

# Scisense 7F Catheter Usage Guide

Transonic Scisense 7F Pressure-Volume (PV) Catheters are intended for cardiac Pressure-Volume research. Transonic Scisense 7F Pressure & PV Catheters are intended for animal research models such as pig, sheep and cattle. The Catheters and associated electronics are NOT meant for human use of any kind.

The Catheter has been designed to provide several surgical options. The tip is configurable for various modes of insertion. The Catheter has a central lumen for either a 0.035" guidewire or injection port. A guidewire is included with the Catheter.

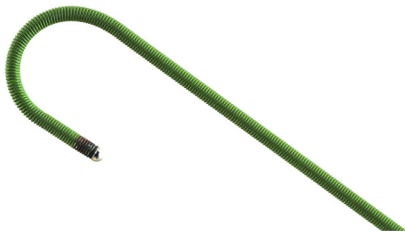
**THE GUIDEWIRE IS AN INTEGRAL PART OF THE CATHETER STRUCTURE AND MUST BE IN PLACE WHILE THE CATHETER IS BEING INSERTED OR WITHDRAWN.**

**FAILURE TO USE THE GUIDEWIRE DURING INSERTION/WITHDRAWAL MAY RESULT IN THE OUTER SHEATH KINKING AND INVALIDATING THE WARRANTY.**

## Catheter Specifications

- Outer Sheath: Polyurethane tube reinforced with flat wound SS wire
- Inner Sheath: 0.040" ID polyimide
- Guide wire: 0.035" recommended & supplied
- Functional lengths 110 cm
- Tip: 20% barium filled pigtail 1.2 cm radius closed end
- Electrical connection: Scisense proprietary HDMI style connector
- Single Piezo resistive pressure sensor located 25 mm from distal end of Catheter

## Accessories for Scisense 7F Pressure & PV Catheters



Supplied Guidewire (FA-70GW1): 0.035" X 150 cm long J tip guidewire

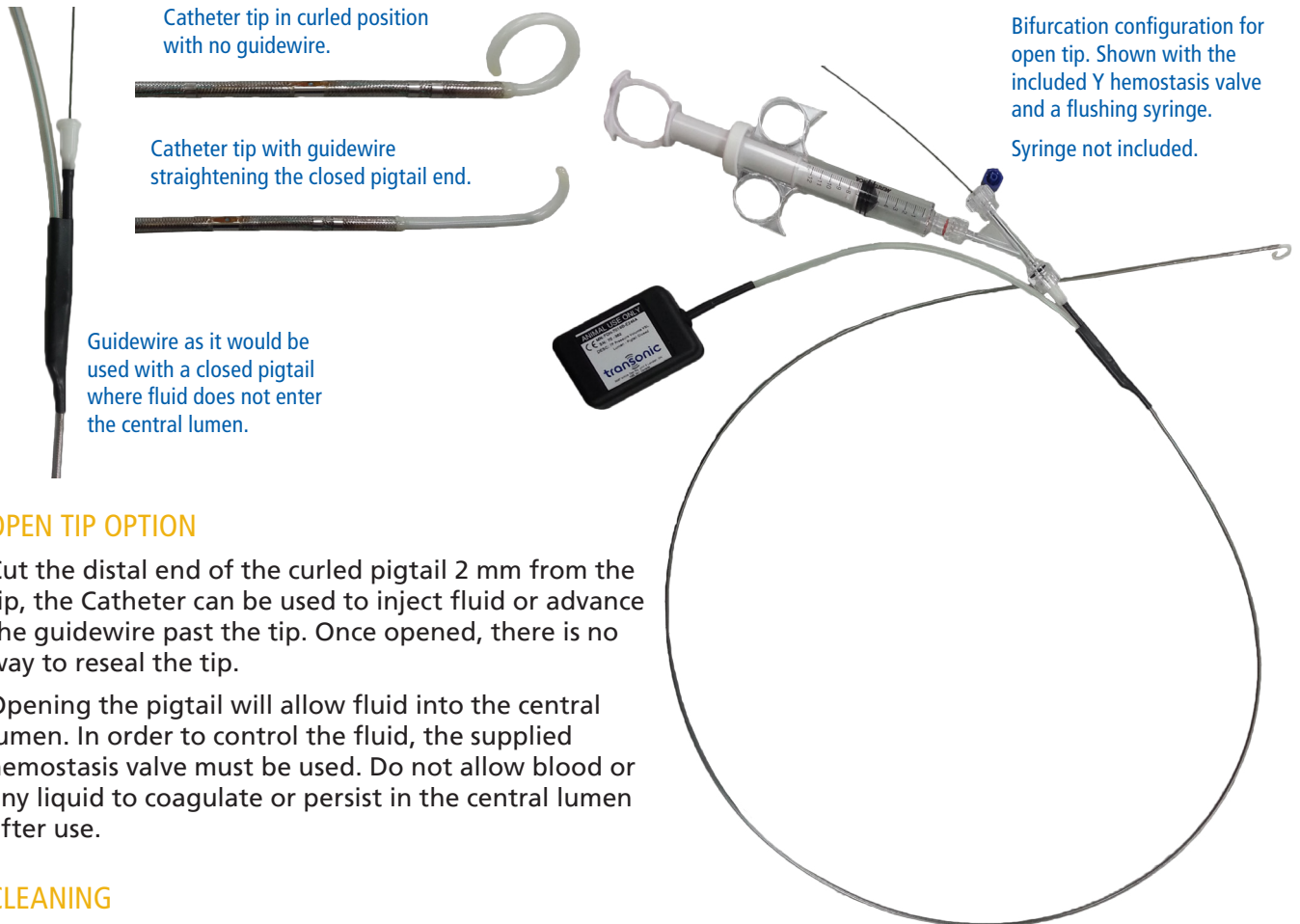


Supplied Hemostasis Valve with Cap (FA-70HV1)  
Cap not shown.



10F-12F Introducer  
(Recommended, not supplied)

# 7F Catheter Usage Guide Cont.



Catheter tip in curled position with no guidewire.

Catheter tip with guidewire straightening the closed pigtail end.

Guidewire as it would be used with a closed pigtail where fluid does not enter the central lumen.

Bifurcation configuration for open tip. Shown with the included Y hemostasis valve and a flushing syringe.

Syringe not included.

## OPEN TIP OPTION

Cut the distal end of the curled pigtail 2 mm from the tip, the Catheter can be used to inject fluid or advance the guidewire past the tip. Once opened, there is no way to reseal the tip.

Opening the pigtail will allow fluid into the central lumen. In order to control the fluid, the supplied hemostasis valve must be used. Do not allow blood or any liquid to coagulate or persist in the central lumen after use.

## CLEANING

See Scisense Catheter Cleaning Instructions. If the lumen has been opened at the tip, then the central lumen must also be cleaned with the appropriate enzymatic cleaner. For best results clean Catheters immediately after use.

## STORING OF CATHETER

Transonic Scisense recommends that the Catheter be stored in the original package. Special care should be taken so as to not compress the pressure sensing element in the anti-static foam.



Transonic Systems Inc. is a global manufacturer of innovative biomedical measurement equipment. Founded in 1983, Transonic sells "gold standard" transit-time ultrasound flowmeters and monitors for surgical, hemodialysis, pediatric critical care, perfusion, interventional radiology and research applications. In addition, Transonic provides pressure and pressure volume systems, laser Doppler flowmeters and telemetry systems.

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