

Compat[®]

ENTERAL DELIVERY SYSTEM

Operating Instructions

199255 COMPAT DualFlo[®]
Enteral Delivery Pump

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NOT FOR PARENTERAL USE
INTENDED EXCLUSIVELY FOR
ENTERAL TUBE FEEDING AND
PATIENT HYDRATION.

For More Information

Contact your local Nestlé HealthCare
 Nutrition Sales Representative or call
 Customer Service from anywhere in the
 U.S. and Canada at 1-877-338-4238.

<p>Pump is not intended for neonatal use. Caution: Federal law restricts this device to sale by or on the order of a physician.</p>

The COMPAT DualFlo® Enteral Delivery Pump is an easy to use, versatile device for the administration of all enteral feeding solutions. Key features of this device include:

Patient hydration with automatic flush

Patient hydration needs are facilitated by administering up to 500 mL of water over a selected time interval (in hours). Time interval is adjustable in 1 hour increments from 2 to 12 hours. In addition, the final 25 mL of water is automatically flushed through the line just before the conclusion of the time interval.

Formula dilution

Provide formula dilution when necessary by selecting Formula Strength. Formula can be delivered at full strength (FS), or diluted to $\frac{3}{4}$, $\frac{2}{3}$, $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ strength, or **H₂O** (all water delivery, no formula).

Programmable Flush after Dose is Delivered

Deliver up to 500 mL of water in a programmable water delivery to hydrate the patient or flush the line after the formula dose limit is delivered. Water is delivered at a fixed rate of 375 mL/hr:

Delivery Set Security Doors

Reduces the likelihood of accidental dislodgment of sets and enables immediate detection of a free flow condition.

Automatic priming

Automatic priming of formula and water through the administration set allows nurse time to perform other bedside duties and may help reduce wasted sets due to improper manual priming.

Versatility

- Formula rate adjustable in 1 mL/hr increments from 1–295.
- Dose Limit adjustable in 1 mL/hr increments from 1–2000.
- Formula Strength options include **FS** (Full Strength), $\frac{3}{4}$, $\frac{2}{3}$, $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ strength, or **H₂O** (water only).
- Water volume adjustable in 1 mL/hr increments from 0–500.
- Time Interval adjustable in 1 hour increments from 2 to 12 hours, with programmable flush available as dose is delivered.
- Ability to select basic full strength formula delivery when water delivery options are not desired.

Lifetime memory retention

Infusion Rate, Dose Limit, Formula Strength, Water Volume Set, Time Interval, Formula and Water Volume Delivered, and Accumulated Volume are automatically recalled when the pump is turned back on.

Audio and visual alarms when pump is turned on:

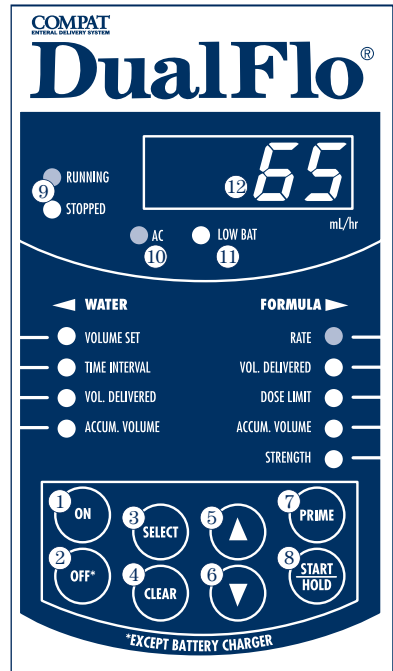
- Feed Error for detecting empty container or occluded line
- 2½ minute Hold Alarm if user forgets to start the pump
- Dose Delivered
- Low Battery
- No Set

Designed for ease of use

- Large LED display window; alternates displaying delivery rate and volume delivered when pump is running.
- Dose Limit for Intermittent Feeding with choice of 3 dose complete alarm modes.
- Ability to quickly view formula and water settings without interruption of feeding.
- Adapter Cap Holder.
- Smooth surface of pump makes cleaning easy.
- Lightweight and portable, the pump is 7pounds and can clamp to any IV pole.
- Adjustable Alarm Volume Control knob.
- 8-hour battery life.
- Self-diagnostic mode allows for complete circuitry check when pump is turned on.

Keypad Controls

1. **ON**, turns power on, memory recalls previous settings.
2. **OFF**, turns power off, battery charges when plugged in to an electrical outlet.
3. **SELECT**, selects a delivery function to display and/or change.
4. **CLEAR**, clears displayed value of selected function to 0. (If **RATE** is selected, pressing and holding **CLEAR** for 4 seconds will reset all parameters to default settings.)
5. ▲ increases flow rate, dose limit, formula strength, water volume set, or time interval when pressed. Change is more rapid when pressed and held.
6. ▼ decreases flow rate, dose limit, formula strength, water volume set, or time interval when pressed. Change is more rapid when pressed and held.
7. **PRIME**, automatically primes both formula and water through the administration set.
8. **START/HOLD**, starts and/or holds pump operation. **HOLD** is used to temporarily stop feeding, or silence an alarm condition. Parameters can only be changed when pump is in **HOLD** mode. An audio and visual alarm is activated if the pump has been in **HOLD** mode for 2 1/2 minutes. Press **START/HOLD** to resume normal operation.

