 30 degrees to lock it into position.

## Removing The Cover

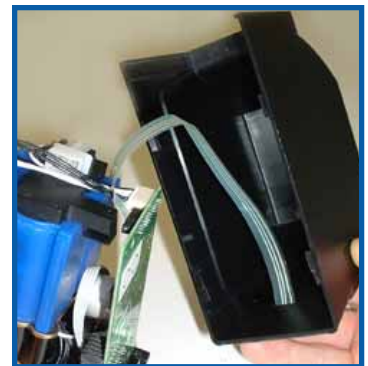
A) Hold onto the valve by the back plate and nozzle. Grasp the front of the cover by the serrated finger grips and lift the front of the cover up. Note: The front of the cover will only lift up approximately 1/16" (1.5mm)



B) Once the front locking tabs have been disengaged the cover can be pulled forward 3/8" (9.5mm) to disengage the back locking tabs.



C) The cover may now be removed from the IntelliValve with CAUTION. Depending on the model of the IntelliValve the cover may include an integrated membrane switch, which is attached to the main control circuit board of the IntelliValve. Excessive pressure on the membrane switch tail can cause it to become dislodged from the circuit board connector and may damage the conductive traces on the tail.



# How To Install IntelliValve (Con't)

D) The cover has been designed with internal curbs that allow it to be mounted on the front of the baseplate of the IntelliValve. With the cover removed the lever can now be mounted.



## Mounting The Lever



A) Locate and remove the lever pivot pin from the baseplate of the IntelliValve.

B) Insert the lever into the receiving slots on the bottom of the valve. Looking from the side of the valve align the pivot hole in the lever with the rotational slots in the baseplate and insert the pivot pin. Insert the pivot pin until

the flanged head of the pin engages the retaining slot in the baseplate of the valve. The pin is correctly seated when equal lengths are exposed on both sides of the baseplate.



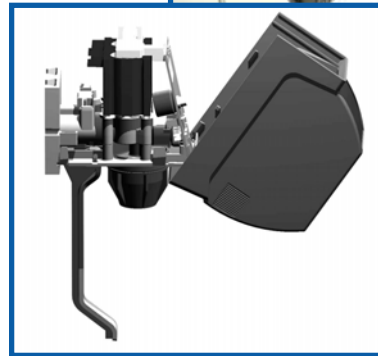
## Mounting The Valve On The Dispenser

A) The valve is now ready for mounting on the dispenser. Please note that the valve is fully compatible with the UFB-1/UF-1 mounting block. The easiest way to mount the valve is to rest the cover on top of the solenoids, grasp the nozzle, as if you are making a handshake, and press the valve straight into the mounting block. Avoid placing any pressure on the circuit board while installing the valve.



# How To Install IntelliValve (Con't)

- B) Once the valve is seated, slide the mounting block into the locked, operating position.
- C) With the valve mounted to the dispenser the cover can be rotated forward and mounted onto the baseplate of the valve so that no undue stress is being applied to the membrane switchtail.



## Installing Flavor Chip



- A) Assemble the flavor chip to the main circuit board. The flavor chip has a polarized 5pin connector to insure proper orientation on the board. The main board also has a rubber pad that restricts excessive movement of the flavor chip during installation.

B) Make sure the flavor chip I.D. matches the desired syrup (e.g. Pepsi syrup flavor chip will be marked as "Pepsi"). **Note: The Intellivalve will not function without the flavor chip being installed prior to applying electrical power to the valve.**



## Electrical Power Connection

- A) Connect the electrical power to the valve by attaching the 2-pin AMP connector. Note: The AMP connector is polarized and will fully insert into the valve connector in only one orientation.



# How To Install IntelliValve (Con't)

B) To facilitate reassembly of the cover, place the power connector as shown.

## Reinstalling The Cover



A) Reinstall the cover to valve by sliding the cover down over the solenoids until it bottoms out on the baseplate of the valve. If necessary to facilitate installation, the back, open end, of the cover can be spread apart for increased clearance.



B) Once bottomed, the cover can be slid back toward the dispenser until the locking tabs are engaged.



## Commissioning The Valve Into Service

A) Restore power to the dispenser by either turning on the dispenser key or reconnecting power to the dispenser transformer.

B) Complete (3) five-second beverage dispenses. This will allow the IntelliValve microprocessor to adjust for actual machine operating conditions.

