

# Covetrus<sup>®</sup> ProMAX Syringe Pump



This guide provides a quick reference for operating the Covetrus ProMAX Syringe Pump.

Please refer to the User Manual for more detailed operations and settings.



## Pole/Cage Clamp

### INSTRUCTIONS FOR USE

- Install Pole/Cage Clamp on the back of the pump with provided hex wrench and bolt—can install vertically or horizontally (See Figures A and B)
- If attaching to a cage, it is necessary to install vertically with “split” side of the clamp on the top, and necessary to have a clamp bolt all the way out (see Figure C)

Figure A



Figure B

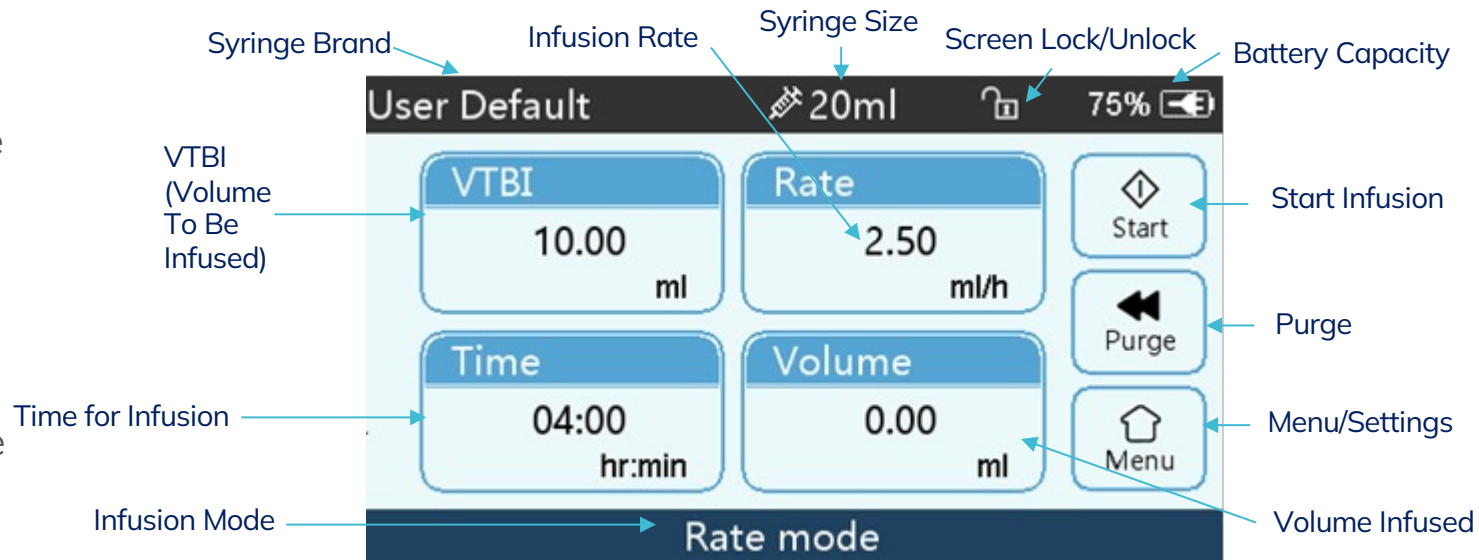


Figure C



## Basic Operation

- Press and hold the Power Button for 2 seconds to Power ON.
- Select “Yes” or “No” to clear the last treatment. Selecting “Yes” will clear all infusion parameters from previous infusion. If no selection is made within 30 seconds, all parameters are removed automatically.
- Pull the barrel clamp all the way out and rotate to the left or right. Squeeze plunger handle and slide out to the right.
- Install syringe ensuring syringe flange is inserted fully into flange holder, turn barrel clamp to secure syringe, engage plunger holder to syringe plunger, and confirm correct brand and size.
- Select Infusion Mode, set infusion parameters, purge if necessary, and verify settings.
- Press Start.



## During Infusion Interface

The image shows the ProMAX Syringe Pump interface during an infusion. The screen displays the following information:

- Top Bar:** "Battery in use" (yellow), syringe icon, "20ml" (Syringe Size), lock icon (Touchscreen Lock/Unlock), and "86%" (Battery Indicator).
- Center:** Large "5.00" (Current Infusion Rate) with "ml/h" below it, and "Rate" below that.
- Bottom Table:**

VTBI	Time left	Volume
19.88 ml	03:58 hr:min	0.12 ml
- Left Side:** Occlusion Pressure Indicator (0/600 mmHg), Syringe Brand/Alarm, Alarm Indicator (green light), AC Power Indicator (orange light), and Power Button.
- Right Side:** Stop, Bolus, and Menu buttons.