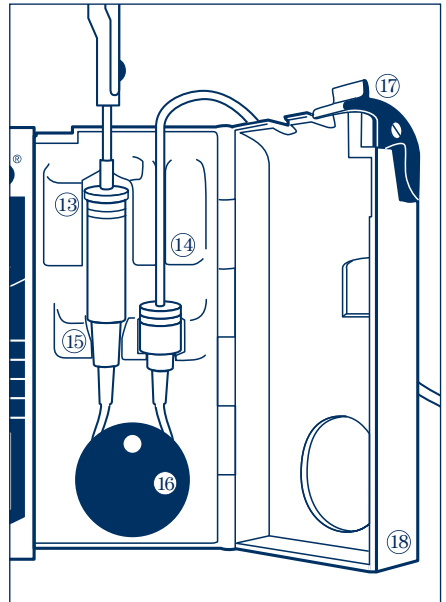


Function Displays

9. **RUNNING, STOPPED**, indicates status of the pump when power is on.
10. **AC**, indicates the unit is plugged into an electrical outlet.
11. **LOW BAT**, indicates when the battery charge is below performance level.
12. **Display panel**, indicates selected parameter.

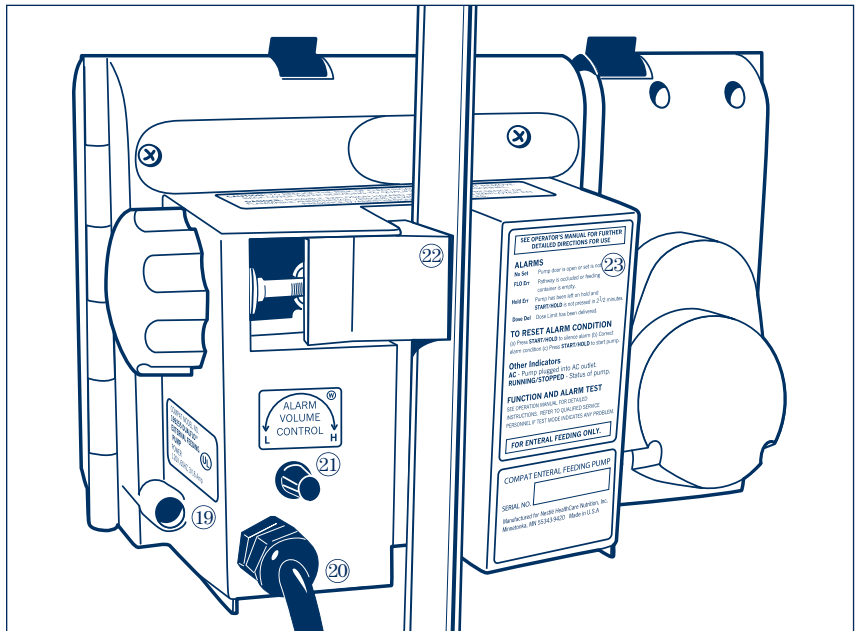
Front of the pump

13. Flow Sensors and Drip Chamber Guide
14. Tubing Guide
15. Drip Chamber Brackets
16. Rotary Peristaltic Pump Mechanism
17. Door Latch
18. Delivery Set Security Door



Back of the Pump

19. Set Adapter Cap Holder
20. Power Cord
21. Alarm Volume Control
22. Pole Clamp
23. Directions



Formula Side Displays

24. **RATE**, displays the formula infusion rate. Select from 1–295 mL/hr in 1 mL increments.
25. **VOL. DELIVERED**, displays full strength or diluted formula volume delivered.
26. **DOSE LIMIT**, displays dose limit. Select from 1–2000 mL in 1 mL increments. Dose is completed when Volume Delivered equals the Dose Limit set. Refer to Dose Delivered under Alarms/Indicators. If **nOnE** is displayed, this feature is deactivated.
27. **ACCUM. VOLUME**, displays full strength or diluted formula volume delivered over multiple feedings.
28. **STRENGTH**, (Formula Dilution) displays formula strength to be delivered. Select from **FS** (Full Strength), $\frac{3}{4}$, $\frac{2}{3}$, $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ strength, or **H₂O** (water only).