**You have now completed installation and launch of a new IntelliValve.  
Enjoy the trademark drink quality!**



# How To Install IntelliValve (Con't)

## General Note On Flavor Chip Installation

Power does not have to be turned off to prevent damage to the flavor chip or main control because there is low voltage power to the chip only during a brief time during power-up when the data is being read. If the chip is changed with the power on, no damage is done but the control does not know to read in new data.

When installing flavor chips, power cycling (off and on) is critical to having the control read the new data.

## Water And Syrup Purge Maintenance Features...

Upon removal of the cover, the front face of the microprocessor control board is accessible. The upper left hand section of this control board has buttons which can be manually pressed to pour water (w) or syrup (s) only. Each button will discharge as long as that button is pressed. The syrup (s) button has a 3-second delay to prevent inadvertent syrup dispense. These features are not necessary for IntelliValve start-up but may be useful to remedy other conditions in dispenser operation. (Refer to Trouble Shooting Causes & Remedies)



Front Face Of Board With Water (W) And Syrup (S) Only Buttons

## Programming Portion Control

The IntelliValve Portion Control model is different than predecessors. It programs and stores portion SIZE not dispense TIME values. Therefore it is normal for the dispense times to vary as needed to allow the valve to dispense the same quantity regardless of changes in system pressures during dispense.

# How To Install IntelliValve (Con't)

The Portion Control model is pre-programmed at the factory with the following drink sizes:

Small Pushbutton	7 ounces / dispense
Medium Pushbutton	11 ounces / dispense
Large Pushbutton	16 ounces / dispense
X-Large Pushbutton	22 ounces / dispense

These are the default dispense volumes as shipped. There is no factory preset top-off volume for each size. The Portion Control model is initially set-up for manual top-off. Any of these drink sizes can be changed by reprogramming the membrane control switch as follows:



**To reprogram the drink size without an automatic top off, follow the steps listed below:**

1. Enter programming mode by holding the hidden programming button down for 3 seconds. The programming LED will illuminate.
2. Press and hold the drink size button to be programmed down until the required drink volume is dispensed.
3. Release the drink size button, the programming LED will be blinking.
4. Press the manual top off button (button face with red up arrow & green down arrow) the programming LED will stay illuminated but stop blinking.
5. Go to the next size and repeat steps 2, 3 & 4.
6. Once all drink sizes have been reprogrammed, hold the hidden programming button for 3 seconds, the LED will go out indicating programming is complete.

# How To Install IntelliValve (Con't)

**To reprogram the drink size with an automatic top off follow the steps listed below:**

1. Enter programming mode by holding the hidden programming button down for 3 seconds. The programming LED will illuminate.
2. Press and hold the drink size button to be programmed down until the required drink volume is dispensed.
3. Release the drink size button, the programming LED will be blinking.
4. After the foam has settled, press and hold the same size drink button until the drink has been topped off.
5. Press the manual top off button (button face with red up arrow & green down arrow) the programming LED will stay illuminated but stop blinking.
6. Go to the next size and repeat steps 2, 3 & 4.
7. Once all drink sizes have been reprogrammed, hold the hidden programming button for 3 seconds, the LED will go out indicating programming is complete.

**To reset the drink sizes to factory default setting, follow the steps listed below:**

1. Enter programming mode by holding the hidden programming button down for 3 seconds. The programming LED will illuminate.
2. Press and hold the manual top-off button (button face with red up arrow & green down arrow).
3. While holding down the manual top-off button, press the drink size button to be reset. The LED will blink twice.
4. Release both buttons before defaulting next size.
5. Repeat steps 3 & 4 for each drink size to be defaulted.
6. Exit programming mode by holding the hidden programming button down for 3 seconds.

# How To Install IntelliValve (Con't)

## Programming IntelliFill

The IntelliFill model features an improved means of automatic filling. An automatic top-off feature is also provided. This feature is time-based and preset at the factory to pour after a 3 second delay from the completion of the primary drink dispense. This delay can also be reprogrammed in the field. To program a top-off, follow these steps:

1. Hold down the hidden program button for 3 seconds until LED comes on solid.
2. Depress and hold the IntelliFill lever, allowing drink to dispense (LED is solid) into a cup.
3. When contact is sensed, the drink dispense will halt and the LED will blink.
4. When the foam has gone down, press the hidden program button and the drink dispense will resume with the LED on solid.
5. When contact is sensed, the drink dispense will stop. This ends the sequence.
6. Remove the cup from the autofill lever.
7. Press and hold the hidden program button for 3 seconds to save/ exit programming mode.
8. The LED will extinguish indicating the valve is in normal operating mode.