Labels with arrows point to the following features:

- Occlusion Pressure Indicator
- Syringe Brand/Alarm
- Current Infusion Rate
- Syringe Size
- Touchscreen Lock/Unlock
- Battery Indicator
- Start/Stop Infusion
- Programmable Bolus
- Settings/Manual Bolus
- Settings
- Volume Infused
- Time Left for Infusion Completion
- VTBI (Volume to Be Infused)
- AC Power Indicator
- Alarm Indicator
- Power Button



## Infusion Modes

To access Modes, press the bottom of the Home Screen or select Menu, then Modes

- VTBI Range : 0.01 - 9999.99 ml  
Rate Mode: Set VTBI and Rate (ml/hr)
- Time Mode: Set VTBI and Time  
VTBI Range: 0.01 - 9999.9 ml  
Time Range: 0 – 99 hours 59 minutes
- Body-Weight Mode: Select Unit, enter Body Weight, Concentration, Dose, VTBI  
Dose Rates: mcg/min, mcg/hr, mcg/kg/min, mcg/kg/hr, mg/min, mg/h, mg/kg/min, mg/kg/h plus more available
- Drug Library Mode: Select Drug, enter Concentration, Dose Rate, Weight  
Drug library is editable by going to settings – Drug Library – DrugLib maintenance – enter password 8888 - options to edit drugs and change password
- Sequence Mode: Set Rate1, set Time1, then proceed to following sequences as needed

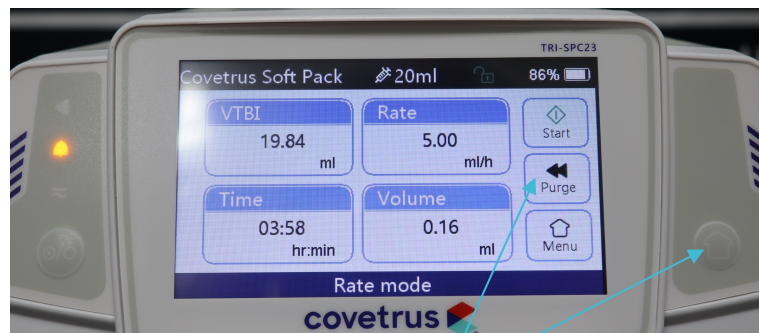
Syringe Size	Rate Range ml/hr
3 ml	0.1-100
5/6 ml	0.1-150
10/12 ml	0.1-300
20 ml	0.1-600
30/35 ml	0.1-900
60 ml	0.1-1500



## Bolus/Purge Operation

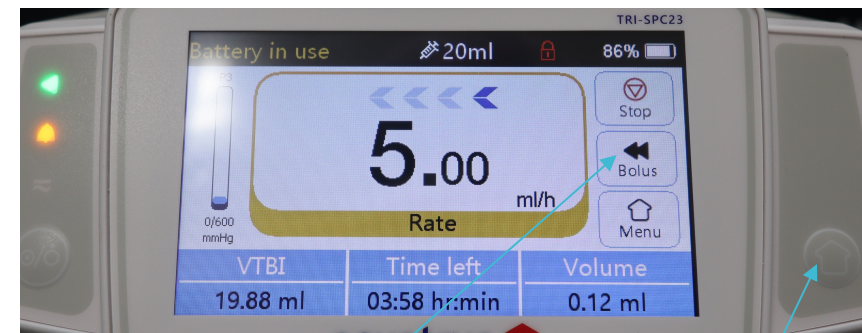
- Purge: While the Covetrus® ProMAX Syringe Pump is idle, press Purge on screen and select Yes or press and hold the Home/Purge softkey (see Figure 1)
- Programmed Bolus: During infusion, press Bolus on the screen and set Bolus VTBI, Bolus Rate, and Bolus Time, and then select Start (see Figure 2 and Figure 3)
- Manual Bolus: During infusion, press and hold Menu/Bolus softkey (see Figure 2) - audible tone every 1 mL bolus infused
- Change default Manual Bolus Rate: While the Covetrus ProMAX Syringe Pump is idle, go to Menu, Settings, then select Bolus Rate (see Figure 4)