Water Side Displays

29. **VOLUME SET**, displays the volume of water to be delivered over the selected Time Interval or at the end of the dose limit. Select from 0–500 mL in 1 mL increments.
30. **TIME INTERVAL**, displays the time interval (2 to 12 hours in 1 hour increments) over which the selected water volume is delivered. When doSE is displayed, indicates Programmable Flush is activated. When **nOnE** is displayed, all water side settings are deactivated.
31. **VOL. DELIVERED**, displays amount of selected water volume that has been delivered. At the conclusion of the Time Interval selected, the Volume Delivered turns to 0 and a new accumulation begins.
32. **ACCUM. VOLUME**, displays water volume delivered over multiple Time Intervals.

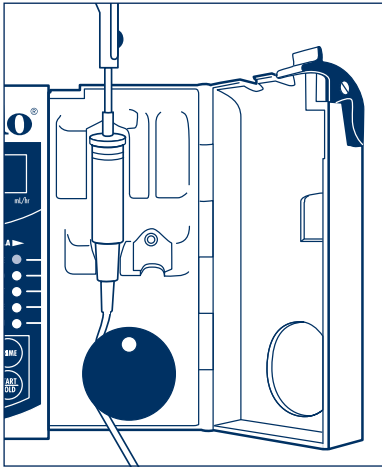


DIAGRAM 1

Open pump doors by pulling door latch, insert pump set drip chamber into drip chamber bracket.

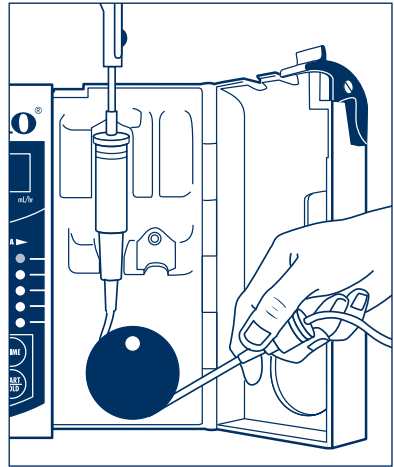


DIAGRAM 2

Assemble silicone tubing around rotor.

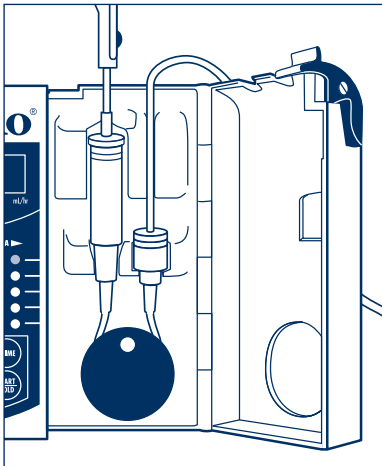


DIAGRAM 3

Insert pump adapter into bridge and place tubing into tubing guide. Close and latch delivery set security door.

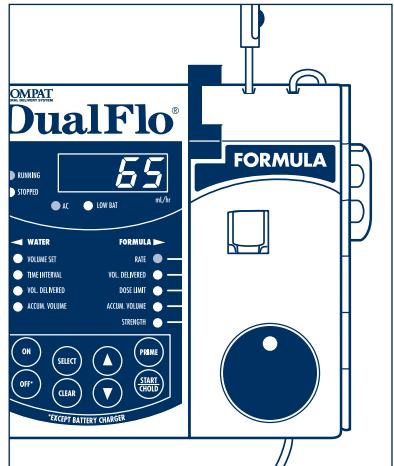


DIAGRAM 4

Completely assembled pump set. Check or change Pump Settings to prepare enteral delivery.

Detailed Operating Instructions

Attach pump to IV pole using built-in pole clamp. Plug power cord into a 120 VAC, 60 Hz, three wire grounded electrical outlet if available.

Prepare COMPAT DualFlo® Delivery Set

1. Close both roller clamps on delivery set prior to setup. Prepare and hang DualFlo delivery set from an IV pole.
2. Open delivery set security doors by pulling the latch on each door.
3. Insert water drip chamber into water side drip chamber bracket, and formula drip chamber into formula side drip chamber bracket.
4. Carefully stretch water set silicone tubing around rotor. Insert pump adapter into bridge. Place tubing into tubing guide, close and latch delivery set security door.
5. Repeat step 4 with formula side delivery set.

Check pump settings

1. Press **ON**- alarm sounds briefly and displays **8888**. The pump has memory and displays previous settings, and returns to flashing Flow Rate on the display panel.

Note: Changes can only be made to parameters at the START of a new feeding protocol to avoid improper water delivery. To facilitate this safety feature, parameters can only be changed when amount displayed in Vol. Delivered is 0.

If desired, clear Vol. Delivered or reset all parameters to default settings by pressing and holding CLEAR for 4 seconds when Rate is displayed.