**Hidden Top-Off  
Programming Button**

To clear top-off, repeat the above steps, except skip steps 4 and 5.

# How To Add Accessories & Replace IntelliValve Parts

## Upgrade To Water Only Cover

Any base model of the IntelliValve can be converted to a model having a water or soda-only option by replacement of the cover with a cover having the water/soda-only option. This cover is fitted with a user friendly membrane switch. This membrane switch tail must be connected to the main control board prior to cover installation. This added dispensing feature is for the operator or consumer and not to be confused with service buttons available on every valve's circuit board under cover. Please refer to the last section of this document, that covers options and accessories for the appropriate cover.



**Attaching Cover Mounted Membrane Switch To Main Control Board**



**Nozzle Removal**

## Nozzle Replacement

The nozzle can be removed by a simple counter-clockwise turn and pull from the valve base. The nozzle is replaced by positioning the two nubs into the base holes and turning clock-wise. It is important to check that the red O-RING is properly aligned on the nozzle inlet stem prior to nozzle insertion into the valve base.

Refer to the nozzle cleaning instructions for information on nozzle component assembly.



**O-ring, Diffuser and Nozzle Replacement Replacement**

# How To Add Accessories & Replace IntelliValve Parts (Con't)

## Lever Installation And Removal

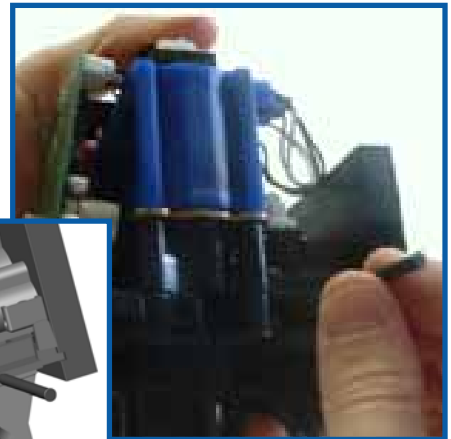
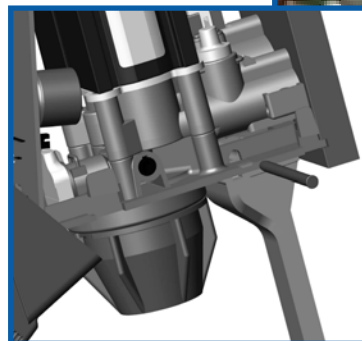
Self-serve sanitary lever versions of the IntelliValve are typically shipped with Delrin plastic levers which are very durable and designed for long service life. Should the plastic lever ever need replacement follow these simple steps.

For new lever installation, simply position the lever in the pivot channel such that rotational slots are aligned then fully insert the retaining pin such that both ends of the pin are visible.

The lever can be removed by first removing the cover and then the retaining pin that the lever pivots around. The lever can then be removed from the pivot channel.

An accessory lever is available for those customer locations that desire the looks of a stainless steel lever. The stainless steel lever is installed and replaced with exactly the same procedures as the standard plastic levers.

The IntelliFill model is supplied with a unique conductive stainless steel lever.



