

ON-Q® PUMP INSERT (MODEL SPECIFIC INFORMATION)

**ON-Q**® with **ONDEMAND**™



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## IMPORTANT INFORMATION

This insert is *supplemental* to the ON-Q Pump Directions for Use (DFU), which contains additional information on usage of the ON-Q Pump, including Indications/Contraindications as well as Cautions and Warnings regarding patient/user's safety.

Please read the entire insert before operating the ON-Q with ONDEMAND device. Follow all instructions carefully to ensure the safety of patient and/or user.

## WARNINGS

1. Total Flow Rate refers to bolus + basal rate. To reduce potential adverse effects, medication dosing should be based on the Total Flow Rate.
2. The red tab must be removed before use. If red tab is not removed before use or breaks while removing, the bolus button will not work and flow rate may increase significantly above the Total Flow Rate.
3. If the bolus button does not pop back up within 30 minutes after delivering a bolus, then close the clamp. The button may be stuck and flow rate may increase significantly above the Total Flow Rate.

## CAUTIONS

1. Do not underfill. Underfilling the pump may significantly increase the flow rate.
2. Do not add an unvented filter to end of the administration set as this may impede or stop flow rate.
3. Do not remove the red holding tab until the tubing is completely primed. Up to a 5 ml bolus of air may be delivered if not primed correctly.
4. The ONDEMAND should be worn outside clothing and kept at room temperature. Temperature will affect solution viscosity, resulting in faster or slower flow rate. ONDEMAND has been calibrated using Normal Saline (NS) as the diluent and room temperature (22°C, 72°F) as the operating environment. Flow rate will increase approximately 1.4% per 1°F/0.6°C increase in temperature and will decrease approximately 1.4% per 1°F/0.6°C decrease in temperature.

## INDICATIONS FOR USE

Refer to the ON-Q Pump Directions For Use for complete information.

## CONTRAINDICATIONS

ON-Q with ONDEMAND is not intended for use with ON-Q Soaker® catheters because they could prevent the proper functioning of the ONDEMAND device.

Refer to the ON-Q Pump Directions For Use for complete information.

*This document includes specific instructions for ON-Q® pump models  
with the **ONDEMAND™** device only.*

**IMPORTANT:**

**Start by reading the ON-Q Pump Directions For Use,  
then continue with this document.**

## DESCRIPTION OF DEVICE

ON-Q with ONDEMAND incorporates a bolus device. The ONDEMAND delivers a continuous infusion (basal) and allows fixed boluses to be delivered on demand by patient or health care provider.

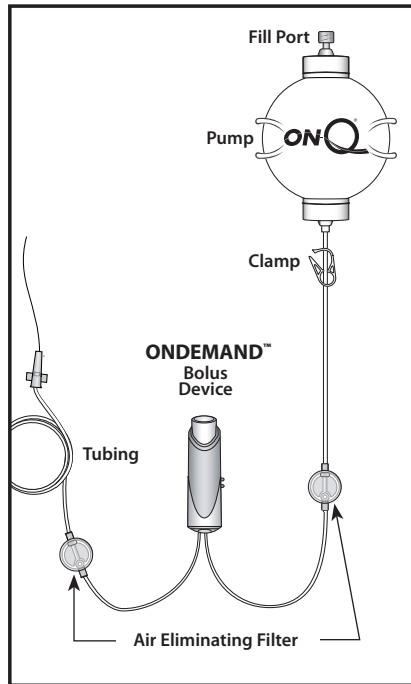


Figure A

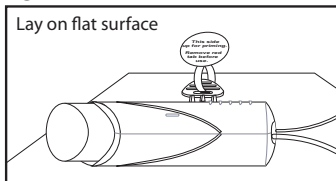
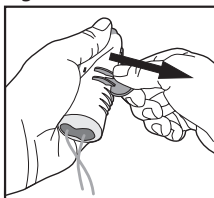


Figure B



Right Way

Figure C



Wrong Way

Figure D

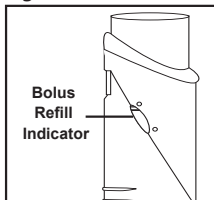
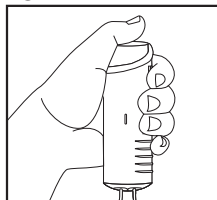


Figure E



**NOTE:** Refer to the ON-Q Pump Directions For Use for information on filling the pump and other usage instructions.

## PRIMING THE ADMINISTRATION SET

*Use Aseptic Technique*

**CAUTION:** Do not remove the red holding tab until the tubing is completely primed. Up to a 5 ml bolus of air may be delivered if not primed correctly.

