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are also outlined on the back of the unit.

Before operating the B-D 200Intrusor, please read the following procedures and precautions.

The patient's bed:
be used anywhere, it's attached to an IV pole or placed near
because the unit is battery-operated, it can conveniently

administration of IV medications.
advanced self-monitoring system also helps ensure safe
and effective, improved patient safety. The unit's
features make it the perfect choice for any IV therapy.
infusion from 10 to 60 minutes. This flexibility provides

B-D 200Intrusor accommodates all B-D /Plastic

intravenous therapy.
effective and time-saving system you can use for inter.
surgical site, the B-D 200Intrusor is the most cost-

From critical care to general medical, obstetrical, and

INTRODUCTION
Section port on the Hashball site.
attached to the Primary line at either the lower or
is not interconnected. The Micropore extraction set is
inlet chamber (by-pass). The flow rate for the bypass
As a Piggyback in combination with a volume con

Site downstream from the Primary Infiltration device.
the Primary line at an Infiltration port on Hashball
is equipped. The Micropore extraction set is attached
or I2 pump. No change to the pump or controller
As a Piggyback in combination with an I2 controller

Hashball site.
the Primary line at the lower Infiltration port or
the Micropore extraction set is attached to
divirus, the Primary line need not be interconnected.
delivering compatible maintenance fluids or drugs
As a Piggyback in combination with a Primary I2

Action within a Heparan lock.
As a Primary Intraluminal Infiltration system in combin-

Intraluminal Infiltrations:
The D-300Influsser may be used for the following

METHODS FOR USE
Product Set-up

1. To load Batteries: Slide the Battery Cover (p) on

2. Connect the Microphone tubing set to the Pursed Syringe.

3. Using standard, acceptable, age-appropriate technique, prime

4. Press the POWER ON switch (A). The system will

5. Pull the Plunger lock (A) all the way back.

6. (top of the unit)

Depress (p) then slide the entire string pusher
some units may have a button which should be

NOTE: If any information fails to use the pump; call

Time scale sets to 60 minutes.

Start automatically perform an electronic check. One beep

(4, P.E.D) pleasures, and the
of the four indicator lights (C.F.D) fades, and the
sounds, the TIME SCALE (K) needs to 60 minutes, each

eliminated.

the syringe and Tubing set, making sure all air bubbles are

2. Verify that the syringe size and medication are correct

With the B.D 30mil

Rechargeable batteries are not recommended for use

end facing up as illustrated by the diagram inside

Insert 4-C size rechargeable batteries with the positive (+)

the bottom of the unit in the direction of the arrow.

the battery well. Slide the battery cover back.
9. Using specific technique, attach the distal end of the
microbore tubing set to the appropriate infusion site.

Minutes and 0 minute in 2.5-minute increments.

Minutes Delivery time may be set between 10
seconds increments the established delivery time throughout
the infusion. The top bar on the
DELCIVER TIME (C) switches. The top bar on the
DELCIVER TIME (B) or DECREASE
delivery time (indicated on the TIME SCALE (K) using
the INCREASE DELIVERY TIME (B) or DECREASE.

8. If a 0-minute delivery time is not desired, set the
its positioned between the lock notches and the syringe driver notch.

NOTE: To ensure accurate operation, make sure the plunger mm
engages the syringe.

(2) down. Assure that the PLUNGER LOCK fully
depressed, then slide the entire SYRINGE PUSHER
some units may have a button which should be
(press the PLUNGER LOCK (M) all the way back.

7. Pull the PLUNGER LOCK (M) all the way back.

Henegs are positioned in the clamp notch.

Field syringe, making sure the tip of the syringe barrel
6. Press open the SYRINGE CLAMP (O) and insert the
bottom of the display screen.
and the bell symbol (zellik) will reappear at the
INFUSION COMPLETE TONE (on/off) switch.
To reactivate the infusion complete tone, push the
located at the bottom of the display screen disappears.
(on/off) button (1) and the small bell symbol (2).

desired, press the INFUSION COMPLETE TONE

Continuous beeping sounds, if no audible alarm is
is activated. Upon completion of an infusion a con-
TIME SCALE (K) to indicate infusion complete tone.
small bell symbol (3) appears at the bottom of the
vibrated automatically when the unit is powered ON.