Figure 1



Purge (to manual Purge, press and hold home softkey)

Figure 2



Programmable Bolus

Manual Bolus (Bolus Softkey)

Figure 3

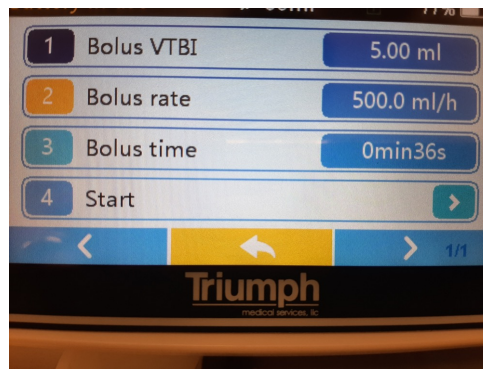
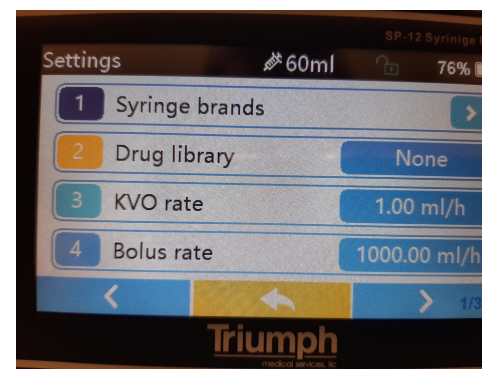


Figure 4

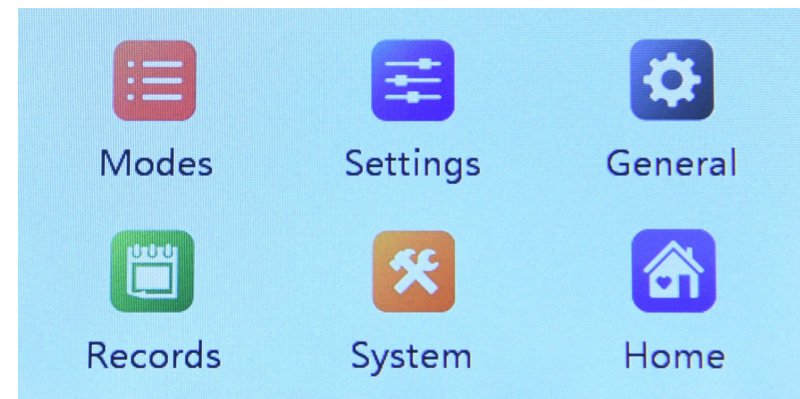


Syringe Size	Bolus Rate Range ml/hr
3 mL	0.1-100
5/6 mL	0.1-150
10/12 mL	0.1-300
20 mL	0.1-600
30/35 mL	0.1-900
60 mL	0.1-1500

## Settings

To enter additional settings, select the Menu button on the touchscreen or softkey while the Covetrus® ProMAX Syringe Pump is idle.

- Modes: Change the current Infusion Mode
- Settings: Change current Syringe Brand, drug library, default KVO Rate (0.01 mL/hr – 5.0 mL/hr), default Manual Bolus Rate, Occlusion Pressure (4 Levels 50 mmHg – 900 mmHg), Pump Idle Alert Time, Finish Pre-alarm (almost empty alarm), Micro Mode.
- General: Change Date & Time, Screen Brightness, Sound Level, Screen Lock Time, Night Mode, and Battery Capacity Indicator
- Records: Recall history of alarms and recent therapies
- System: Change Language, Factory default, Version, and Maintenance
- Home: Go back to the Home screen
- Standby Mode: To access Standby Mode, press the Power button, select Standby, and enter Standby Time



## Service Information

For Covetrus® ProMAX Syringe Pump repairs, Triumph Medical Services handles all warranty and non-warranty services. Fill out the Veterinary RMA Request form at [www.triumphmed.com/vet-rma-request](http://www.triumphmed.com/vet-rma-request) before sending your pump. Your RMA confirmation email will include the shipping address.

Call 888-962-0662 ext. 3 for inquiries.







**Questions?**  
(855) 724-3461

Distributed by:  
Covetrus® North America  
400 Metro Place North  
Dublin, OH 43017  
[covetrus.com](https://www.covetrus.com)

© 2023 Covetrus, Inc. All rights reserved. No copying without consent.



**Reorder #080540**

Made in China  
AH-080540-C-01  
REV: 0623