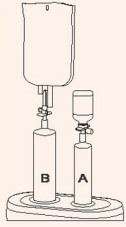


INJECTION STEPS

1. Install syringes and spikes.

Syringe A (Contrast) = Short spike
Syringe B (Saline) = Long spike



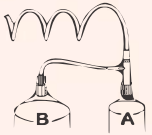
2. Fill the syringes.

Double press **A** and **B** to fill the syringes.

Wait 3-5 seconds for Auto Fill to complete to avoid fluid spills from spikes.

3. Install tubing.

A = Contrast
B = Saline (flush)

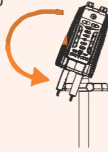


4. Press to prime air from tubing.

5. Press to confirm that you have expelled all air from the syringes and tubing.

(Illuminated = You have checked for air.)

6. Rotate the injector head with the syringes facing down.



7. Connect tubing to the patient IV.

8. Press to perform an optional test injection.

(Fast blinking = Test injection in progress.)

9. Press to activate KVO (keep vein open).

(Illuminated = KVO in progress.)

10. Press to lock the protocol from the control room.

11. Press on the injector head or on the display to arm the injector.

12. Press on the injector head or Pod to start the injection.



For complete operational information, warnings, and cautions, please refer to the MEDRAD® MRXperion Injection System operation manual.

2. FILLING THE SYRINGES

AUTO FILL

Double press the A and B buttons to Auto Fill the syringes.



To change the Auto Fill volume, press A or B once. Then use the + or - buttons. Press A or B again to begin Auto Fill to the adjusted volume.

MANUALLY FILL

Enable the piston controls by pressing the Enable Piston Button.

Use the Forward and Reverse Piston controls or the Manual Knobs (shown below) to change the amount of fluid in the syringes.

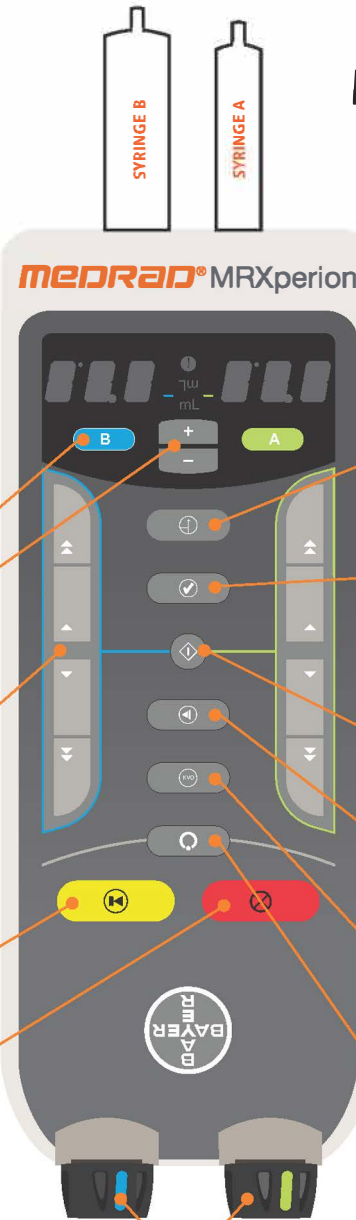


12. START/HOLD BUTTON

Press to initiate an injection when the system is Armed. Press to hold an injection in progress.

ABORT BUTTON

Press to terminate the injection and disarm the injector.



MEDRAD® MRXperion

SYRINGE B

SYRINGE A

MEDRAD® MRXPERION INJECTION SYSTEM QUICK GUIDE

INJECTOR HEAD CONTROLS

These steps correspond to the Injector head only, For complete steps see injection steps on the left.



4. PRIME BUTTON

Press to activate the priming function. Button illuminates to indicate that the operator can begin priming.



5. I CHECKED FOR AIR CONFIRMATION BUTTON

Press to confirm that the operator has examined the syringes and tubing for the presence of air. Illuminates to indicate that the operator has confirmed that the syringes and tubing have been inspected for the presence of air. (A confirmed check for air is required to continue.)



