



Users Guide



IMPORTANT

The R_xecon is a fully automated distilled water dispenser for reconstituting oral antibiotics. This users guide was developed to ensure you will enjoy many years of trouble-free operation. It contains information on operating and maintaining your R_xecon dispenser.

Please carefully read the entire manual before using R_xecon for the first time.

CAUTION

Only use distilled water. R_xecon has been designed exclusively for distilled water.

Always keep the cap on the reservoir. To avoid water contamination and a malfunction of the delivery mechanism, the reservoir must be free of dust, particules and fibers.

Always empty and unplug the unit before attempting to move R_xecon.

Always replenish the reservoir with special care to avoid spilling distilled water within the unit. Failure to do so could result in damage to the internal components.

Clean the unit reservoir and the flow-thru cylinder every month (see page 11 for detailed instructions).

HELP

If you ever have a question concerning your R_xecon or if you need service, feel free to call:

Seriner Inc. Tel: 1-866-667-7353

Fax: 450-267-0717

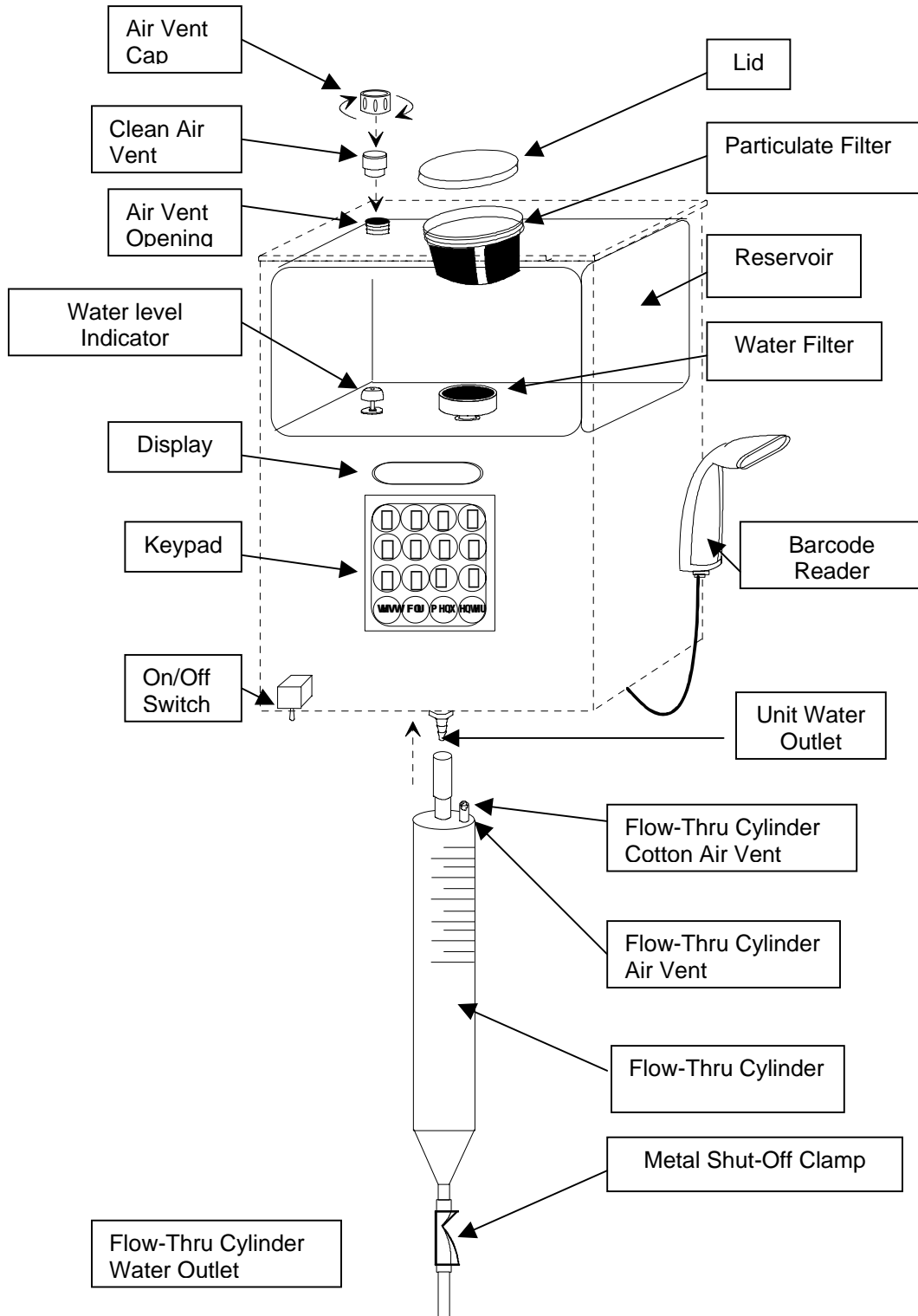


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INSTALLATION

Your R_xecon unit was shipped with an installation kit that contains the following:

- wall bracket and screws for mounting the R_xecon
- flow-through cylinder
- small piece of cotton
- bar code scanner
- AC cord
- particulate filter
- graduated cylinder (required for calibration)
- cleaning hose (for emptying the reservoir)

Choose the appropriate location to install the R_xecon unit. Make sure that you have enough room to easily fill and refill the reservoir and to comfortably prepare the prescription. Handle the unit carefully when proceeding.

Installing the R_xecon unit

- 1 install the plastic holder bracket accordingly. The holder has to be affixed strongly to support the weight of the unit at its maximum capacity (16 pounds when filled with 4.0 litres of distilled water).
- 2 slide the unit onto the holder from the top to the bottom. Make sure the unit is level.
- 3 loosely insert a small piece of cotton into the air vent, to prevent dust and foreign matter from entering the flow thru cylinder.
- 4 connect the bar code scanner to the jack under the unit
