



Clearing the Pathway to Recovery

PLEURA FLOW™

Active Tube
Clearance System



Clearing the Pathway to Recovery

Prevents clogging within chest tubes
after heart, lung, and trauma surgery

The PleuraFlow Catheter System is inserted between the chest tube and the drainage tubing. It contains a guide wire with a distal loop that rests at the end of the tube. The system uses the loop to morcellate and scoop back clot towards the drainage canister. The PleuraFlow Catheter System is driven by a proprietary magnetic drive to maintain a sterile environment within the tube.

□ Direct: The Pleuraflow™, active tube clearance system, is packaged with a standard 32 F chest tube, allowing surgeons and nurses to insure chest tube patency for their cardiothoracic patients. For minimally-invasive scenarios, the system comes with a 20 F version.

□ Fast: The Pleuraflow™ system is quick and easy to use at the ICU bedside.

□ Cost-effective: The Pleuraflow™ System can save significant costs by minimizing nursing time in managing clogging chest tubes, as well the complications that ensue when clogging occurs.

Kontakt Information/Bestellung:

MIN MEDICAL INNOVATION NETWORK
Franz Schalk Platz 9/2 | 1130 Wien
Österreich

Telefon Österreich: +43 676 4177829

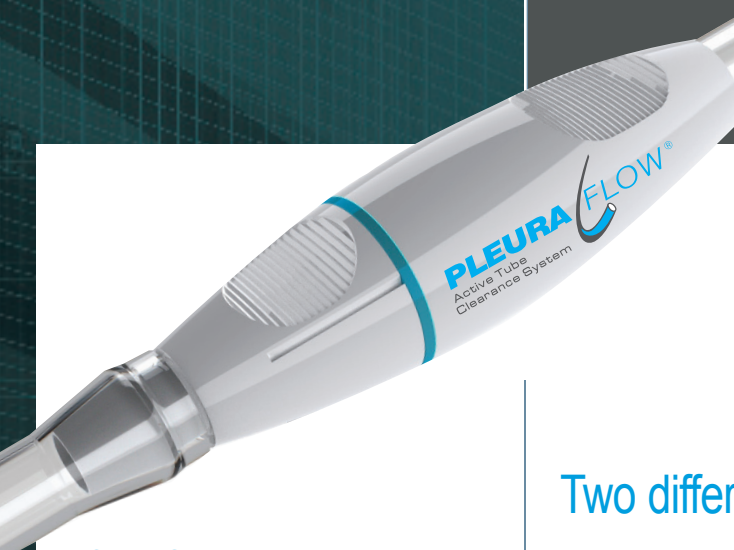
Telefon Deutschland: +49 1577 9369979

kundenservice@medicalinnovation.eu

www.medicalinnovation.eu



Clearing the Pathway to Recovery



PLEURA FLOW™
Active Tube
Clearance System

Two different sizes, for two different clinical scenarios:

PF-32:
32Fr PleuraFlow
For standard cases

PF-20:
20Fr PleuraFlow
For minimally invasive cases

Our Survey

Clear Catheter Systems surveyed over 100 surgeons and nurses who regularly use chest tubes. Our survey results are clear: Chest tubes clog, chest tubes are painful, managing chest tube clogging takes time, and using smaller diameter tubes is often risky. One hundred percent of surgeons surveyed have seen chest tubes clot, and an overwhelming majority have seen adverse patient outcomes related to clogging.

Surgeons on Clogging

"Chest tubes always form clots and one is unsure whether or not a clear chest tube does in fact mean no bleeding which is usually not the case. There should be a better design."

Nurses on Clogs and Time

"Trying to get a chest tube clot out takes time - time in which I could be doing something else."

"Seems like most of the clogging is closest to the patient end, where it is difficult to strip."

*Chest Tube Selection in Cardiac and Thoracic Surgery: A Survey of Chest Tube-Related Complications and Their Management. *Journal of Cardiac Surgery* 2009;24:503-509



Recently awarded the prestigious European Association of Cardio-Thoracic Surgery (EACTS) Techno-College Innovation Award for its PleuraFlow Active Tube Clearance System. The Techno-College Award is a worldwide competition to identify innovations that have the potential to change the standard of care in heart and lung surgery. The award was established by the EACTS to recognize the most important technological breakthroughs related to thoracic and cardiovascular surgery.

How Our Product Works The PleuraFlow was developed to keep chest tubes free of clot to maximize drainage and minimize drainage related complications. The PleuraFlow Chest tube is a full length chest tube and is inserted and secured in the usual fashion. It is connected to a guide tube which is connected to a standard chest drainage system. Within the guide tube there is guide wire with a loop on its tip that can be used to clean the inside of the tube. The loop is advanced and retracted with a proprietary magnetic drive system. When the shuttle guide is moved along the guide tube, the external magnet moves the guide wire in and out of the chest tube, allowing the chest tube to be cleaned without breaking the sterile field.

