

Instructions and User Guide

Sonohysterography and Sonosalpingography Transvaginal Ultrasound Training Model

BPOB1801



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Overview

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Giving you the confidence only experience can offer™

Congratulations on the purchase of your Blue Phantom™ ultrasound model(s) for hands-on training. Every product we manufacture at Blue Phantom™ is specifically designed to be the most realistic and ultra-durable ultrasound simulation phantoms available anywhere. Our high standards for quality manufacturing and design guarantee that you receive only the absolute best.

About Blue Phantom™

Blue Phantom™ brings you the most realistic and durable hands-on ultrasound training models available anywhere. At Blue Phantom™ we know that learning to use ultrasound requires practice. You gain confidence and skill through experience. That is why we offer you the best ultrasound simulation training available.

Blue Phantom™ Warranty

Blue Phantom™ takes pride in its quality design and manufacturing standards. Our products are warranted to you by Blue Phantom™ for one year from the date of purchase against defects in workmanship and materials. During the warranty period, a defective part or product will be replaced either with a new or reconditioned part or product, depending on the availability at the time.

This warranty covers normal consumer usage and does not cover damage incurred through use not consistent with the product design. Failure that results from alteration, accident, misuse, vandalism, or neglect is not covered under this warranty. This warranty does not extend to any products that have been used in violation of written instructions.

Product Cautions

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Please read this instruction guide carefully. Do not begin using this model until you fully understand these safeguards and have read the user guide in its entirety.

Important Safeguards



1. Read Instructions – All safety and operating instructions should be read before the unit is operated.
2. While all parts of this user guide are important, the red flag that you see to the left denotes especially important content. Please familiarize yourself with all of the content prior to using your training model or damage to the model can occur.
3. This user guide includes instructions applicable to a variety of model configurations.
4. Retain Instructions – The safety and operating instructions should be retained for future reference.
5. Heed Warnings – All warnings in the operating instructions should be adhered to.
6. Follow Instructions – All operating and maintenance instructions should be followed.
7. Weight Warning—Use caution as this model is heavy. Use proper lifting techniques to prevent bodily injury. Notify others of the heavy weight warning to prevent others from being injured while operating or moving the model. Product weight is approximately 22lbs (10kg).
8. Care must be taken to place the model in a position in which it will not fall off of the bed or surface, as this may cause injury.
9. Accessories – Do not place this unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall causing serious injury to a child or adult, and serious injury to the unit.
10. **CAUTION:** Please use extreme care when using needles and sharp objects as to not accidentally injure yourself during training.



Product Information

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Blue Phantom™ Sonohysterography and Sonosalpingography Transvaginal Ultrasound Training Model

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Included in this Package

- Blue Phantom™ Sonohysterography and Sonosalpingography Transvaginal ultrasound training model
- Soft Storage Case
- Privacy Skirt
- Blue Phantom™ Clear Ultrasound Refill Solution ([BRS182-Clear](#))
- User Guide and Utilities CD

Additional Items Required for Training

- Ultrasound system with an endovaginal probe
- Ultrasound gel

Optional Accessories for Your Training Model

- Blue Phantom™ Transvaginal Hard Storage Case ([BPOB1230](#))

Introduction to Your Training Model

This model is intended as a platform for transvaginal ultrasound hands-on technique training. The model is designed to be extremely realistic thus mimicking the feel and imaging characteristics of an actual transvaginal ultrasound exam. In order to get the most out of your training model, it is important that you follow proper use and care instructions.

Quick Facts about Your Training Model

- Accurately mimics the feel and imaging characteristics of an actual transvaginal exam
- Extremely realistic internal and external anatomy
- Ideal for teaching or learning how to perform ultrasound guided transvaginal procedures
- Superb ultrasound imaging characteristics
- Easy to clean—though not routinely necessary
- Includes privacy skirt and soft storage case
- Made in USA



Utilizing Your Training Model

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Blue Phantom™ Sonohysterography and Sonosalpingography Transvaginal Ultrasound Training Model

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Anatomy of Your Training Model

1. Remove your training model from its shipping container and make sure that you have received all of the items listed in *Chapter 3: Product Information—Included in this Package* section on page 5 of this user guide. If you did not receive one of the listed items, or if you received the wrong items, please contact Blue Phantom™ Customer Support immediately:
Telephone: (425)881-8830
Email: customersupport@bluephantom.com
Web: www.bluephantom.com



Save the soft storage case for storing your model.