**Installing Plastic Lever With Pin**



**IntelliValve With Stainless Steel Lever**



**IntelliFill - Standard Stainless -Steel Lever**



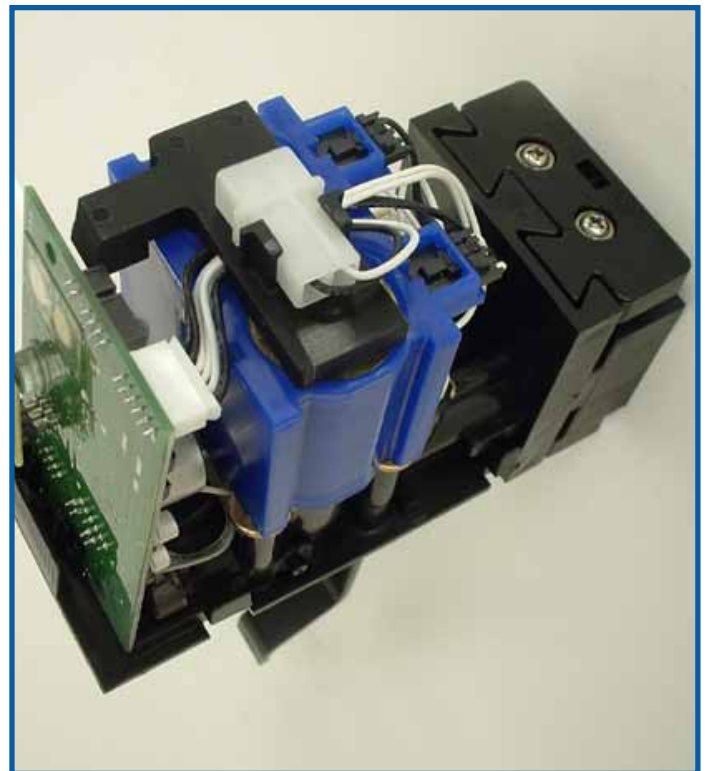
**IntelliValve With Plastic Lever**

# How To Add Accessories & Replace IntelliValve Parts (Con't)

## Replacing Power Wire Harness

The power wire harness can be replaced by removal of the connector from the black retaining coil clip. The clip is then slid off the coils for removal of the harness from the main control board connector.

**NOTE:** Insure that the coil connector plug with black wires is connected to the water side solenoid and the connector with white wires is connected to the syrup side solenoid. Failure to make the proper connection will result in the valve not dispensing.



# How To Maintain

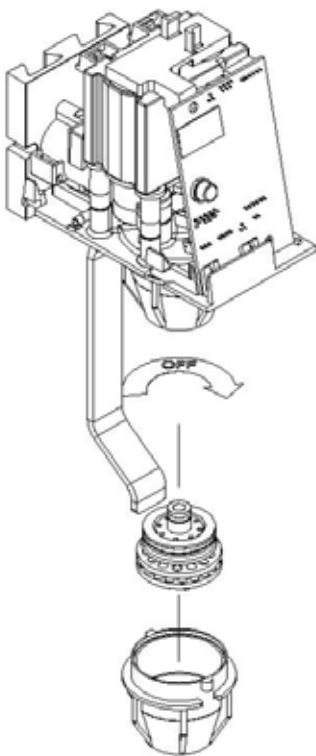
The IntelliValve is a “smart” valve that automatically adjusts for changing dispenser conditions over time. While other valve designs require multiple service-calls to correct mix ratios as pressure and/or temperature conditions change or as mechanical adjustment drift over time, the IntelliValve does not require such periodic maintenance.

Maintaining the IntelliValve is as simple as normal exterior nozzle cleaning and maintenance. This can be done on an interval as is the custom for the local operator.

## Weekly Nozzle Cleaning Procedure

This cleaning procedure must be performed each week or more often if needed to maintain cleanliness of the nozzle and inner nozzle.

1. Prepare a washing solution of 3 gallons of warm water (120°F) and 1 ounce of mild non-scented detergent.
2. Remove nozzle assembly (contains Inner Nozzle) from dispensing valve. Separate the inner nozzle from the nozzle and wash the two parts in the cleaning solution. It may be necessary to use a small stiff Nylon bristle brush to thoroughly clean the nozzles. Do not use a brush with metal bristles.
3. Rinse the nozzle and the Inner Nozzle in potable water.
4. Inspect the two nozzle parts to be sure they are clean. If any residue remains, return to step 2 and clean the parts again.
5. Return the Inner Nozzle to the nozzle and replace the assembly to the valve.



## Weekly IntelliValve Cleaning Procedure

The IntelliValve is as easy as wiping the valve exterior and lever off with a damp cleaning rag, making sure not to get too much water on the case of valve.



# How To Trouble Shoot During Installation

If any questions arise during installation, please refer to the trouble-shooting information included in the instructions or as specified below and in the following pages.

## **If the valve fails to operate properly upon installation, first**

- Check for 24V-AC power.
- Check for adequate water and syrup supply (unit has built-in sold-out and will not dispense if no water or syrup is present).
- Check for missing flavor chip (valve will not pour without a flavor chip present).
- Check for any loose connector

## **If the valve leaks water through the nozzle for extended periods,**

Confirm the valve is installed on a cold carbonation dispenser. The IntelliValve has been designed to achieve Trademark drink quality with cold carbonation dispensers. Many ambient carbonation dispensers may be set at carbonation pressures exceeding the IntelliValve design limits for Trademark drink quality.