10. The INFUSION COMPLETE TONE will be acti-
the INFUSE switch (D) to restart the infusion.

desired time is indicated on the time scale. Then press
decrease delivery time (C) switch until the
appropriate increase delivery time (D) or
press the STOP infusion switch (H). Press the
To change the delivery time for the remaining volume.

Changing the Delivery Time

Restart the infusion without altering the time setting.
Press the STOP infusion switch allows you to
When the infusion is completed, the infusion complete.

Stopping Infusion

The POWER OFF switch (I)
symbol (A) is visible. Turn the pump off by pressing

When the infusion is completed, the infusion complete.

Completing Infusion

bar will disappear after 2.5 minutes.
will flash, as the time scale (K) counts down, once
Infuse indicator (E) and the top bar on the screen
Infuse switch (D). Throughout the infusion, the green
compilation of the automatic electronic check, press the
After pressing the POWER ON switch (A) and successful
NOTE: Should the user select a time of infusion with a volume in
the levels specified,
the rate setting for the indicated B-D syringe sizes filled to
the range of the pump. Table 1 shows the maximum
certain low volume-high time combinations are beyond.
You may set the delivery time between 10 and 60 minutes.

1.5 cc and set to deliver in 60 minutes
in 10 minutes) and 1.5 mL/hour (4-cc syringe filled to
360 mL/hour (4-completely filled 60-cc syringe set to deliver
The B-D 390Infuser allows volumetric deliveries between
INFUSION SPEED RANGE

Representative for information to obtain this item.
optional IV Pole Clamp. Please consult your McGaw
Pole Clamp has the capability to accept an
<table>
<thead>
<tr>
<th>Setting (mm)</th>
<th>Range (cc)</th>
<th>Maximum Volume</th>
<th>Syringe Size</th>
<th>Level (cc)</th>
<th>B-D Stringer</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2</td>
<td>1</td>
<td>1</td>
<td>1/2-2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>0.3</td>
<td>1.5</td>
<td>1.5</td>
<td>1/2-2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>0.5</td>
<td>5</td>
<td>5</td>
<td>1/2-2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>10</td>
<td>10</td>
<td>1/2-2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1.5</td>
<td>20</td>
<td>20</td>
<td>1/2-2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>40</td>
<td>40</td>
<td>1/2-2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2.5</td>
<td>80</td>
<td>80</td>
<td>1/2-2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>150</td>
<td>150</td>
<td>1/2-2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>250</td>
<td>250</td>
<td>1/2-2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>350</td>
<td>350</td>
<td>1/2-2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>600</td>
<td>600</td>
<td>1/2-2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>1200</td>
<td>1200</td>
<td>1/2-2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>1800</td>
<td>1800</td>
<td>1/2-2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>3000</td>
<td>3000</td>
<td>1/2-2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>60</td>
<td>3600</td>
<td>3600</td>
<td>1/2-2</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Table 1: Delivery Time Chart
NOTE: When detaching large volumes in short periods of time, the green alarm light will be activated.

3. While infusion is in progress, the SYRINGE PUSHER audible alarm will be activated.

2. If the syringe is removed or dislodged during an infusion, the red attention indicator will flash and an audible alarm will be activated.

Press the INFUSION SWITCH (D) to restart the infusion.

Reconnect the microphone tubing set.

Reset the delivery time if needed.

Release the SYRINGE PUSHER.

Clear the occlusion.

To preserve the integrity of the infusion, pull the IV bag to prevent accidental bolus. (Take care of disconnection the microphone before sliding the SYRINGE LOCK (M) all the way back and slide the SYRINGE PUSHER (L) by pulling the alarm lever.)

Then proceed with the following steps:

INFORMATION switch (H) to turn off the audible alarm and PUSHER (L) stops. You should press the STOP button.

1. Indicators in occlusion, in which case the SYRINGE FINDERS AND ALARMS

Indicates a normal infusion is in progress.

Indicates a green infusion light.
or an electronic malfunction. Do not use the pump.

Indications of the spring pusher, Attention light, and beeping alarm

Flashing time scale, flashing red

Pressing the power off switch (I)
Signifies the end of infusion. Turn the pump off by
and continuous double beeping alarm

Flashing red infusion complete light

Pressing the power off switch (I)
Signifies the end of the infusion. Turn the pump off by

Flashing red infusion complete light

Batteries with 4 C-size alkaline batteries.
You should complete the infusion, then replace the
Indicators a minimum of 10 hours remains in the batteries.