- 5 connect the AC cord under the unit and plug in
- 6 turn the R_xecon on by using the switch under the unit and turn the bar code scanner on by pressing the button on the scanner. Then follow the pre-setting instructions on the following page.

Pre-setting

After unit installation, you must **fill** the reservoir with distilled water, **purge** the supply line and **calibrate** the unit.

PURGING

To remove air from the unit and assure accurate delivery, connect the flow thru cylinder and activate the unit as follows :

	Command	LCD display shows
	<i>from the main screen display</i>	[1= MANUAL 2= SCAN]
1	press < MENU >	[1=NEW 2=CHANGE]
2	press < + >	[Any key to EMPTY]
3	press any key, let the unit run for 20 seconds. While the water is running, squeeze the hose between the outlet and the flow thru cylinder to remove air bubbles.	[Any key to STOP]
4	press any key to stop	
5	press < CLR > to return to main screen !!! IMPORTANT !!! this step must be done	[1=MANUAL 2=SCAN]

CALIBRATING

****IMPORTANT** Fill the reservoir full of distilled water before calibrating and make sure the flow thru cylinder is empty.**

The R_xecon unit must be calibrated after any of the following: Installation, servicing, cleaning or when its reservoir becomes completely empty.

	Command	LCD display shows
	<i>from the main screen display</i>	[1= MANUAL 2=SCAN]
1	press < TEST >	[TAKE SAMPLE 1 = OK]
2	press < 1 >	[SAMPLING.....]
3	when delivery is completed, pour the water into the graduated cylinder,	[Entr TST ML.....]
4	enter the precise quantity as measured by the graduated cylinder (example: 79.8 mL. Enter the fractional amount even if it is 0). Unit will beep if the decimal point is not added	[. decimal point] [1= MANUAL 2=SCAN]

Perform the following test using manual mode to ensure the calibration is precise. Request 100mL in one portion and verify with your graduated cylinder. If the reading is not accurate, restart calibration and ensure you enter the precise quantity shown by your graduated cylinder.

Note: Imprecise data entry during the calibration step will result in imprecise delivery by R_xecon.

Manual Mode

In manual mode, you must manually enter the required information to obtain the correct quantity of distilled water required for your prescription.