Other possible causes and remedies for water leakage are covered in the next section. Trouble Shooting Causes & Remedies.

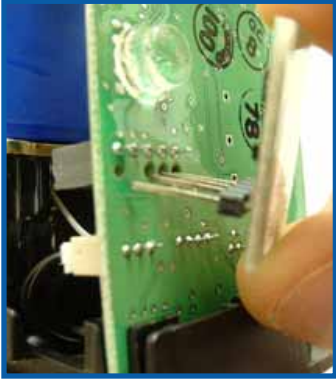


# Trouble Shooting Causes And Remedies

Trouble	Probable Cause	Remedy
Water-to-Syrup Ratio Too Low Or Too High	A. Wrong Flavor Chip	Replace Flavor Chip With Correct Flavor Chip. Please Refer to Installing Flavor chips section in “How To Install”. Cycle Power On/Off. Complete 3 Short Beverage Dispenses. Recheck mix ratio.
	B. Incorrect Syrup for designated flavor	Replace to correct syrup
	C. Inadequate water supply	Repair/Restore water supply to dispenser
	D. Inadequate syrup supply	Check syrup supply and replace if necessary
	E. CO <sub>2</sub> gas pressure set incorrectly causing improper carbonation level	Adjust the CO <sub>2</sub> supply for water supply regulator to PSI or per recommen-
75 manufacturer's dation		
Valve Dispenses For Only A Moment	A. Out of Syrup	Replace Syrup
	B. Water Line is Disconnected or Shut Off	Repair/Restore Water Supply to Dispenser

# Trouble Shooting Causes And Remedies Con't

Trouble	Probable Cause	Remedy
Valve Dispenses For Only A Moment (Con't)	C. Excessive air in syrup line (note: Small amounts of air are normal and the valve will function properly under these conditions.)	Remove cover. On the upper lefthand corner, at front face of the control board, there are manual syrup (s) and water (w) purge buttons. Depress the syrup (s) purge button to bleed excess air from the syrup line.
	D. Broken or Disconnected Wiring	Make sure the wires are connected as shown in photos.
	E. CO <sub>2</sub> Regulator Not Properly Adjusted	Adjust CO <sub>2</sub> Regulator
	F. Syrup Pump Not Working	Repair or Replace Syrup Pump
	G. Tank Quick Disconnect or Syrup Lines Restricted	Sanitize Syrup System
No Product Dispensed From All Dispensing Valves	A. No Electrical Power to Dispenser	Connect Electrical Power To Dispenser
	B. Disconnected or Broken Wiring To Dispensing Valves	Connect or Replace Wiring
	C. Inoperative 24VAC Transformer	Replace Transformer

# Trouble Shooting Causes And Remedies Con't'

<b>Trouble</b>	<b>Probable Cause</b>	<b>Remedy</b>
<p>No Product Dispensed From Dispensing Valve</p> 	<p>A. Broken or Disconnected Wiring</p> <p>B. Flavor Chip Not Installed</p>	<p>Make Sure the Wires are Connected as in Photos</p>  <p>Install Flavor Chip</p>
	<p>C. Membrane Switch Tail Loose</p>	<p>Check Connection To The Main Control Board</p>

# Trouble Shooting Causes And Remedies (Con't)

Trouble	Probable Cause	Remedy
Water Leak Through Nozzle	A. CO <sub>2</sub> Pressure Set Too High	Set CO <sub>2</sub> Pressure to 75 PSI or setting recommended by dispenser manufacturer
	B. Trapped Air in Carbonator Tank	Relieve Air From Carbonator Tank. If pressure relief valve is inaccessible, the water (w) purge button can be manually activated to pour water only and purge some of the trapped air.
Water/Syrup Leak Between Nozzle and Base of Valve	A. Nozzle Incorrectly Installed	Completely Remove Nozzle and Properly Reinstall
	B. Damaged and/or Worn O-Ring	Replace O-Ring
Water Leak Between Valve Mounting Block	A. Valve Not Properly Installed on Mounting Block	Completely Remove and Properly Install Valve on Mounting Block.
	B. O-Rings on Mounting Block are Damaged and/or Worn.	Replace O-Rings
Syrup Leak Through Nozzle	A. CO <sub>2</sub> Pressure Set Too High	Set CO <sub>2</sub> Regulator for Syrup Pumps to 60 PSI or per manufacturer's recommendations

## Probable Causes & Remedy

IntelliValve™ General Operation Trouble Shooting Reference Guide			
PROBABLE CAUSE	Valve does not dispense	Valve dispense for a mon	
		Both water & syrup	
No 24V-ac power to valve.	1		
Activation switch disconnected or malfunctioning. (W & S purge switches function normally)	3		
Flavor chip missing	2		
Incorrect match for syrup supply and flavor chip.			