Flashing yellow low battery light

The spring size (refer to Table 1)
When the infusion switch (D) is pressed the audible

Beeping alarm

(See page 1-800-457-787)
If any indicator fails, do not use the pump. Call Technical

No. 332823
or write a letter inside character dealer set such as Call

consideration should be given to increasing the time of delivery
Therefore, we do not recommend their use.

Effectiveness of the occlusion detection system
cannot make any claims to the accuracy or deliver of the
apparatus for the B-D 360Infuser. Becton Dickinson
whites other sizes, types and manufacturers of syringes may

No. 33223.
Microbore tubing (1/50” inner diameter or greater), cartridge
Becton Dickinson recommends the use of larger diameter
When infusing viscous liquids such as liquids or dextrose.

Cautions.

Disposable syringes should not be reused under any

For Disease Control (CDC) guidelines.
With institution policies, national, state or the Centers
Disposable tubing sets should be changed in accordance

Critical Unit (ESU).
Direct contact with the active lead of any ELECTRODE.
The B-D 360Infuser is not designed to be placed in
more frequently as per your individual institution’s policies to be performed every six (6) to twelve (12) months or is recommended by the manufacturer. Regularly performed and replace procedures is essential. Routine maintenance personnel or technical manual operating personnel should only be performed by qualified personnel.

MAINTENANCE

or submerge it in liquids. Solvents may damage the case. Do not chill the pump. milo alcohol or bleach-based solution. Flammable chemicals or soap or detergent. The pump may be disassembled with soap and mild detergent. Clean the BD 350ionuer with a damp cloth and mild CLEAING

returned without prior approval will not be accepted. Support is available via the same number. Any device Technical Services at 1-800-627-7867. Technical service of the BD 350ionuer please contact Idaho, Inc. In the event that a problem arises during the use of this

DEVICE PROBLEM REPORTING

CLEANING & MAINTENANCE
### Specifications

<table>
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<th>Feature</th>
<th>Information</th>
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<tr>
<td><strong>Disposables:</strong></td>
<td>Pole Clamp (Cat. No. 2810)</td>
</tr>
<tr>
<td><strong>Accessories:</strong></td>
<td>4 C-size alkaliene</td>
</tr>
<tr>
<td><strong>Battery Life:</strong></td>
<td>6-8 hours typical with 2.5 cm discharge strings</td>
</tr>
<tr>
<td><strong>Accuracy:</strong></td>
<td>7.5% using Pkztag 5 cm discharge strings</td>
</tr>
<tr>
<td><strong>Injection Delivery:</strong></td>
<td>3 cc to 60 cc</td>
</tr>
<tr>
<td><strong>Syringes Accepted:</strong></td>
<td>Pkztag Pkztag Pkztag Pkztag (3x)</td>
</tr>
<tr>
<td><strong>Weight:</strong></td>
<td>2 lbs (approx) including batteries</td>
</tr>
<tr>
<td><strong>Dimensions:</strong></td>
<td>9.75&quot; x 3&quot; x 2.75&quot; approximate</td>
</tr>
<tr>
<td>Pressure (p.s.i)</td>
<td>Size</td>
</tr>
<tr>
<td>----------------</td>
<td>------</td>
</tr>
<tr>
<td>8.4</td>
<td>13.2</td>
</tr>
<tr>
<td>4.4</td>
<td>16.8</td>
</tr>
<tr>
<td>6.1</td>
<td>21.6</td>
</tr>
<tr>
<td>1.7</td>
<td>22.8</td>
</tr>
<tr>
<td>1.9</td>
<td>30.0</td>
</tr>
<tr>
<td>3.6</td>
<td>46.8</td>
</tr>
</tbody>
</table>

Typical Occlusion

Using the following B-D Plus catheter syringe:

Occlusion Pressure
In the event of a warranty claim, the manufacturer must be notified in writing within 30 days from the date of delivery. The warranty is limited to the purchase price of the product and covers defects in materials and workmanship for a period of one year from the date of delivery. The warranty does not cover normal wear and tear, negligence, or abuse of the product. The manufacturer reserves the right to refuse warranty service if the product has been modified or altered in any way. This warranty is non-transferable and applies only to the original purchaser.