2. Familiarize yourself with your training model.



Blue Phantom™ ultrasound training models are constructed using our patented simulated ultrasound tissue and mimics imaging characteristics to that of human tissue. Care must be taken to not place the model on rough surfaces as the model can take on the characteristics of that surface. Do not place objects under the model as the tissue is soft and will conform to the shape of the object.

Your training model consists of a female lower torso, an ultrasoundable tissue insert positioned within the torso, and the fallopian extension tubes that extend out of the superior aspect of the training model. The internal anatomy includes the endovaginal canal (non-imaging), cervix, cervical canal, uterus, endometrial cavity that can be dilated using saline fluid infusion, bowel, and patent fallopian tubes that are continuous with the fallopian tube extension which course exterior to the model allowing for fluid flow during Sonosalpingography procedures.

Using Your Training Model

1. Remove your Blue Phantom™ from its packaging and place the model in an appropriate position for scanning.
2. Place ultrasound gel on the transvaginal ultrasound transducer in adequate quantities so that the probe slides naturally into the model. Add more gel as necessary.

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Using Your Training Model (*continued*)



Please be sure to always apply adequate amounts of ultrasound gel. Ultrasound gel allows for optimal imaging and smooth positioning of the transvaginal transducer.

3. Condoms may be used to cover the transducer as in standard transvaginal exams, but they are not necessary. To use a condom, simply cover the tip of the transducer with gel, place the condom over the transvaginal transducer and apply gel to the imaging surface of the sheathed transducer.
4. Adjust the ultrasound system controls per the manufacturer's instructions, increasing and decreasing the depth and gain controls until the desired image is obtained.

Sonohysterography and Sonosalpingography Procedural Training

Sonohysterography training uses an infusion of sterile saline through a soft plastic catheter placed in the cervix in conjunction with transvaginal ultrasound imaging. The saline infusion distends the uterine cavity and provides an excellent contrast to the lining, giving improved visualization of uterine and endometrial pathology.

It is suitable to infuse saline and Blue Phantom™ Ultrasound Refill Solution as needed. NEVER infuse tap water into your training model.



CAUTION: Use refill solution only as directed. Not intended for human consumption. If accidental consumption occurs, drink a glass of water and consult a physician. May irritate eyes; flush well with water. May contain pigments that can stain clothing; wash immediately with cold soapy water. Keep out of reach of children.

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Performing a Transvaginal Sonohysterography Procedure

1. Place the model on a clean, hard, flat surface. Position your model in the supine position.
2. Verify that the fallopian tube extension tubes located on the superior torso are capped, thus not allowing fluid to exit the model. If the blue end caps are removed, fluid flow through the fallopian tubes will occur, causing the fluid to escape through the tubes. Thus, not allowing for full distension of the endometrial cavity.
3. Using a speculum, distend the tissue of the vaginal canal, allowing you to visualize the cervix.



Take care not to overextend the vaginal canal, or damage to your model may occur.

4. Place the Sonohysterography catheter into the cervix and inflate the catheter's balloon with saline, thus providing a seal between the catheter balloon and the cervical wall.



DO NOT overinflate the catheter balloon. Take care as to only inflate the catheter balloon to create a seal between the cervix and the balloon. Overinflating the balloon can cause damage to the cervix, which will require repair by Blue Phantom™ personnel or a Blue Phantom™ trained technician.

5. Remove the speculum.
6. Utilizing the transvaginal ultrasound transducer per the manufacturer's instructions, obtain images of the pelvic contents. Refer to *Chapter 4: Utilizing Your Training Model—Using Your Training Model* section on page 6 of this user guide for more information.
7. Infuse saline into the uterus to distend the endometrium allowing for visualization of the endometrial lining.



DO NOT overinflate the uterus as damage to the model will occur.

8. Remove the fluid in the uterus using a syringe connected to the catheter, or deflate the catheter allowing the fluid to exit the model. Fluid left in the model will not cause damage, but the model should be positioned to allow the fluid to flow out of the model at the end of the procedure.



DO NOT leave the uterus inflated with fluid or the catheter's balloon inflated for extended period of time after the completion of training or damage to the model can occur.

Performing a Transvaginal Sonosalpingography Procedure

1. Place the model on a clean, hard, flat surface. Position your model in the supine position.
2. Verify that the fallopian tube extension tubes located on the superior torso are un-capped, thus allowing fluid to exit the model. If the blue end caps are removed, fluid flow through the fallopian tubes will occur, causing the fluid to escape through the tubes. Thus, allowing for fluid flow through the fallopian tubes.