1. Lay ONDEMAND device on flat surface with the red tab label side up (Figure A).
2. Open clamp and remove tubing cap to begin priming. Do not discard tubing cap.
3. When all air has been removed from the entire tubing and fluid is observed at end of luer lock (approximately 4 minutes), the administration set is primed.
4. Replace tubing cap until ready for use.
5. Remove the red holding tab by pulling straight out (Figure B). It is important to remove red tab completely and ensure it does not break (Figure C). The ONDEMAND bolus device will begin to fill.

**WARNING: Do not pull the red tab upwards as breakage could occur (Figure C). Do not use if red tab breaks inside unit as maximum flow rate (basal + bolus) can occur. If red tab is not removed before use or breaks while removing, the bolus button will not work and flow rate may increase significantly above Total Flow Rate.**

6. The device is now ready to use; however a complete bolus dose won't be available until the labeled refill time has elapsed. The orange bolus refill indicator will be at the top level (Figure D).

## **STARTING THE INFUSION**

1. Connect tubing to patient's catheter. Make sure connection is secure and clamp is open.
2. The patient or clinician should give a bolus as soon as possible after the infusion has started to ensure the bolus device is working properly. The bolus button should pop up within a few minutes and the orange indicator should be at the bottom level.

## **BOLUS ACTIVATION**

1. Press down on button until it locks into place (Figure E).
2. Bolus will be delivered and ONDEMAND will begin to refill.
3. The orange indicator shows how much medication is in the bolus device (Figure D).
4. The next full bolus will be available when orange indicator is at the top level.
5. Pressing the bolus button prior to the end of the refill time will result in a partial bolus dose.

**WARNING: If the button does not pop back up within 30 minutes, check position of orange refill indicator:**

1. If indicator is in the lowermost position, close clamp. If button pops back up within 10 minutes, open clamp and continue with infusion. If button remains stuck, it may result in a significant increase in flow rate to patient. Keep clamp closed. Pump should be replaced if appropriate.

**or**

2. If indicator remains in the uppermost position, something may be impeding the flow. Check for tubing kinks, closed clamp or patency of connected devices such as catheter or unvented filter (verify patency) according to your standard protocol.

**TECHNICAL SPECIFICATIONS:**

The ON-Q pump cannot be filled less than the labeled fill volume or exceed the maximum fill volume. See Table 1.

Total Flow Rate refers to bolus + basal, which is the infusion rate per hour. See Table 2 for information on the Total Flow Rate based on different bolus refill times.

**Warning: Bolus is deliverable on demand. To reduce potential adverse effects, medication dosing should be based on the Total Flow Rate.**

**TABLE 1: MAXIMUM FILL VOLUME**

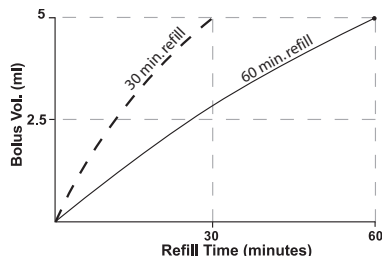
Labeled Fill Vol	Maximum Fill Vol	Retained Vol
270 ml	335 ml	< 9 ml
400 ml	550 ml	< 15 ml

**TABLE 2: TOTAL FLOW RATE**

Bolus Dose	Refill Time	Total Flow Rate
5 ml	30 min	10 ml/hr + Basal Rate
5 ml	60 min	5 ml/hr + Basal Rate

The ONDEMAND device is available in either 30 or 60 minute refill times as labeled on the device. Refill time is approximately linear.

**ONDEMAND REFILL CHART**



**DELIVERY ACCURACY:** When filled to the labeled volume, basal flow rate accuracy is  $\pm 15\%$  and bolus dose accuracy is  $+10\%$ / $-20\%$  of the labeled rates when infusion is started 0-8 hours after fill and delivering normal saline as the diluent at 22°C/72°F.

**CAUTION:** The ONDEMAND should be worn outside clothing and kept at room temperature. Temperature will affect solution viscosity, resulting in faster or slower flow rate. ONDEMAND has been calibrated using Normal Saline (NS) as the diluent and room temperature (22°C, 72°F) as the operating environment. Flow rate will increase approximately 1.4% per 1°F/0.6°C increase in temperature and will decrease approximately 1.4% per 1°F/0.6°C decrease in temperature.





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**Rx only**

U.S. Patents: 6,936,035; 6,981,967.  
U.S. and Foreign Patents Pending.

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