

PleurX[®] catheter system catalog

New indication: The PleurX pleural catheter can be used in place of a chest tube to deliver talc slurry or bleomycin, giving you an additional treatment option.

Help your patients manage recurrent pleural effusions and malignant ascites at home

The PleurX[®] catheter system is the easy-to-use and effective choice for managing recurrent pleural effusions and malignant ascites at home. The system includes an indwelling catheter and vacuum bottles that provide quick, effective drainage—without draining unnecessary time, costs and energy.

The PleurX catheter system includes a comprehensive portfolio of products that support:

- Catheter placement and maintenance
- Patient education and training
- Safe and effective drainage



PleurX[®]



Why choose the PleurX system for your patients?

The PleurX system helps your patients take control by enabling them to manage fluid from pleural effusions or malignant ascites at home.

Proven solution

- Has been used to treat more than 300,000 patients since 1997
- Has been referenced in more than 30 peer-reviewed journal articles
- Reports a documented < 3% infection rate and < 5% occlusion rate*
- Is also indicated for spontaneous pleurodesis
- Includes a proprietary valve to help reduce the risk of misconnections
- Promotes safe and effective drainage with active vacuum technology
- Can be utilized in many specialty areas (e.g., thoracic surgery, pulmonology/ interventional pulmonology, interventional radiology)

Patient focus

- Ranks highly as a preferred drainage option for patients based on a clinical study vs. alternatives such as video-assisted thoracoscopic surgery**
- Helps eliminate hospital visits for repeat thoracentesis or paracentesis
- Includes a starter kit with patient education materials, instructions and drainage supplies
- Features a dedicated team of specialists available for supply orders and support
- Aligns with coverage in more than 1,000 national- and state-level health plans

Clinical support

- Supports establishment of policies with dedicated clinical education nurses to help reduce workflow and increase effectiveness
- Offers education through lecture programs presented by published, nationally recognized experts in the field
- Provides web-based or on-site training from per diem nurses to ensure your staff is comfortable using the PleurX catheter system

* Warren, W., Kim, A., Liptay, M. Identification of clinical factors predicting PleurX catheter removal in patients treated for malignant pleural effusion. *Eur J Cardiothorac Surg*, January 2008, 33(1):89-94.

** Warren, W., Kalimi, R., Khodadadian, L., Kim, A. et al. Management of malignant pleural effusions using the PleurX catheter. *Ann Thorac Surg*, March 2008, 85(3):1049-1055.

New indication: The PleurX pleural catheter can be used in place of a chest tube to deliver talc slurry or bleomycin, giving you an additional treatment option.



PleurX system



1. Vacuum bottle

Active vacuum technology drains quickly and comfortably without the need for gravity. Bottles are available in 500 mL and 1,000 mL sizes.

2. Proprietary safety valve

Valve helps prevent inadvertent passage of air or fluid through the catheter. It also helps reduce the risk of misconnection that may occur with a standard luer connection.

3. Polyester cuff

This promotes tissue ingrowth to help reduce infection risk and hold the catheter securely in place.

4. 15.5 Fr silicone catheter

Soft and flexible catheter conforms to the pleural or peritoneal space and minimizes insertion-site discomfort.

5. Beveled fenestrations

Large, smooth fenestrations with beveled edges promote drainage and help prevent occlusions.

Ordering information

Cat. no.	Description	Qty. (cs.)
50-7700	PleurX pleural catheter and starter kit with four 1,000 mL bottles	1
50-9900	PleurX peritoneal catheter and starter kit with four 1,000 mL bottles	1
50-7000B	PleurX pleural catheter kit	1
50-9000B	PleurX peritoneal catheter kit	1
50-0075	PleurX starter kit with four 500 mL drainage kits	1
50-0071	PleurX starter kit with four 1,000 mL drainage kits	1
50-7500B	PleurX drainage kit with 500 mL vacuum bottle	10
50-7510	PleurX drainage kit with 1,000 mL vacuum bottle	10
50-7235	PleurX replacement valve cap	10
50-7245	PleurX lockable drainage line	10
50-7265	PleurX lockable drainage line kit	5
50-7262	PleurX supplemental insertion kit	5
50-7280	PleurX catheter access kit	5
50-7290	PleurX procedure pack	5

Catheter placement kits and accessories

PleurX catheter and starter kit 50-7700 and 50-9900

The PleurX catheter and starter kit contains the items needed for catheter placement as well as vacuum bottles with patient education and training materials to help ensure a smooth transition to a home or alternative care center. The PleurX catheter kit contains the components needed for catheter placement and initial drainage. The starter kit ensures patients have the drainage supplies they need upon discharge and includes training materials to help patients and caregivers confidently drain at home.