## Probable Causes & Remedy (Con't)

IntelliValve™ Functional Mode Trouble Shooting Reference Guide		"PUSH" Button
<b>PROBABLE CAUSE</b>	Does not activate when pressed (purge switches OK)	
No 24V-ac power to valve.	1	
Activation switch disconnected or malfunctioning. (W & S purge switches function normally)	3	
Flavor chip missing	2	
Top-off function disabled.		

# IntelliValve Models, Options And Accessories

## Self Serve Lever Actuated



Stock No.	Description
10201-60	Plastic Lever
10205-60	Stainless Lever

IntelliValve technology with sanitary lever

## Self Serve Lever Actuated - Water/Soda



Stock No.	Description
10201-61	Plastic Lever
10205-61	Stainless Lever

Self-serve, lever-actuated IntelliValve models with push-button actuated water-only or soda water-only

## Self Serve Push Button



Stock No.	Description
10202-60	Single Button

IntelliValve technology with push-button actuator

## Self Serve Push Button - Water/Soda



Stock No.	Description
10202-61	2 Button

Self-serve, push-button actuated IntelliValve with second button for water-only or soda-only

## Portion Control



Stock No.	Description
10203-60	5 Button

IntelliValve technology with 4 preset portion control buttons (small, medium, large, extra-large volume pours) with fifth button for top-off

**NOTE:** To order a complete valve assembly, you will need to specify the valve stock number, mounting block stock number (if required) and flavor chip stock number (if required).



# IntelliValve Models, Options And Accessories (Con't)

## Portion Control - Water/Soda



Stock No.	Description
10203-61	6 Button

Six-button portion-control IntelliValve with additional button for water or soda water-only

## IntelliFill



Stock No.	Description
10204-60	Stainless Steel Lever

IntelliValve with automatic level sensing function

## IntelliFill - Water/Soda



Stock No.	Description
10204-61	Stainless Steel Lever

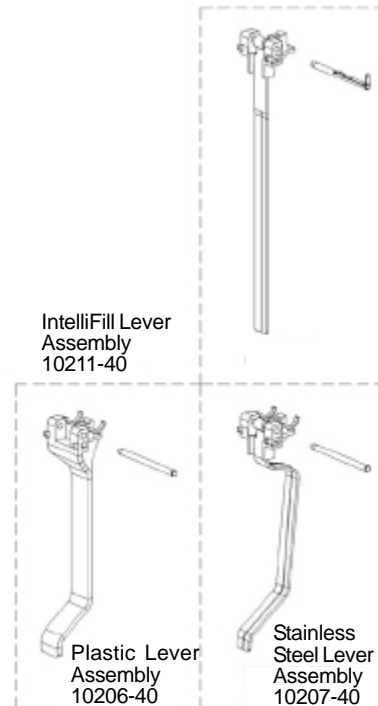
IntelliValve with automatic level sensing function

**NOTE:** To order a complete valve assembly, you will need to specify the valve stock number, mounting block stock number (if required) and flavor chip stock number (if required).

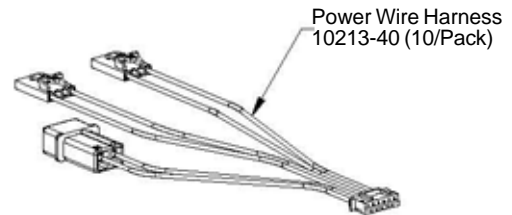
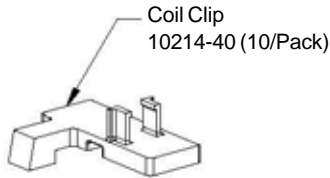
# IntelliValve Models, Options And Accessories (Con't)