2. **Check Formula Volume Delivered.** Press **SELECT** until Vol. Delivered is displayed. If desired, reset to 0 by pressing **CLEAR**. This also resets Water Volume Delivered to 0. (Accumulated Volume is not affected.)
3. **Check Dose Limit.** Press **SELECT** until Dose Limit is displayed. To change, press **▲** (increase) or **▼** (decrease). For continuous feeding where no dose limit is desired, press **▼** until **nOnE** is displayed.
4. **Check Formula Accumulated Volume.** Press **SELECT** until Accum. Volume is displayed. If desired, reset to 0 by pressing **CLEAR**.

Formula Strength (dilution)

- To dilute formula**, press **SELECT** until strength is displayed. Press **▲** or **▼** to set desired formula strength. Options available are **FS** (Full Strength-no formula dilution), $\frac{3}{4}$, $\frac{2}{3}$, $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ strength, or **H₂O** (water only).

In steps 6–8, you have the option to select Hydration with Automatic Flush or Programmable Flush after dose is delivered.

Hydration with automatic 25 mL flush

Administers water with formula over a selected time interval during continuous feeding, concluding with an automatic 25 mL water flush.

- To set water volume**, press **SELECT** until Volume Set is displayed. Press **▲** or **▼** to set the desired volume of water to be delivered. Adjustable in 1 mL increments from 0–500 mL.
- To select time interval**, in hours, press **SELECT** until Time Interval is displayed. Change by pressing **▲** or **▼**. Adjustable in 1 hour increments from 2 to 12 hours. **MAXIMUM WATER DELIVERY IS 75 ML PER HOUR UP TO A MAXIMUM OF 500 ML.** (See page 13 for maximum water volume setting at specific time intervals.) **The final 25 mL of water is automatically flushed through the line before the conclusion of the selected time interval.**

Programmable Flush after dose is delivered

Selected water volume delivered after the formula dose limit is delivered. (For this feature, water is delivered at a fixed rate of 375 mL/hr.)

- Follow steps 6 and 7. At Volume Set, enter the desired volume of water to be delivered. When Time Interval is selected, press **▲** until **doSE** is displayed. **The amount in Volume Set is delivered after formula dose limit is reached.**

To deactivate Hydration and Programmable Flush, at Time Interval, press **▲** until **nOne** is displayed.

- Check Water Volume Delivered.** Press **SELECT** until Vol. Delivered is displayed. This will be reset to 0 when Formula Vol. Delivered is cleared (see step 2).
- Check Water Accumulated Volume.** Press **SELECT** until Accum. Volume is displayed. If desired, reset to 0 by pressing **CLEAR**.
- Check Infusion Rate.** Press **SELECT** until Rate is displayed. To change, press **▲** or **▼**.

Auto Priming

Automatic priming results in a small amount of fluid being discharged beyond the delivery set adapter.

12. Open both roller clamps on the delivery set. Remove the luer adapter cap from the delivery set, and place the cap in the luer adapter cap holder available on the pump.
13. Press **PRIME** for automatic priming of the delivery set. The Pump displays a series of P's during the prime cycle and the rotor begins to turn. Formula is primed first, then water (if necessary) through the delivery line. **This fluid is not counted in Vol. Delivered.** The prime cycle completes in approximately 3 minutes. An audible alarm sounds when priming is complete, the pump goes to Hold mode, and the Flow Rate flashes.

Begin Feeding

1. Connect delivery set adapter to the patient's enteral feeding tube.

CAUTION: Verify enteral tube placement before beginning feeding.

2. Press **START/HOLD** to begin enteral feeding. The Pump primarily displays the flow rate. It briefly displays the formula volume delivered every 7 seconds.
3. Press **START/HOLD** and/or **OFF** to stop the pump at any time (Flow Rate, Dose Limit, Formula and Water Vol. Delivered, Formula and Water Accum. Volume, Volume Set, and Time Interval are retained in pump memory).

Pressing SELECT allows the user to scroll through and view Formula and Water side settings at any time.

Quick Reference

(How to set Flow Rate, Dose Limit, or CLEAR Formula Volume Delivered)

Note: Changes can only be made to parameters at the **START** of a new feeding protocol to avoid improper water delivery. To facilitate this safety feature, parameters can only be changed when amount displayed in Vol. Delivered is **0**.

If desired, clear Volume Delivered or reset all parameters to default settings by pressing and holding **CLEAR** for 4 seconds when Rate is displayed.

To set the Flow Rate

1. Press **SELECT** until Rate is displayed.
2. Enter a new flow rate by pressing **▲** (increase) or **▼** (decrease). Change is more rapid when the key is pressed and held.
3. Adjustable in 1 mL/hr increments from 1–295.

To set the Dose Limit

1. Press **SELECT** until Dose Limit is displayed.
2. Enter a new dose limit by pressing **▲** or **▼**. Change is more rapid when the key is pressed and held.
3. Adjustable in 1 mL increments from 1–2000.
4. For continuous feeding when no dose limit is desired, press **▼** until **nOnE** is displayed.