ENABLE PISTON CONTROL BUTTON

Press to activate the forward and reverse piston controls. Deactivates after ten seconds of inactivity.



8. TEST INJECT BUTTON

Press to initiate a test injection. Blinks to indicate that the operator can perform a test injection.



9. KVO BUTTON

Press to activate the KVO (keep vein open) feature. Blinks to indicate that the operator can start KVO to maintain patency of the patient connection.



11. ARM BUTTON

Press to arm the system after the protocol has been locked from the control room.

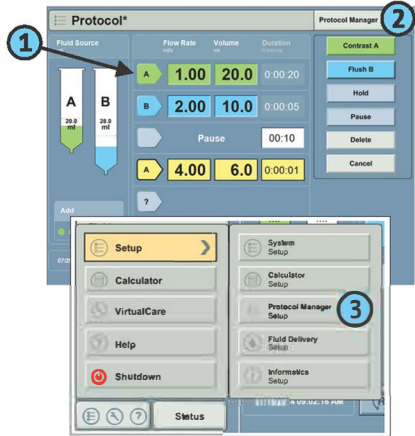
MANUAL KNOBS

Locked during Auto Fill or when Enable Piston Control is activated. Can be used to manually fill the syringes.

MEDRAD® MRXperion
MR Injection System

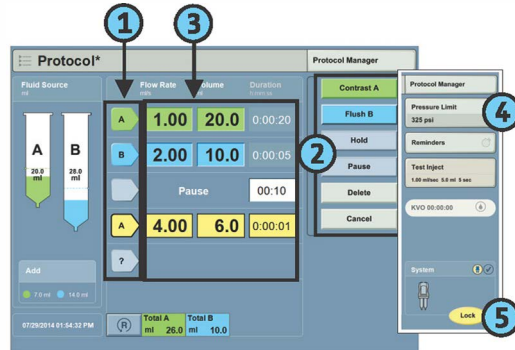
Protocols

1. Create/edit a protocol on the Home screen.
2. Save/recall protocols in Protocol Manager.
3. Organise/delete protocols in Protocol Manager Setup.



Create/Edit a Protocol

1. Select an arrow to create a phase.
2. Choose a phase type from the list.
3. Add/edit volumes and flow rates.
4. Select a pressure limit.
5. Press Lock to lock the protocol.



Find Protocol

1. On the Home screen, select Protocol Manager.
2. Select View All to see all saved protocols.
3. Select applicable protocol from list.
4. Review all protocol values.
5. Select OK to use or edit the protocol.



System Settings

1. Shutdown/Restart Injector
2. System Setup (clock, units, display, etc.)
3. eGFR and Weight Based Dosing Calculator Setup (formulas, units, etc.)
4. Organise protocols
5. Fluid delivery settings (KVO interval, enable/disable test inject, etc.)
6. Informatics setup (optional feature)



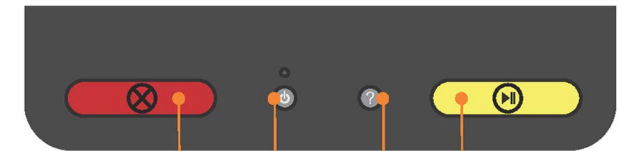
Contacting Service

If VirtualCare® is installed:

1. Select VirtualCare® from the Launch Menu on the Home screen.
2. On the Service screen, the connection status will indicate "Online."
3. Under "Request a Call From Support", select Technical.
4. When prompted, enter phone number and contact name.
5. Press Continue. Bayer Services will contact you shortly at the contact information provided.



POD BUTTONS



- ABORT BUTTON**
Press to terminate the injection and disarm the injector.
- POWER BUTTON**
Press to turn the system ON or OFF. Provides the operator with shutdown options or System Restart.
- START/HOLD BUTTON**
Press to initiate an injection when the system is Armed. Press to hold an injection in progress.
- HELP BUTTON**
Press to launch the Help System.



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