

# MEDICAL DEVICES

## Volumat MC Agilia QUICK REFERENCE GUIDE

**Agilia**  
Intuitive Generation



**FRESENIUS  
KABI**

caring for life

**WARNING:** This Quick Reference Guide is not intended to be comprehensive instructions for the set-up and operation of the Agilia System. For complete instructions, warnings and cautions, please refer to the Volumat MC Agilia Instructions for Use.



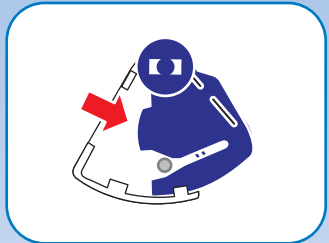
### Gravity Infusion

Closed position: stops flow



### Release of the SafeClip

Open position: allows flow



- The Volumat Administration set can be used for gravity infusion by releasing the SafeClip.
- Ensure roller clamp is closed
- To release the SafeClip, push blue part to open position.
- Use roller clamp on administration set to control flow.

# 1

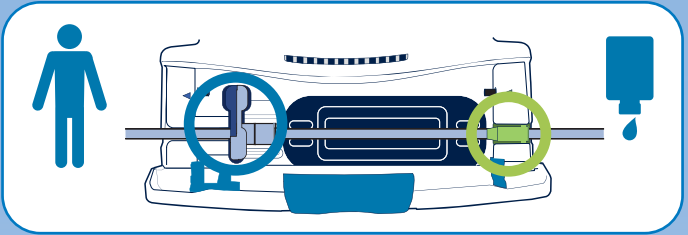
## Administration Set Loading & Removal

- Open the pump door by lifting the door lever.

### NOTE:

The pump automatically switches on when plugged in.

If operating on battery, press the  key.



- Auto-test checks the functionality of the pump.
- When auto-test completes, display indicates **Install Set**.



### Loading Set - 3 Steps:

- Ensure roller clamp is closed prior to loading administration set.
1. Align the tubing set horizontally with green connector positioned to the right and SafeClip positioned in front of the clamp guide.
  2. Insert green connector in the green slot.
  3. Insert the SafeClip (blue) into the blue slot with the spherical hinge on top. Push fully into place.
- Ensure tubing is inserted in the left tube guide and push door lever to close.

### NOTE:

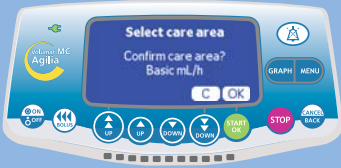
SafeClip is automatically engaged when blue clamp is inserted into clamp guide and pump door is closed.

### Removing Set

- Press  key to hold infusion.
- Close roller clamp.
- Press  key, open door and remove set.

# 2

## Program Basic Infusion



1. Power ON, Select Basic mL/h infusion, press **OK**.



2. Use arrow keys to program Volume to be Infused (VTBI), press **OK**.

### NOTE:

Use the double arrow key to increment VTBI per pre-populated levels (1 mL, 10 mL, 20 mL, 50 mL, 100 mL, 250 mL, 500 mL, 1000 mL, ...).



3. Use arrow keys to program flow rate, press **OK**.

### NOTE:

Infusion time is automatically calculated according to flow rate.



4. Open roller clamp and connect administration set to patient.

5. Press **start** to start the infusion or **C** to change the infusion parameters.

# 3

## Changing Infusion Parameters



### Changing rate

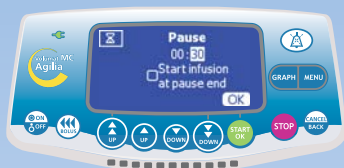
Adjust rate using arrow keys.  
Confirm new rate by pressing **OK**.



### Changing VTBI


Press **MENU** key.  
Use arrow keys to select VTBI from menu, press **enter**.  
Use arrow keys to change VTBI, press **OK**.

## STOP or PAUSE an Infusion



**STOP:** Press **STOP** key.

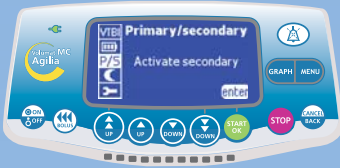
**NOTE:** After 2 minutes, an alarm is generated reminding the infusion is stopped.

**PAUSE:** press **MENU** key, select  using arrow keys, press **enter**.  
Use arrow keys to program pause duration, press **OK**.

**NOTE:** If "Start infusion at pause end" option is not checked, an audible alarm is generated at the end of the pause duration. A manual start is necessary to continue the infusion.

## 4

## Program Secondary (Piggyback) Infusion



1. Press **STOP** to hold Primary infusion.

Press **MENU** key, select **P/S** option, then press **enter**.