DO NOT infuse fluid into the fallopian tubes until you remove the blue end caps; take care not to lose the blue end caps.

3. Using a speculum, distend the tissue of the vaginal canal, allowing you to visualize the cervix.



Take care not to overextend the vaginal canal, or damage to your model may occur.

4. Place the appropriate catheter into the cervix and inflate the catheter's balloon with saline, thus providing a seal between the catheter balloon and the cervical wall.



DO NOT overinflate the catheter balloon. Take care as to only inflate the catheter balloon to create a seal between the cervix and the balloon. Overinflating the balloon can cause damage to the cervix, which will require repair by Blue Phantom™ personnel or a Blue Phantom™ trained technician.

5. Advance the catheter into the uterus to the appropriate position near the fallopian tubes.
6. Infuse saline into the uterus which will distend the endometrium and allow for flow into the fallopian tubes.
7. Remove the speculum.
8. Utilizing the transvaginal ultrasound transducer per the manufacturer's instructions, obtain images of the pelvic contents. Refer to *Chapter 4: Utilizing Your Training Model—Using Your Training Model* section on page 6 of this user guide for more information.



DO NOT overinflate the uterus as damage to the model will occur.

9. Remove the fluid in the uterus using a syringe connected to the catheter, or deflate the catheter allowing the fluid to exit the model. Fluid left in the model will not cause damage, but the model should be positioned to allow the fluid to flow out of the model at the end of the procedure.



DO NOT leave the uterus inflated with fluid or the catheter's balloon inflated for extended period of time after the completion of training or damage to the model can occur.

Caring for Your Training Model

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Proper Use and Care

Proper care of your training model will result in years of utility. Please heed all instructions contained in this user guide when using your model.

Cleaning Your Training Model

External Cleaning Instructions

After each use, your model can be easily cleaned using mild soapy water. For best results, mix one part liquid soap with one part tap water. Gently rinse the external platform with the soapy water to remove any accumulated ultrasound gel or debris. You may dry with a paper towel or let the model air dry.

Internal Cleaning Instructions

Your model will rarely require internal cleaning. With substantial use, you can expect to clean the internal anatomy of your pelvic model approximately once every six months. You will know your model needs to be cleaned when there is a decline in the quality of the ultrasound image. Cleaning is easily accomplished using a feminine douching product. Please follow the instructions below.

1. Purchase a feminine douche from a drugstore.
2. Remove the cleaning kit from the carrying case and take off the plastic covering.
3. Using one hand to stabilize the bottle, grab the tip of the cap and pull superiorly until the insertion cap locks into place.
4. With your model in the proper supine orientation, insert the cleaning tip into the vaginal opening. Empty half the contents into the model.
5. Carefully prop the model upright to allow contents to drain. It is not necessary to swab out the cavity of the model after cleaning as long as the model is placed in an upright position.
6. Use paper towels to remove any remaining gel that empties from the vaginal cavity.
7. To store the cleaning kit for later use, simply push the insertion tip back into the bottle until it locks into place. This will prevent any liquid from leaking. Place the cleaning kit at room temperature in the model's soft storage case or other convenient location.

Cleaning the Privacy Skirt

On occasion, you may notice that your model's privacy skirt requires cleaning. The privacy skirt is machine washable. Please do not use any soap or detergent and wash on the gentle cycle with COLD WATER ONLY. Warm or hot water will damage the fabric. Please air dry the privacy skirt as a conventional dryer will damage the fabric.

Storing Your Model

The model can be stored at room temperature either in the provided soft storage case or in the open. When utilizing the soft storage case, please be sure to seat the model on the foam block to prevent damage during storage. If storing in the open, please allow ample storage space for the model.



Care must be taken when placing the model in a posture other than the supine position. **DO NOT** prop the transvaginal model up for more than a few hours as the foam legs may endure permanent contour damage.

Before storing your model, please place the privacy skirt on the model using the instructions below.

1. To dress your model, position the privacy skirt on a table with the logo face down.
2. Place the transvaginal model in the supine position in the center of the privacy skirt.
3. Wrap the skirt around the hips of the model and secure with Velcro strips. If the skirt is properly oriented the two ends of the skirt should lie flat between the legs.

Blue Phantom™ Customer Support

Blue Phantom™ is committed to providing you with superb products and uncompromising customer support. Should you require assistance feel free to contact us directly at:

Telephone: (425)881-8830

Email: customersupport@bluephantom.com

Web: www.bluephantom.com