To clear Volume Delivered and/or Accumulated Volume

If Formula Strength is activated to deliver diluted formula, Formula Vol. Delivered and Accum. Volume Delivered display the TOTAL DILUTED FEEDING (formula AND water) delivered.

1. Press **SELECT** until Vol. Delivered is displayed.
2. Press **CLEAR**.
3. Follow steps 1 and 2, using **SELECT** until Accum. Volume is displayed, and clear if desired.

Any time Formula Vol. Delivered is cleared, Water Vol. Delivered is automatically cleared. Likewise, if Water Vol. Delivered is cleared, Formula Vol. Delivered is automatically cleared.

Accumulated Volume displays full strength or diluted formula volume delivered over multiple dose limit feedings.

Quick Reference (How to set Hydration with Automatic Flush)

Hydration with automatic 25 mL flush

Administers water volume with formula over a selected time interval during continuous feeding. The Time Interval concludes with an automatic 25 mL water flush.

Select Water Volume to be delivered

Hydration with automatic flush is only recommended when Full Strength formula is being delivered. (If used with diluted formula, will result in further dilution of the formula.)

1. Press **SELECT** until Formula Strength is displayed, and press **▲**, if necessary, to display **FS** (Full Strength) formula delivery.
2. Press **SELECT** until Volume Set is displayed.
3. Press **▲** or **▼** until desired water volume is displayed. Adjustments can be made in 1 mL increments from 0–500 mL. Change is more rapid when the key is pressed and held.

Select Time Interval (in hours) over which water volume will be delivered

4. Press **SELECT** until Time Interval is displayed.
5. Press **▲** or **▼**. Time intervals are adjustable in 1 hour increments from 2 to 12 hours.

Maximum water delivery is 75 mL per hour

In the last 5 minutes of the selected time interval, formula delivery stops and the final 25 mL of water is automatically flushed through the line. Water Vol. Delivered resets to 0 after the time interval is completed and the entire water volume has been delivered.

Maximum Hydration Settings

Time Interval (hr)	Maximum Water Volume (mL)
2	150
3	225
4	300
5	375
6	450
7	500
8	500
9	500
10	500
11	500
12	500
DOSE	500

Quick Reference

(How to set Formula Strength, Programmable Flush, or CLEAR Water Volume Delivered)

Formula Strength (Dilution)

1. Press **SELECT** until Formula Strength is displayed.
2. Enter the formula strength required by pressing **▲** or **▼**.
3. Options are **FS** (Full Strength-No formula dilution), $\frac{3}{4}$, $\frac{2}{3}$, $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ strength, or **H₂O** (no formula delivery, only water is delivered).

To clear Volume Delivered and/or Accumulated Volume

Water Volume Delivered is used to monitor water delivered when Hydration with Automatic Flush, or Programmable Flush options are activated.

1. Press **SELECT** until Vol. Delivered is displayed.
2. Press **CLEAR**.
3. Follow steps 1 and 2, using the **SELECT** key to move to Accum. Volume, and clear if desired.

Any time water volume delivered is reset to 0, formula volume delivered is automatically reset to 0. Likewise, when formula volume delivered is reset to 0, water volume delivered is automatically reset to 0.

Water Accumulated Volume is used to monitor the total water volume delivered over multiple time intervals.

Programmable flush after dose is delivered

A set volume of water for hydration or flushing that is automatically administered after the dose limit is delivered at a rate of 375 mL/hr.

1. Press **SELECT** until Volume Set is displayed.
2. Press **▲** or **▼**. The Water Volume is adjustable in 1 mL increments from 0–500. Change is more rapid when the key is pressed and held.
3. Press **SELECT** until Time Interval is displayed.
4. Press **▲** until **doSE** is displayed.

To deactivate Hydration and Programmable Flush (water side settings)

1. At Time Interval, press **▲** until **nOnE** is displayed.
2. Clear Formula Vol. Delivered and Accum. Volume. Set Rate and Dose Limit. Verify formula strength.

When turned on, the COMPAT DualFlo® Enteral Feeding Pump is designed to provide audible and visible alarms under several conditions where desired performance cannot be maintained. Pressing **START/HOLD** after the alarm condition is identified silences the alarm and returns the pump to hold mode. Perform the necessary procedures to correct the alarm condition. Press **START/HOLD** again to resume normal operation.

no Set (No set)

An audible alarm sounds, and **no Set** is displayed. Indicates one of the following conditions:

- A COMPAT DualFlo set is not being used.
- One or both of the delivery set security doors are not closed and latched securely after the **START/HOLD** key has been pressed. Immediately determine if the delivery set has become dislodged from the pump.

Caution: If formula is free flowing, take corrective action immediately. Stop the formula flow using the roller clamps on the delivery set. Monitor patient for signs and symptoms of formula/water over-delivery.