## IntelliValve Accessories/Service Parts

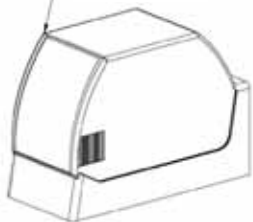
Stock No.	Description
10206-40	Plastic Lever Assy (Includes lever pin)
10207-40	Stainless Lever Assy (Includes lever pin)
10211-40	IntelliFill Stainless Steel Lever Assembly
10218-40	Nozzle (5/Pack)
10212-40	Large O-Ring for Nozzle (10/Pack)
10213-40	Power Wire Harness (10/Pack)
10214-40	Coil Clip (10/Pack)
10217-40	Cover (For Lever Version) (10/Pack)
10233-00	Mounting Block Cover (For Membrane Switch Models)
10208-40	Cover + Water Only Option for Lever
10208-41	Cover + Self Serve Push Button
10208-42	Cover + Self Serve Push Button + Water Only
10208-43	Cover + Portion Control
10208-44	Cover + Portion Control + Water Only
10208-45	Cover + IntelliFill
10208-46	Cover + IntelliFill + Water Only



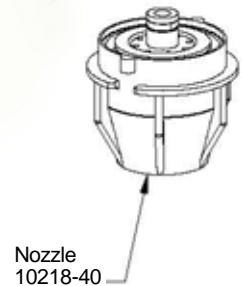
COVER  
(For Membrane Switch)  
10208-40  
10208-41  
10208-42  
10208-43  
10208-44  
10208-45  
10208-46



Cover (For Lever Version)  
10217-40  
(10 OPack)

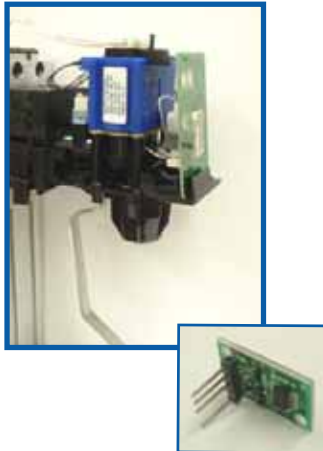


Large O-Ring For Nozzle  
10212-40 (10/Pack)



# IntelliValve Models, Options And Accessories (Con't)

## IntelliValve Flavor Chips



Stock No.	Description
10249-00	Pepsi
10249-01	Diet Generic (Pepsi, Sierra Mist, Mt. Dew, Pepsi One)
10249-02	Mt. Dew
10249-03	Sierra Mist
10249-04	Mug Root Beer
10249-05	Pepsi Wild Cherry
10249-06	Lipton Brisk Tea - Raspberry
10249-07	Lipton Brisk Pink Lemonade
10249-08	Fruitworks Fruit Punch
10249-09	Mt. Dew Code Red
10249-10	Lipton Brisk /Citrus Hill Yellow Lemonade
10249-11	Lipton Brisk Tea - Unsweetened
10249-12	Orange Slice
10249-22	Lipton Brisk Tea - Peach
10249-26	Dr. Pepper
10250-16	7-Up (INT) International Low Flow @ 2.5 oz/sec
10250-17	Orange Mirinda (INT) International Low Flow @ 2.5 oz/sec
10250-18	Pepsi (INT) International Low Flow @ 2.5 oz/sec
10250-19	Diet Pepsi (INT) International Low Flow @ 2.5 oz/sec
10250-20	Mt. Dew (INT) International Low Flow @ 2.5 oz/sec
10250-27	Sierra Mist (INT) International Low Flow @ 2.5oz/sec

### IntelliValve Brand Flavor Chips Made-To-Order Options

Stock No.	Description
10261-05	Your choice of 5 assorted flavor chips from above list
10261-07	Your choice of 7 assorted flavor chips from above list
10261-08	Your choice of 8 assorted flavor chips from above list
10261-09	Your choice of 9 assorted flavor chips from above list
10261-10	Your choice of 10 assorted flavor chips from above list
10261-12	Your choice of 12 assorted flavor chips from above list
10261-14	Your choice of 14 assorted flavor chips from above list
10262-00	Compact IntelliValve brand field box. Holds up to 30 assorted flavor chips and labels. (Labels and flavor chips not included)
10262-01	Compact IntelliValve brand field box with 30 flavor chips. Assortment can be your choice or we can supply you with a common assortment of 30 chips.

