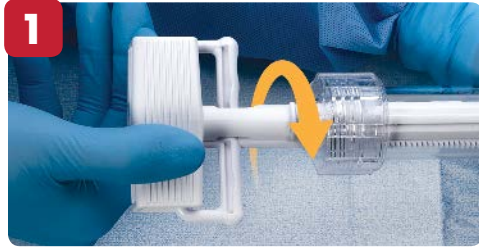


## Prep the Device



**STEP 1** Prior to use, free the plunger tip by twisting the device plunger/handle 360 degrees clockwise.



**STEP 2** To prep device, squeeze the trigger and pull back on the handle to aspirate up to 60 mL of contrast solution into the syringe.

**CAUTION:** Inspect the device tubing and stopcock (if used) to ensure there is no air in the system.



**STEP 3** Remove any excess air by orienting the device upwards, squeezing the trigger located on the device handle and pushing the handle forward. Push forward until the device plunger tip is oriented with the black arrow printed on the device barrel (approximately 35 mL).

Please refer to the Instructions for Use included with the product for complete instructions.

## Attach the Inflation Device to the Balloon



**STEP 4** Prepare and test the balloon catheter according to the catheter manufacturer's instructions for use.

**NOTE:** Refer to the manufacturer's directions accompanying the balloon dilation catheter, or other interventional device, for specific information on use, maximum inflation pressure, precautions, and warnings for that device.



**STEP 5** Create a fluid-fluid connection between the balloon and the inflation device extension tube and connect the luer connectors securely.



**STEP 6** Squeeze the trigger and pull back on the handle to apply vacuum to the balloon.

## Inflate and Deflate the Balloon



**STEP 7** To inflate the balloon, squeeze the trigger allowing the plunger to return to the resting position (0 ATM/BAR). Release grip on the trigger, locking the plunger into position.



**STEP 8** To increase pressure, rotate the handle clockwise until the desired inflation pressure is reached. The locking mechanism maintains the pressure.

**CAUTION:** Do not exceed 12 ATM.

**NOTE:** Loss of pressure may indicate a leak in the system.



**STEP 9** To deflate the balloon, rotate the handle counter-clockwise to relieve pressures above 6 ATM. Squeeze the trigger and pull the handle back to generate negative pressure. Release the grip on the trigger to lock the plunger in the negative pressure position.

# ENDOTEK **BIG60**<sup>TM</sup>

## 60ml Inflation Syringe

### INSTRUCTIONS FOR USE

#### DESCRIPTION:

The BIG60<sup>TM</sup> Inflation Syringe is a 60ml disposable inflation device capable of producing a maximum pressure of 12 ATM/BAR, fitted with a threaded plunger assembly with a lock/release bar, a flexible high pressure tube, and a three-way medium pressure stopcock. The BIG60<sup>TM</sup> Inflation Syringe is designed to generate and monitor inflation pressures over a range of -.68 to 12ATM/BAR (-10 to 176 psi) with accuracy of 3% ATM/BAR.

#### INTENDED USE:

This inflation device is used to inflate and deflate an angioplasty balloon or other interventional device, and to measure the pressure within the balloon.

#### PRECAUTIONS:

- Inspect the BIG60<sup>TM</sup> Inflation Syringe and packaging for damage prior to use. Do not use product if opened or damaged. Confirm the product is consistent with the package label. Contact Customer Service to report and replace damaged product.
- For single patient use only. Do not reuse, reprocess, or sterilize. Reuse, reprocessing, or resterilization may compromise the structural integrity of the device and/or lead to device failure which, in turn, may result in patient injury, illness, or death. Reuse, reprocessing, or resterilization may also create a risk of contamination of the product and/or cause patient infection or cross-infection, including, but not limited to, the transmission of infectious disease(s) from one patient to another. Contamination of the product may lead to injury, illness, or death of the patient.
- Graduations on syringe barrel are for reference only and are not intended for exact measurement.