PleurX pleural (50-7700) or peritoneal (50-9900) kits contain:

1. Preparation components

- ChloroPrep® 10.5 mL applicators with Hi-Lite Orange® tint (*qty. 2*)
- Fenestrated drape
- Filter Straw® filter
- Lidocaine hydrochloride (HCL) USP, 1%, 5 mL (*qty. 3 ampoules*)
- SafetyGlide™ needle, 22 G x 1½" (*3.8 cm*)
- SafetyGlide needle, 25 G x 1" (*2.5 cm*)
- Syringe, 10 mL

2. Placement components

- PleurX catheter (*15.5 Fr*)
 - 66 cm (*pleural*)
 - 71 cm (*peritoneal*)
- Safety scalpel
- Guidewire introducer with needle
- Syringe, 10 mL
- J-tip guidewire, 60 cm
- Forceps
- Dilator, 12 Fr
- Peel-away introducer, 16 Fr (*pleural*)
 - 13.7 cm dilator length, 10 cm sheath length
- Valved peel-away introducer, 16 Fr. (*peritoneal*)
 - 17.8 cm dilator length, 14 cm sheath length
- Tunneler
- Needle foam stop
- Catheter insertion stylet

3. Closing components

- Tweezer
- Silk suture, 2-0 straight needle
- Absorbable suture, 4-0 curved needle

4. Drainage components

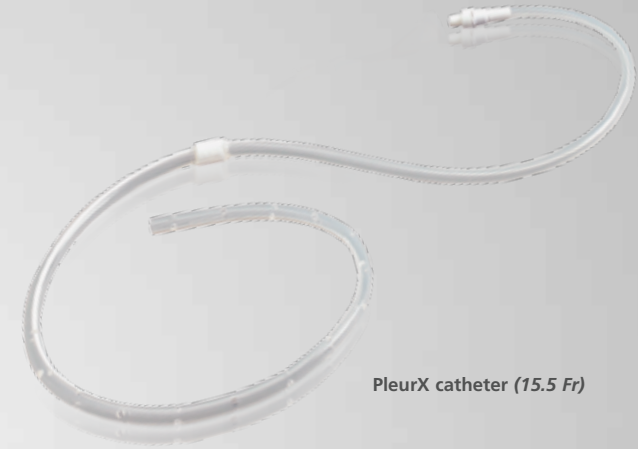
- Lockable drainage line with access tip
- Needle, 17 G x 1" (*2.5 cm*)
- 5-in-1 drainage line adapter
- Valve cap
- Alcohol pad

5. Dressing components

- Gauze pads, 4" x 4" (*10.2 cm x 10.2 cm, [qty. 6]*)
- Foam catheter pad
- Self-adhesive dressing
- Lot number sticker (*for traceability*)



PleurX catheter kits are also available separately with cat. no. 50-7000B (*pleural*) and 50-9000B (*peritoneal*). Pleural kit shown.



PleurX catheter (15.5 Fr)

Starter kit components

- PleurX drainage kit, including 1,000 mL bottles and procedure packs (*qty.* 4)
- Convenient carrying box
- Patient information kit

Patient information kit components

- Patient education DVD
- Introductory letter with ordering information
- Frequently asked questions (FAQ) brochure
- *Instructions for Use* booklet
- Reference wall chart
- Emergency information card
- Drainage log



Starter kits are also available separately with 500 mL bottles (*cat. no.* 50-0075) and 1,000 mL bottles (*cat. no.* 50-0071).

Catheter placement kits and accessories

PleurX supplemental insertion kit 50-7262

The supplemental insertion kit aids percutaneous insertion of the PleurX catheter into the pleural or peritoneal space. The orange stylet occludes the fenestrations in the catheter, helping reduce the amount of fluid leakage during catheter placement. The stylet also makes the catheter more rigid for ease of insertion into the valved introducer. The valved introducer helps reduce air entering into and fluid leaking from the pleural or peritoneal space.

Insertion kit components

- Catheter insertion stylet
- Valved peel-away introducer





“The PleurX system puts drainage completely in my control. My life is my own again.”

E.K., PleurX patient, McHenry, IL

“The PleurX system has dramatically improved my quality of life.”

L.R., PleurX patient, Boston, MA



Drainage kits and accessories

PleurX drainage kit 50-7500B (500 mL) and 50-7510 (1,000 mL)

The PleurX drainage kit includes a procedure pack that provides the components needed each time the patient drains fluid.

Each drainage kit (50-7500B and 50-7510) contains:

- Plastic vacuum bottle with attached drainage line

Procedure pack components

- Blue wrapping
- Alcohol pads (qty. 3)
- Pair of gloves
- Valve cap
- Blue emergency slide clamp
- Gauze pads, 4" x 4" (10.2 cm x 10.2 cm, [qty. 4])
- Foam catheter pad
- Self-adhesive dressing



PleurX drainage kit 50-7500B (500 mL)
and 50-7510 (1,000 mL)

PleurX procedure pack 50-7290

The PleurX procedure pack allows patients to change dressings with a clean technique and sterile supplies even when they do not need to drain.