LOW BAT illuminated (Low Battery)

The **LOW BAT** indicator on the display panel comes on 15 minutes before the pump ceases operation due to a low battery condition. After 15 minutes, the indicator flashes, an audible alarm sounds, and the pump stops operation.

Whenever **LOW BAT** is indicated, plug the pump into an electrical outlet, and normal feeding may continue. **The battery recharges anytime the pump is connected to an AC outlet regardless of whether the pump is turned on or off.**

To avoid degrading battery life, it is important not to run down the battery.

FEEd Err (Feed error)

The pump stops, an audible alarm sounds, and **FEEd Err** is displayed.

Possible Condition

1. Water or Formula feeding container is empty
2. An occlusion has caused delivery to stop
3. Drip chamber is overfilled
4. Drip chamber walls are heavily coated with formula
5. Drip chamber bracket sensors need cleaning
6. Drip chamber is improperly placed

Corrective Action

1. Refill container or start new delivery set. Follow instructions to prime the delivery set, and resume feeding
2. Identify point of occlusion and correct
3. Insert new administration set (use automatic priming to avoid “flooding” of drip chamber)
4. Manipulate chamber to clear drops in sensor path
5. Clean sensor with cotton swab and isopropyl alcohol
6. Reposition drip chamber

doSE dEL (Dose delivered)

The pump stops, **doSE dEL** is displayed, and an audible alarm sounds when the pump has delivered an amount of formula equal to the Dose Limit.

Three alarm modes are available when the dose is complete:

- Mode 1—Audible alarm sounds once, then stops
- Mode 2—Audible alarm sounds once, stops, and then alarms at 5 minute intervals
- Mode 3—Audible alarm sounds continuously

To select the desired mode, turn pump off. Then:

1. Turn the pump on by pressing **ON**.
2. 8888 is immediately displayed. While displayed, press and hold the ▲ and ▼ keys simultaneously for 4 seconds.
3. 1, 2, or 3 is displayed, which reflects the corresponding alarm mode (Mode 1, Mode 2, or Mode 3).
4. Select the desired alarm mode by pressing ▲ (increase) or ▼ (decrease).
5. Press **SELECT** to save the new alarm mode. The pump audibly alarms once, verifying the new alarm mode is saved. (If **SELECT** is not pressed, the new alarm mode is not saved.)
6. Press **OFF** to turn the pump off.
7. When the pump is turned back on, it is set to operate with the new alarm mode.

HoLd Err (Hold error)

Pump is left on hold and **START/HOLD** is not pressed within 2¹/₂ minutes. Press **START/HOLD** to silence the alarm, press again to start feeding if desired.

Running/Stopped illuminated

Indicates the status of the pump.

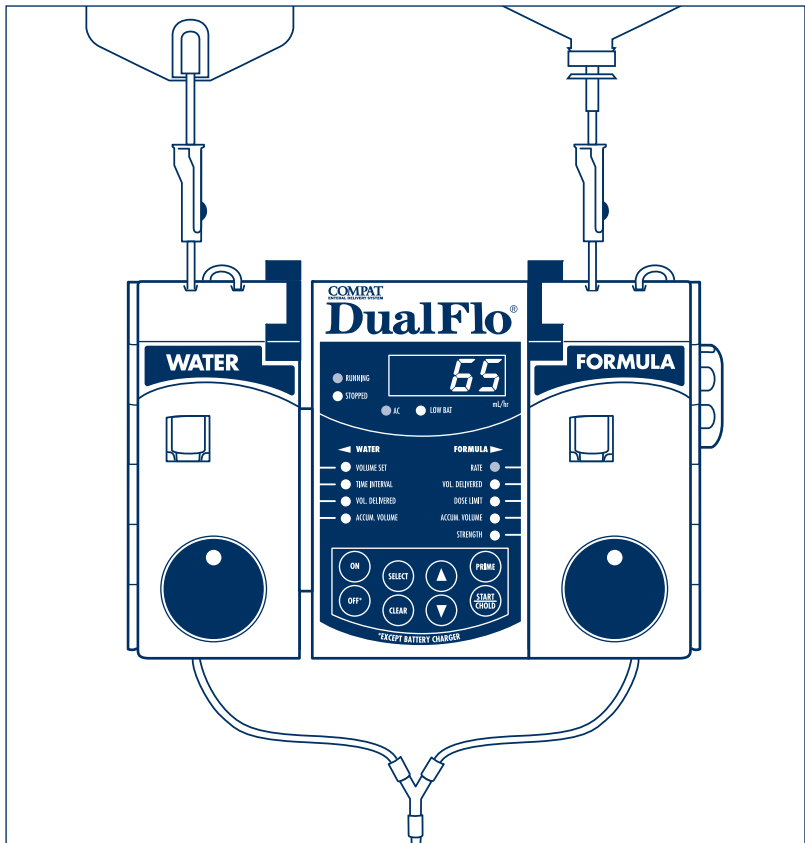
AC illuminated

Indicates the pump is operating on electrical power. Plug power cord into an AC electrical outlet whenever possible. No audible alarm sounds.

