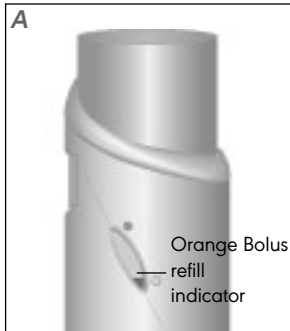


TECHNICAL BULLETIN

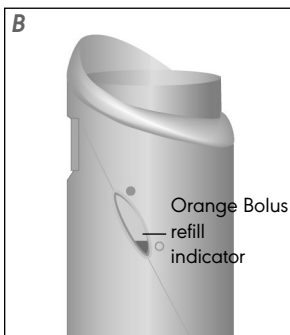
ON-Q* PUMP MODELS WITH ONDEMAND* BOLUS BUTTON



- It is important to prime the catheter prior to connecting it to the ON-Q* with ONDEMAND* pump to ensure the catheter is patent (free from occlusions).
- Do not add unvented filter to end of administration set (between pump tubing and catheter connection) as this can impede or block the flow rate.

⚠ WARNING:

- **Dosing - Total Flow Rate refers to bolus + basal. To reduce potential adverse effects, medication dosing should be based on the Total Flow Rate.**
- **Red tab must be removed before use. If red tab is not removed before use or breaks while removing continuous delivery will occur. This delivery may be significantly greater than the Total Flow Rate (bolus + basal).**



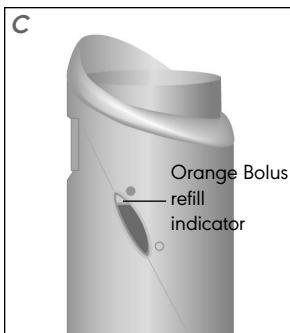
BOLUS ACTIVATION

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 back up within a few minutes and the orange indicator (Fig A) should be in the lower most position.

⚠ WARNING:

If the button does not pop back up within 30 minutes of pressing it, check position of orange indicator on the side the bolus device:

- Orange indicator is in the bottom position. (Fig B).
 - Close the clamp.
 - Continuous medication delivery may be occurring significantly greater than the Total Flow Rate.
- Orange indicator in the top position. (Fig C).
 - Something may be impeding flow
 - 1. Check for tubing kinks, closed clamp.
 - 2. Ensure an unvented filter has not been added to the administration set.
 - 3. Verify patency of connected devices such as catheter according to your standard protocol, proper management of toxic reactions and related emergencies.



There are inherent risks in all medical devices. Please refer to the product labeling for **Indications, Cautions, Warnings and Contraindications**. Failure to follow the product labeling could directly impact patient safety. Physician is responsible for prescribing and administering medications per instructions provided by the drug manufacturer. Refer to avanospainmanagement.com for additional product safety **Technical Bulletins**.

Please contact the Clinical Services Department at **800-444-2728** or **949-923-2400** if you have any questions regarding this information.