2. Confirm primary infusion parameters and press **OK**.

The screen advances to secondary infusion parameters.



3. Use arrow keys to program secondary infusion parameters,

Press **OK** to confirm each parameter.



4. Confirm secondary line is connected, secondary container is hung above the primary container, and clamp is opened. Press **start**.


### NOTE:

When secondary is complete, a short beep is emitted and the infusion will automatically return to the primary settings.


## 5

## Bolus Dose Administration




To access bolus, press .



To administer bolus, press and hold  key.

Monitor volume infused on screen.

To stop the bolus, release  key.



To access Programmed Bolus, press **prog**.

Use arrow keys to program bolus parameters, press **OK**.

Press **start**.

**NOTE:** Bolus is added to Volume Infused, VI

## 6

## Set-up Vigilant Drug'Lib Infusion



1. Power ON. Press **C** to change and select Care Area.



2. Use arrow keys to select Care Area, press **OK**.

3. Confirm desired Care Area, press **OK**.

Care area loads appropriate drug library.



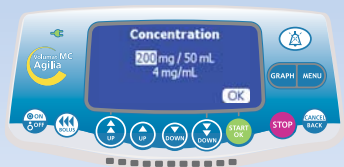
4. Use arrow keys to scroll to the next drug name, press **OK**.

## NOTE:

"If the drug is not found in the predefined drug list, check for "Drug X (mL/h)". If "Drug X (mL/h)" is not in the drug list, turn pump off and on again and select the "Basic Infusion" care area."

## NOTE:

To access drug selection from other screens, press **MENU**, select **+ ↻**.



5. Change or confirm drug concentration, press **OK**.

## NOTE:

If weight-based drug dosing is selected, use arrow keys to enter patient weight. Press **OK**.




## 7

## Program Vigilant Drug'Lib Infusion



1. Use arrow keys to modify VTBI, press **OK**.

## NOTE:

When using Vigilant Drug'Lib,  symbol is displayed during programming and infusion.



2. Use arrow keys to change infusion duration (double arrow for hour, single arrow for minute), press **OK**.

## NOTE:

The resulting rate and dose are automatically calculated and displayed.



3. Press **start** to initiate the infusion or **C** to change the infusion parameters.



If a soft dose limit is reached, a message will be displayed at the top of the screen.

If this is the intended dose, press **OK**.

**Double check settings:**

To confirm soft limit override, press **OK**.

To change infusion parameters, press **C**.

# 8

## Program Loading Dose Infusion



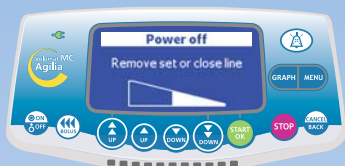
If configured for the selected drug, loading dose screen will appear. Press Yes to program loading dose.

Use arrow keys to program infusion parameters and press **OK** to confirm.

Press **start** to start the infusion or **C** to change the infusion parameters.

# 9

## Turn Pump Off





Press **STOP** key to stop infusion.

Press and hold **DIN 8 OFF** until the switch off screen disappears.

## Medium Priority Alarms appear as flashing YELLOW on indicator status.

**Infusion continues.**











Message	Definition	Action
"Near End of Infusion alert"	Remaining VTBI is less than 5% of initial VTBI programmed, or 5 mL left, or 5 minutes left.	-Press  key. -Prepare new container or adjust infusion parameters.
"Occlusion pre-alarm"	In-line pressure has reached 50 mmHg below the programmed threshold.	-Press  key. Check infusion line and IV site. -Check pressure settings.

## High Priority Alarms appear as flashing RED on indicator status.

**Infusion stops during alarm.**



Message	Definition	Action
Air-in-Line	-Air bubble detected during infusion. -Air was detected during set installation	-Press  key. -Assess amount of air and follow local facility procedure for removing air from administration set.
End of Infusion	-Infusion complete.	-Press  key. -Press  to program new infusion
Downstream Occlusion	-Patient side occlusion detected.	-Press  key. -Check infusion line and IV site.
Upstream Occlusion	-Pressure in line upstream is low.	-Press  key. -Check roller clamp, bag height, infusion line and container.
Door Open	-Door has been opened.	- Press  key. - Close roller clamp
OCS Test Failed	-Pressure has not risen properly during OCS test.	- Press  key. - Close roller clamp - Remove and reinstall set. - Check pump.
Install Set	-Administration set has not been installed properly.	- Press  key. - Reinstall set.

We recommend reading the Instructions for Use before using this device.

Due to changing standards, legislation and material, the characteristics indicated by the text and the images of this document are applicable only for the device that it accompanies.

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