Troubleshooting

COMPAT® Enteral Feeding Pumps are reliable electromechanical devices. As with any mechanical device, problems may occur. The following tips will help you correct the minor in-service problems that may arise.

TROUBLESHOOTING GUIDE		
SITUATION	POSSIBLE CAUSE	SOLUTION
<ul style="list-style-type: none"> • Low battery alarm activated • (LOW BAT) illuminated 	<ul style="list-style-type: none"> • Battery charge is below performance level 	<ul style="list-style-type: none"> • Plug cord into AC outlet
<ul style="list-style-type: none"> • (FEEd Err) alarm activated 	<ul style="list-style-type: none"> • Formula or water container is empty 	<ul style="list-style-type: none"> • Replace or refill formula or water container
	<ul style="list-style-type: none"> • Occlusion is restricting flow 	<ul style="list-style-type: none"> • Identify point of occlusion and free up <ul style="list-style-type: none"> - Pump Set <ul style="list-style-type: none"> • kinked tubing • blocked tubing • closed roller clamp - Feeding tube - Feeding container
	<ul style="list-style-type: none"> • Drip chamber not properly placed in pump 	<ul style="list-style-type: none"> • Assemble properly
	<ul style="list-style-type: none"> • Drip chamber walls coated with formula drops or condensation in sensor path 	<ul style="list-style-type: none"> • Manipulate chamber to clear drops or condensation in sensor path
	<ul style="list-style-type: none"> • Flow sensors housing need cleaning 	<ul style="list-style-type: none"> • Clean with cotton swab dampened with isopropyl alcohol
<ul style="list-style-type: none"> • (HoLdErr) Pump is left on hold 	<ul style="list-style-type: none"> • Pump is on hold for more than 2 1/2 minutes 	<ul style="list-style-type: none"> • Press START/HOLD button
<ul style="list-style-type: none"> • (doSE dEL) Dose Complete 	<ul style="list-style-type: none"> • Pump has delivered preset volume 	<ul style="list-style-type: none"> • Clear Volume Delivered and start a new dose
<ul style="list-style-type: none"> • (no SET) alarm activated 	<ul style="list-style-type: none"> • Door not closed and latched 	<ul style="list-style-type: none"> • Examine tubing for proper placement, close door
	<ul style="list-style-type: none"> • Wrong set is used 	<ul style="list-style-type: none"> • Load an appropriate set
	<ul style="list-style-type: none"> • Set is not properly in place 	<ul style="list-style-type: none"> • Assemble tubing properly around pump rotor. Close and latch door.



Delivery Sets

The DualFlo Enteral Delivery Pump offers a choice of delivery sets, including:

- 199407 COMPAT DualFlo® Piercing Spike and 1000 mL Vinyl Water Bag with preattached pump set
- 199447 COMPAT DualFlo® 1000 mL Formula Vinyl Bag and 1000 mL Vinyl Water Bag with preattached pump set
- 199607 Compat® SpikeRight™ Spike Connector and 1000 mL Vinyl Water Bag with Preattached Pump Set.

 Specifications (cont.)

Type of Device	Volumetric enteral feeding pump
Mechanism	Rotary Peristaltic
Infusion Rate	1–295 mL/hr in 1 mL increments
Dose Limit	0–2000 mL in 1 mL increments
Formula Strength	FS (Full Strength), $\frac{3}{4}$, $\frac{2}{3}$, $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, H ₂ O
Water Volume Set	0–500 mL in 1 mL increments
Time Interval	2 to 12 hours in 1 hour increments, dose, none
Water Delivery	375 mL/hr fixed rate when Programmable Flush after Dose Delivered is activated 75 mL per hour maximum water delivery when Hydration with Automatic Flush is activated
Accuracy	+/- 10% of selected flow rate
Occlusion Pressure	Does not exceed 20 p.s.i.
Battery	Sealed lead acid Rechargeable Automatically recharges when connected to an AC outlet Recharge time is 12 hours from complete discharge to full recharge Operating time is 8 hours at 100 mL/hour (fully charged battery) (Charge unit fully every 6 months)
Dimension	6.4" High x 9.75" Wide x 5.0" Deep
Weight	7.0 pounds
Case Material	Fire and impact resistant plastic
Power Requirement	120V \sim , 187 mA, 60 Hz
Operating Temperature	10°–40°C (50°–104°F) 75% R.H. non-condensing
Storage Temperature	0°–50°C (32°–122°F) 95% R.H. non-condensing
Type of Protection Against Electrical Shock	Class 1, Internally-Powered Equipment
Degree of Protection Against Electrical Shock	Type BF
Degree of Protection Against Ingress of Fluids	Ordinary Equipment – IPX0