### IntelliValve Brand Field Box

### IntelliValve Brand Field Box With 30 Flavor Chips

**NOTE: To order a complete valve assembly, you will need to specify the valve stock number, mounting block stock number (if required) and flavor chip stock number (if required).**

# IntelliValve

## Recommended Stocking Levels

***For each central parts depot service location, the following minimum stocking level is recommended per 500 valves installation base in the territory:***

	<b>Stock No.</b>
<b>Five (5) each of base models</b>	
Self Serve Plastic Lever Actuated Model	10201-60
Self Serve Stainless Lever Actuated Model	10205-60
Self Serve Pushbutton Model	10202-60
Portion Control Model	10203-60
IntelliFill Model	10204-60
<b>Two (2) each of covers for water/soda only models</b>	
Self Serve Plastic Lever Actuated Model	10201-61
Self Serve Stainless Lever Actuated Model	10205-61
Self Serve Pushbutton Model	10202-61
Portion Control Model	10203-61
IntelliFill Model	10204-61
<b>Ten (10) each of flavor chips required in territory</b> (Note: See IntelliValve Accessories Page to identify available flavor chips and Stock numbers. Or, we can supply you with a made-to-order assortment of flavor chips based on your location's needs)	
<b>Five (5) each of common accessories:</b>	
Plastic Lever Assembly	10206-40
Stainless Lever Assembly	10207-40
IntelliFill Lever Assembly	10211-40
Nozzle Assembly	10203-40
Plain Covers (For Self Serve Lever Models)	10235-01
Mounting Block	10233-00
<b>One (1) 10 pack each of small accessories</b>	
Large O-Ring For Nozzle	10212-40
Power Wire Harness	10213-40
Coil Clip	10214-40

# IntelliValve

## Recommended Stocking Levels (Con't)

*For each service vehicle, the following minimum stocking level is recommended:*

Stock No.

**One (1) each of base models**

Self Serve Plastic Lever Actuated Model	10201-60
Self Serve Stainless Lever Actuated Model	10205-60
Self Serve Pushbutton Model	10202-60
Portion Control Model	10203-60
IntelliFill Model	10204-61

**One (1) flavor chip field box per each maintenance vehicle containing Fifty (50) flavor chips per field box** (note: Deltrol Controls will supply an assortment of chips based on your made to order request at time of order. See IntelliValve Accessories Page to identify available flavor chips and Stock numbers. Or we can supply you with a common assortment of 50 chips) 10262-01

**One (1) each of common accessories:**

Plastic Lever Assembly	10206-40
Stainless Lever Assembly	10207-40
IntelliFill Lever Assembly	10211-40
Nozzle Assembly	10203-40
Plain Covers (For Self Serve Lever Models)	10235-01
Mounting Block	10233-00

**One (1) 10 pack each of small accessories**

Large O-Ring For Nozzle	10212-40
Power Wire Harness	10213-40
Coil Clip	10214-40

# IntelliValve - Warranty

The IntelliValve warranty is for a period of 18 months from the date of manufacture. If a valve is found defective, Deltrol Controls will supply replacement product and/or correct any workmanship found in the defective products.

Each valve assembly has a product identification label with information that includes a date code. If you wish to know the date code or other product information, remove the cover and the identification label is affixed to the blue coil. The label installed after each valve successfully passes a series of strict functional tests in Deltrol Control's manufacturing facility. The date code is the third line of the identification label as shown in the picture



The date code is an 11-digit number that provides complete traceability to date of manufacture. The first 5 digits of this number identify day and year of manufacture. For example, a date code of 05204A10032 would define the 52nd day of 2004 or February 21, 2004.

If you wish to make a warranty claim, please contact Deltrol Controls – Customer Service – Pepsi. A return goods authorization (RGA) number will be issued to ship the part back to Deltrol Controls facility in Milwaukee, WI. Upon receipt, Deltrol Controls will promptly analyze the returned part and issue a credit to your organization if product is found to be defective.

Your assistance in returning defective valves will be greatly appreciated. Pepsi-Cola and Deltrol Controls wish to analyze every possible field defect to support continuous improvement in the pursuit of trademark drink quality excellence.



**For additional information, questions, or service including return goods authorization contact Deltrol Controls - Customer Service - Pepsi-Cola by phone, fax, or e-mail listed below.**

**Phone: (414) 671-6800**

**Fax: (414) 671-6809**

**E-mail: [pepsi-service@deltrol.com](mailto:pepsi-service@deltrol.com)**

**Website: [www.deltrol.com/controls](http://www.deltrol.com/controls)**

**IntelliValve Designed, Manufactured, and Distributed  
For Pepsi-Cola By:**

**DELTROL**  
*controls* |  DIVISION OF DELTROL CORP.