#### INSTRUCTIONS FOR USE:

- Prior to use, free the plunger tip by twisting the syringe plunger/handle 360 degrees clockwise.
- To prep syringe, simply aspirate up to 60ml of contrast solution into the syringe by pulling back on the syringe handle.

**CAUTION:** Inspect the syringe tubing and stopcock (if used) to ensure there is no air in the system.

- Remove any excess air by orienting the syringe upwards, squeezing the trigger located on the syringe handle and pushing the handle forward. Push forward until the syringe plunger tip is oriented with the black arrow printed on the syringe barrel (approximately 35ml).

#### ATTACHING THE INFLATION SYRINGE TO THE BALLOON:

**NOTE:** Refer to the manufacturer's directions accompanying the balloon dilation catheter, or other interventional device, for specific information on use, maximum inflation pressure, precautions, and warnings for that device.

- Prepare and test the balloon catheter according to the catheter manufacturer's instructions for use.
- Create a fluid-fluid connection between the balloon and the inflation syringe inspection extension tube and connect the luer connectors securely.
- Squeeze the trigger and pull back on the handle to apply vacuum to the balloon.

#### BALLOON INFLATION AND DEFLATION:

1. To inflate the balloon, squeeze the trigger allowing the plunger to return to the resting position (0 ATM/BAR). Release grip on the trigger, locking the plunger into position.

2. To increase pressure, rotate the handle clockwise until the desired inflation pressure is reached. The locking mechanism maintains the pressure.

**CAUTION:** Do not exceed 12 ATM.

**NOTE:** Loss of pressure may indicate a leak in the system.

3. To deflate the balloon, (rotate the handle counter-clockwise to relieve pressures above 6 ATM) squeeze the trigger and pull the handle back to generate the desired negative pressure. Release the grip on the trigger to lock the plunger in the negative pressure position.

**STORAGE:** Store in a cool, dry place.

#### WARRANTY

The manufacturer warrants that reasonable care has been used in the design and manufacture of this device. This warranty is exclusive and manufacturer makes no other representations or warranties of any kind to customers, its end users, or to any third parties with respect to the device and hereby expressly disclaims any and all other warranties, express or implied, statutory or otherwise, including, but not limited to, infringement and the implied warranties of merchantability and fitness for a particular purpose, even if manufacturer is aware of such purpose. Handling and storage of this device, as well as other factors relating to the patient, diagnosis, treatment, implant procedures, and other matters beyond the control of the manufacturer, directly affect the device and the results obtained from its use. The manufacturer's obligation under this warranty is limited to the replacement of the device. Under no circumstances shall manufacturer be liable to customer or any other person or entity for any punitive, special, incidental or consequential damages directly or indirectly arising from the use of this device. The manufacturer neither assumes, nor authorizes any other person to assume for it, any other or additional liability or responsibility in connection with this device. This warranty shall not apply, and manufacturer assumes no liability with respect to, devices that have been (i) modified, changed, altered, misused, mishandled, repaired, reused, reprocessed, refurbished or resterilized; (ii) subjected to improper maintenance, testing or storage, accident, tampering, or inadequate protection against shock, vibration, excessively high or low temperatures, overpressure, or physical, environmental or electrical stress; (iii) been used outside the approved "Indications for Use" as cleared by the relevant competent authority, used contrary to the use outlined in the device specifications, or in an application or environment for which such device was not designed or contemplated; or (iv) distributed or used contrary to applicable federal, state, local or regulatory standards.

**RX only: CAUTION:** Federal (U.S.A.) law restricts this device to sale by or on the order of a physician.



Single Use



Caution: Consult accompanying document

**STERILE EO**

Sterile if package is unopened or undamaged  
Non-pyrogenic



Manufacturer: [www.merit.com](http://www.merit.com)  
Merit Medical Systems, Inc. South Jordan, Utah 84095 U.S.A.  
1-801-253-1600  
U.S.A. Customer Service 1-800-356-3748

**EC REP**

Authorized Representative:  
Merit Medical Ireland Ltd, Parkmore Business Park West,  
Galway, Ireland

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