The following symbols may be found on the pump:



Refer to Accompanying Documents



Alternating Current



Type BF Protection (degree of protection against electrical shock—there is no conductive connection to the patient)

Medical Electrical Equipment



- 1) Classified with respect to electrical shock, fire and mechanical hazards in accordance with UL60601-1
- 2) Classified with respect to electrical shock, fire, mechanical and other specified hazards in accordance with CAN/CSA C22.2 No. 601.1

Self Test

The major functions of the pump may be tested by the following steps:

1. Turn the pump on by pressing **ON**.
 2. **8888** is displayed immediately. While displayed, press and simultaneously hold the **▲** and **▼** keys for 4 seconds. The display changes to either a 1, 2, or 3 (the dose delivered alarm mode).
 3. Press and simultaneously hold the **▲** and **▼** keys again for 4 seconds.
 4. After 4 seconds, an audible alarm will sound, **teSt** is displayed momentarily, and then all eights (**8888**).
 5. The pump rotor should begin to turn. To test the visual alarms, press either **SELECT**, **CLEAR**, **▲**, **▼**, **PRIME**, or **START/HOLD**. When any of these keys are pressed or the sensor is momentarily blocked, all visual alarm indicators should light, an audible alarm sounds, and the rotor will halt momentarily.
 6. Any failure indicates a service check must be performed. See the Factory Service section for instructions on where to send the pump.
 7. Turn the pump off by pressing **OFF**.
-

Factory Service

All service work should be performed by authorized personnel only. If the pump does not function properly:

- Contact your supplier of the COMPAT DualFlo® Enteral Delivery Pump to arrange for Pump return and replacement.
 - If your pump was supplied directly from Nestlé HealthCare Nutrition, contact your Nestlé HealthCare Nutrition Sales Representative or call Customer Service for instructions from anywhere in the U.S. and Canada at 1-877-338-4238 from 8:00 a.m. to 4:30 p.m. CST
 - If it becomes necessary to return a pump for factory service, a replacement pump will be sent to you. Carefully pack the defective pump in the carton the replacement pump arrived in and ship according to instructions given by the Nestlé HealthCare Representative.
 - Unauthorized repairs void warranty coverage (see section on limited warranty).
-

Safety and Warnings

NOT FOR PARENTERAL USE
 INTENDED EXCLUSIVELY FOR
 ENTERAL TUBE FEEDING AND
 PATIENT HYDRATION.

Do not use this device near flammable anesthetics, possible explosion hazard.

This device is designed to minimize the effects of uncontrolled electromagnetic

interference and other types of interference from external sources. Avoid use of other equipment that may cause erratic operation or degradation in the performance of this device.

If the integrity of the external protective conductor in the installation is in doubt, equipment shall be operated from its internal electrical power source.

Nestlé HealthCare Nutrition warrants the COMPAT DualFlo® Enteral Feeding Pump against defects in material and workmanship under normal use and service for a period of one (1) year from date of delivery. This warranty is valid only to the original purchaser and does not extend to any product or part thereof, which has been subjected to accident, abuse, alteration, misuse, or which has not been operated and maintained in accordance with prescribed instructions. This warranty shall not apply if the product has been repaired by anyone other than an authorized service representative

of Nestlé HealthCare Nutrition.

Nestlé HealthCare Nutrition reserves the right to repair or replace (at its option) any pump which fails to meet the foregoing warranty.

This warranty is in lieu of all other warranties expressed or implied including, without limitation, warranties of merchantability and of fitness for a particular purpose.

Cleaning

Routine cleaning of the COMPAT DualFlo® pump should be an ongoing process in order to ensure maximum performance.

Caution

Always disconnect the pump from an electrical outlet before cleaning to avoid electric shock hazard.

Clean the pump housing and rotor regularly using a cloth or sponge with warm soapy water. (Prolonged exposure to alcohol, household detergents or strong cleansers can result in damage to pump housing.)

Clean drip sensors with a cotton swab and isopropyl alcohol.

Do not autoclave. Do not immerse pump in cleaning solutions.

Disinfecting

If it is necessary to disinfect the entire pump, the following is recommended:

General Disinfectants

Cidex® (Advanced Sterilization Products)
pHisohex® (Winthrop-Breon Lab.)
Hibiclens® (Stuart Pharmaceuticals)
Isopropyl alcohol

AIDS and Hepatitis Disinfectants

10% concentration of 5.25% sodium hypochlorite (household bleach)

Tuberculosis Disinfectants

70% concentration of isopropyl alcohol

After application of these disinfecting agents, allow to air dry. These recommendations should not be substituted for official procedures that may differ among institutions. To determine the proper procedure in a particular institution, contact the Infection Control Department.



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