Procedure pack components

- Blue wrapping
- Alcohol pads (qty. 3)
- Pair of gloves
- Valve cap
- Blue emergency slide clamp
- Gauze pads, 4" x 4" (10.2 cm x 10.2 cm, [qty. 4])
- Foam catheter pad
- Self-adhesive dressing



PleurX procedure pack 50-7290

Drainage kits and accessories

PleurX lockable drainage line kit 50-7265

The PleurX lockable drainage line drains fluid through the PleurX catheter using portable or wall suction instead of PleurX vacuum bottles. The lockable drainage line is available separately or in a convenient kit with procedure pack components. The procedure pack provides the components necessary to change the dressing with a clean technique and sterile supplies. The lockable drainage line 50-7245 includes the drainage line and 5-in-1 adapter only.

Lockable drainage line kit components

- Drainage line
- 5-in-1 adapter
- Blue wrapping
- Alcohol pads (*qty. 4*)
- Pair of gloves
- Valve cap
- Blue emergency slide clamp
- Gauze pads, 4" x 4" (*10.2 cm x 10.2 cm, [qty. 4]*)
- Foam catheter pad
- Self-adhesive dressing



PleurX lockable drainage line 50-7245

PleurX replacement valve cap 50-7235

The PleurX valve cap protects the catheter from contamination and helps maintain a clean drainage pathway. A valve cap is included in the PleurX drainage kit and should be replaced each time the patient drains. The cap is also available separately (50-7235) in case additional replacements are needed.



PleurX replacement valve cap 50-7235

PleurX catheter access kit 50-7280

The PleurX catheter access kit is intended to provide intermittent access to the PleurX catheter to inject or withdraw fluids, administer sclerosing agents (*talc slurry* or *bleomycin*), or perform catheter maintenance (*saline flushing* or *declotting*). Combine the catheter access kit with the PleurX procedure pack (50-7290) for the components necessary to change the dressing using a clean technique and sterile supplies.

Catheter access kit components

- Syringe, 10 mL
- Lockable access tip with needleless access valve
- Blue wrapping
- Replacement valve cap
- Alcohol pads (*qty. 2*)
- Blue emergency slide clamp



Catheter access kit assembled with catheter. Catheter not included.

The PleurX catheter system has been referenced in more than 30 peer-reviewed journal articles, including:

- 1 Warren, W., Kim, A., Liptay, M. Identification of clinical factors predicting PleurX catheter removal in patients treated for malignant pleural effusion. *Eur J Cardio Thorac Surg*, January 2008, 33(1):89–94.
- 2 Putnam, J., Light, R., Rodriguez, R., Ponn, R. et al. A randomized comparison of indwelling pleural catheter and doxycycline pleurodesis in the management of malignant pleural effusions. *Cancer*, November 1999, 86(10):1992–1999.
- 3 Lungren, M., Kim, C., Steward, J., Smith, T. et al. Tunneled peritoneal drainage catheter placement for refractory ascites: single-center experience in 188 patients. *J Vasc Interv Radiol*, September 2013, 24(9):1303–1308.
- 4 Courtney, A., Nemcek, A., Rosenberg, S., Tutton, S. et al. Prospective evaluation of the PleurX catheter when used to treat recurrent ascites associated with malignancy. *J Vasc Interv Radiol*, December 2008, 19(12):1723–1731.
- 5 Musani, A., Haas, A., Seijo, L., Wilby, M. et al. Outpatient management of malignant pleural effusions with small-bore, tunneled pleural catheters. *Respiration*, November - December 2004, 71(6):559–566.
- 6 Putnam, J., Walsh, G., Swisher, S., Roth, J. et al. Outpatient management of malignant pleural effusion by a chronic indwelling pleural catheter. *Ann Thorac Surg*, February 2000, 69(2):369–375.
- 7 Tapping, C.R. Ling, L., Razack, A. PleurX drain use in the management of malignant ascites: safety, complications, long-term patency and factors predictive of success. *Br J Radiol*, May 2012; 85(1013): 623–628.
- 8 Warren, W., Kalimi, R., Khodadian, L., Kim, A. Management of malignant pleural effusions using the PleurX catheter. *Ann Thorac Surg*, March 2008, 85(3):1049–1055.
- 9 Tremblay, A., Mason, C., Michaud, G. Use of tunneled catheters for malignant pleural effusions in patients fit for pleurodesis. *Eur Respir J*, October 2007, 30(4):759–762.
- 10 Tremblay, A., Michaud, G. Single-center experience with 250 tunneled pleural catheter insertions for malignant pleural effusion. *Chest*, February 2006, 129(2):362–368.
- 11 Richard, H., Coldwell, D., Boyd-Kranis, R., Murthy R. et al. PleurX tunneled catheter in the management of malignant ascites. *J Vasc Interv Radiol*, March 2001, 12(3):373–375.
- 12 Haas, A., Sterman, D., Musani, A. Malignant pleural effusions: management options with consideration of coding, billing, and a decision approach. *Chest*, September 2007, 132(3):1036–1041.
- 13 Pien, G., Gant, M., Washam, C., Sterman, D. Use of an implantable pleural catheter for trapped lung syndrome in patients with malignant pleural effusion. *Chest*, June 2001, 119(6):1641–1646.
- 14 Khaleeq, G., Musani, A. Emerging paradigms in the management of malignant pleural effusions. *Respir Med*, July 2008, 102(7):939–948.
- 15 Lee, Y., Light, R. Management of malignant pleural effusions. *Respirology*, June 2004, 9(2):148–156.
- 16 Brubacher, S., Gobel, B. Use of the PleurX Pleural Catheter for the management of malignant pleural effusions. *Clin J Oncol Nurs*, January - February 2003, 7(1):35–38.
- 17 Ohm, C., Park, D., Vogen, M., Bendick, P. et al. Use of an indwelling pleural catheter compared with thorascopic talc pleurodesis in the management of malignant pleural effusions. *Am Surg*, March 2003, 69(3):198–202.
- 18 Van den Toorn, L., Schaap, E., Surmont, V., Pouw, E. et al. Management of recurrent malignant pleural effusions with a chronic indwelling pleural catheter. *Lung Cancer*, October 2005, 50(1):123–127.
- 19 Tremblay, A., Patel, M., Michaud, G. Use of tunneled pleural catheters in malignant mesothelioma. *J Bronchol*, October 2005, 12(4):203–206.
- 20 Moffett, P., Moffett, B., Laber, D. Diagnosing and managing suspected malignant pleural effusions. *J Support Oncol*, July - August 2009, 7(4):143–146.
- 21 Sioris, T., Sihvo, E., Salo, J., Räsänen, J. et al. Long-term indwelling pleural catheter (PleurX) for malignant pleural effusion unsuitable for talc pleurodesis. *Eur J Surg Oncol*, May 2009, 35(5):546–551.
- 22 Mercky, P., Sakr, L., Heyries, L., Lagrange, X. et al. Use of a tunneled pleural catheter for the management of refractory hepatic hydrothorax: a new therapeutic option. *Respiration*, February 2010, 80(4):348–352.
- 23 Davies, H., Rahman, N., Parker, R., Davies, R. Use of indwelling pleural catheters for chronic pleural infection. *Chest*, February 2008, 133(2):546–549.
- 24 Pollak, J., Burdge, C., Rosenblatt, M., Houston, J. et al. Treatment of malignant pleural effusions with tunneled long-term drainage catheters. *J Vasc Interv Radiol*, February 2001, 12(2):201–208.
- 25 Schrader, J., Ferson, P. Managing recurrent pleural effusions with an indwelling pleural catheter. *JAAPA*, May 2009, 22(5):27–28, 33–34.
- 26 Rosenberg, S. Palliation of malignant ascites. *Gastroenterol Clin North Am*, March 2006, 35(1):189–199.
- 27 Behrendt, R. Management of malignant ascites: Current treatment options. *Oncology Nursing News*, January 2008, 2(1):1–16.
- 28 Brooks, R., Herzog, T. Long-term semi-permanent catheter use for the palliation of malignant ascites. *Gynecol Oncol*, May 2006, 101(2):360–362.
- 29 Suzuki, K., Servais, E., Rizk, N., Solomon, S. et al. Palliation and pleurodesis in malignant pleural effusion: The role for tunneled pleural catheters. *J Thorac Oncol*, April 2011, 6(4):762–767.
- 30 Van Meter, M., McKee, K., Kohlwees, R. Efficacy and safety of tunneled pleural catheters in adults with malignant pleural effusions: A systematic review. *J Gen Intern Med*, January 2011, 26(1):70–76.
- 31 Puri, V., Prydeck, T., Crabtree, T., Kreisel, D. et al. Treatment of malignant pleural effusion: a cost-effectiveness analysis. *Ann Thorac Surg*, August 2012, 94(2):374–379.
- 32 Reddy, C., Ernst, A., Lamb, C., Feller-Kopman, D. Rapid pleurodesis for malignant pleural effusions: a pilot study. *Chest*, June 2011, 139(6):1419–1423.

To order or learn more about how CareFusion can assist you in your efforts to bring this valuable treatment to more patients, contact your Interventional Specialties sales representative, call Customer Service at **800.323.9088** or visit carefusion.com/PleurX.

CareFusion
Vernon Hills, IL

carefusion.com