	Command	LCD display shows
	From the main screen	[1=MANUAL 2=SCAN]
1	press < 1 >	[Enter ML]
2	enter the ML required by the product label (if less than 100 ml press < ENTER > when done)	[XXX ML? ENT/CLR] shows what you have entered
3	press < ENTER > if your ML entry is correct (or < CLEAR > if incorrect and enter the correct amount.)	[Portion ? 1 or 2]
4	enter into how many portions you would like the delivery, 1 or 2. press < 1 > to supply 100% of the portion press < 2 > to supply the first portion at 80% and the second portion at 20%.	[DELIVERING...]
5	if 2 portions were asked for and the first portion has been delivered press < ENTER > to deliver the remaining 20 %	[For 2nd -> ENTER] [XXX ML X PORTION]
6	press < CLR > to return to main screen	[1= MANUAL 2= SCAN]
O P T I O N	an alarm can be activated to remind the user that a second portion needs to be delivered. -press < MENU > twice -press < 1 > to unabled the alarm -press < 2 > to disable	[Prtn Beep 1 = Y, 2 = N]

Scan Mode

R_xecon is shipped pre-programmed with a pre-loaded product database.

In Scan Mode, R_xecon recognizes the product through use of the product-specific UPC bar code and delivers the corresponding volume of distilled water required (in either one or two portions) as indicated on the product label.

In Scan Mode the user has the ability to:

- enter new products
- modify an existing product
- remove a product from the database

	Command	LCD Display shows
	<i>from the main screen</i>	[1=MANUAL 2=SCAN]
1	press < 2 >	[SCAN PRODUCT...]
2	scan the product UPC until you hear a BEEP *if the scan is not activated within 8 seconds the LCD display will return to the main menu	[DELIVERING....] [1=MANUAL 2=SCAN]
3	if the data in the database suggests 2 portions for this product, 80% of the required ML will be delivered	[For 2nd -> ENTER]
4	press < ENTER > to deliver the remaining 20% an alarm can be activated to remind users that a second portion needs to be delivered. -press < MENU > twice -press < 1 > to unable the alarm -press < 2 > to disable	[XXX ML X PORTION] [Prtn Beep 1=Y, 2=N]
5	press < CLR > to return to the main screen	[1=MANUAL 2=SCAN]
6	if the scanned product is not in the database	[NOT IN DATABASE]
7	to enter the product press < MENU >	[SCAN PRODUCT...]
8	scan the product UPC until you hear a BEEP	[Enter new ML]
9	enter the ML required by the product label just scanned (if less than 100 ml press < ENTER > when done)	[Portion ? 1 or 2]
10	enter how many portions you would like for delivery, 1 or 2. press < 1 > to supply 100% of the portion press < 2 > to supply the first portion at 80% and the second portion at 20%.	[...DONE...] and then [1=MANUAL 2=SCAN]

ENTERING A NEW PRODUCT:

	Command	LCD display shows
	<i>from the main screen</i>	[1=MANUAL 2=SCAN]
1	press < MENU >	[1=NEW 2=CHANGE]
2	press < 1 >	[SCAN PRODUCT...]
3	scan the product UPC bar code until you hear a BEEP	[Enter new ML]
4	enter the ML required by the product label just scanned (if less than 100 ml press < ENTER > when done)	[Portion ? 1 or 2]
5	enter how many portions you would like for delivery, 1 or 2. press < 1 > to supply 100% of the portion press < 2 > to supply the first portion at 80% and the second portion at 20%.	[...DONE...] and then [1=MANUAL 2=SCAN]
6	if the product is already in the database	[!PRODUCT EXISTS!]
7	press < CLR > to return to the main screen	[1=MANUAL 2=SCAN]

NOTE: The maximum number of unique products that can be entered into the database is 256. Entering more than this amount will produce a [**Database is full**] message on the LCD display. Press < CLR > to return to the main screen display.

MODIFYING AN EXISTING PRODUCT:

	Command	LCD display shows
	<i>from the main screen</i>	[1=MANUAL 2=SCAN]
1	press < MENU >	[1=NEW 2=CHANGE]
2	press < 2 >	[SCAN PRODUCT...]
3	scan the product UPC bar code until you hear a BEEP	[XXX ML X PORTION] This is the ML and Portion found in database
4	press < MENU >	[Enter new ML]
5	enter the new ML required by the product label just scanned (if less than 100 ml press < ENTER > when done)	[Portion ? 1 or 2]
6	enter how many portions you would like for delivery, 1 or 2. press < 1 > to supply 100% of the portion press < 2 > to supply the first portion at 80% and the second portion at 20%.	[...DONE...] and then [1=MANUAL 2=SCAN]

REMOVING A PRODUCT:

	Command	LCD display shows
	<i>from the main screen</i>	[1=MANUAL 2=SCAN]
1	press < MENU >	[1=NEW 2=CHANGE]
2	press < 2 >	[SCAN PRODUCT...]
3	scan the product UPC bar code until you hear a BEEP	[XXX ML X PORTION] This is the ML and Portion found in database
4	press < MENU >	[Enter new ML]
5	enter < 0 > for NEW ML and press < ENTER >	[Portion ? 1 or 2]
6	enter < 0 > for NEW PORTION	[...DONE...] and then [1=MANUAL 2=SCAN]

ERROR

If an error has been made you will be notified by two (2) BEEPS and/or the LCD will display [***Input error xxx***] for 2 seconds. The display will then return to where the error occurred to allow you to re-enter the data.

Unit Refill Indicator

If the reservoir becomes low on liquid the LCD display will FLASH [***!! Water low !!***] until the reservoir is refilled. No other functions can be performed until the reservoir is replenished.

CHANGE THE LCD LANGUAGE

	Command	LCD display shows
	From the main screen	[1=MANUAL 2=SCAN]
1	press < menu > twice	[Prtn Beep 1 = Y, 2 = N]
2	press < + > for English	[1=MANUAL 2=SCAN]
	press < - > for French	[1=MANUAL 2=SCAN]

Maintenance

Your new R_xecon is designed to give you many years of dependable service. However, there are a few things you are expected to do to maintain the units' efficiency:

- **Only use distilled water.**
- **Always keep the cap on the reservoir. To avoid water contamination and a malfunction of the delivery mechanism the reservoir must be free of dust particles and fibers.**
- **Always replenish the reservoir with special care to avoid spilling distilled water within the unit. Failure to do so could result in damaging internal components.**
- **Clean the reservoir and the flow thru cylinder every month as follows:**

TO CLEAN:

The reservoir should be cleaned monthly with a diluted bleach solution mixed in the following ratio: 1 teaspoonful (5mL) per 1500mL of distilled water or 3 teaspoonfuls (15mL) per gallon of distilled water.

1. Turn the power to the unit off.
2. Fill the reservoir with a one-gallon mixture of the diluted bleach solution as indicate above.
3. Let the solution sit in the reservoir for 15-minutes for proper cleaning.
4. Turn the unit back on, connect the cleaning hose at the outlet of the flow thru cylinder, and open the clip.
5. Empty the reservoir by performing the following steps:

TO EMPTY THE RESERVOIR:

	Command	LCD display shows
	<i>from the main screen display</i>	[1= MANUAL 2= SCAN]
1	press < MENU >	[1=NEW 2=CHANGE]
2	press < + >	[Any key to EMPTY]
3	press ANY KEY let it run until it's three quarters empty	[Any key to STOP]
4	press < CLR > to return to main screen !!! IMPORTANT !!! this step must be done	[1 =MANUAL 2=SCAN]

6. Rinse the unit twice(2x) by filling and emptying the reservoir with distilled water (as above).
7. After rinsing, the unit is now ready to be put back into use. Re-fill the reservoir with distilled water. (Note: the unit needs to be re-purged and re-calibrated.)
8. Purge the system by following steps on page 4.
9. Calibrate the system by following steps on page 4.
10. The unit is now ready to be used again for reconstitution.

Warranty

WARRANTY	Serinor Inc. WILL COVER:	Serinor inc. WILL NOT COVER:
One Year Full Warranty on R_xecon unit : From date of purchase	Replacement parts and repair labour costs to correct defects in materials <u>with the exception of the flow-thru-cylinder.</u>	Any damage resulting from: A. Flow-thru cylinder manipulation B. improper installation C. inadequate use of the unit D. using liquid other than distilled water in the reservoir E. dust or fibers within the reservoir F. accident, alteration, abuse G. repairs to parts or systems caused by unauthorised modifications made to the unit
One Year Full Warranty on Bar code scanner: From date of purchase	Replacement parts and repair labour costs to correct defects in materials	

Specifications

Dimensions	Height	Length	Width
Without the graduated cylinder	15.250"	10.250"	5.625"
With graduated cylinder	30.750"	10.250"	5.625"
Reservoir capacity	4.0 litres		
Operating voltage	115 volts AC	60 HZ	500 M.A..
Delivery capacity	8ml / sec	80 ml / 10 sec	
Weight			
empty	6	pounds	
with reservoir full	16	pounds	