

ModCath™

NEW Rapid Exchange (RX) Catheters

Accelerate R&D with modular balloon catheters
delivered in as little as two weeks.

Fast Prototypes

ModCath™ Online Design Tool can get a balloon catheter prototype built to your specifications and in your hands in as little as two weeks, dramatically shrinking project timelines, reducing project costs, and ultimately, speeding time to market.

Industry-Standard Platforms with Outstanding Options

ModCath is based on industry-standard catheter platforms. Start by selecting your balloon or catheter type, then choose from a range of technically compatible options. ModCath offers more than 200 balloon options in Nylon, PET, or Polyurethane.

New rapid exchange (RX) catheters complement Vention's over the wire (OTW) catheter designs, giving you more options to meet your design needs and user preferences.

Vention is continually adding modular options for complete balloon catheters, including:

- Catheter type (RX, OTW)
- Balloon material (PET, Nylon, Polyurethane)
- Balloon size
- Catheter working length (up to 140 cm)
- Distal tip geometry and length (3 mm - 7 mm)
- Number and spacing of radiopaque markers and visual shaft markers
- Number of balloon folds
- Coaxial & dual lumen shaft configurations
- Packaging (straight or coiled)
- Lubricious coating to reduce friction

Time and Cost Savings

ModCath helps you make design iterations faster, speeding initial evaluation of prototypes for proof of concept. If your project needs further customization, leveraging components from your ModCath design can minimize costs and give you a head start on production.

Catheter and Balloon Specifications Click a box in the grid to see a list of options.

BALLOON SELECTION LIST

DIAMETER RANGE (mm)	SHAPE	OVERALL LENGTH (mm)	MATERIAL	MAX INFLATION VOLUME (ml)	MAX INFLATION DIAMETER (mm)	GUIDEWIRE SIZE COMPATIBILITY (F)	ESTIMATED DELIVERY
2-5		4	Urethane Very Low Durometer	0.6	5	0.014	2 weeks
2-5		4	Urethane Low Durometer	1	5	0.014	2 weeks
18-30		27.5	Urethane Very Low Durometer	10	30	0.035	2 weeks
18-30		27.5	Urethane Low Durometer	15	30	0.035	2 weeks
40-55		55	Urethane Very Low Durometer	115	55	0.035	2 weeks
40-55		55	Urethane Low Durometer	125	55	0.035	2 weeks

Available Options

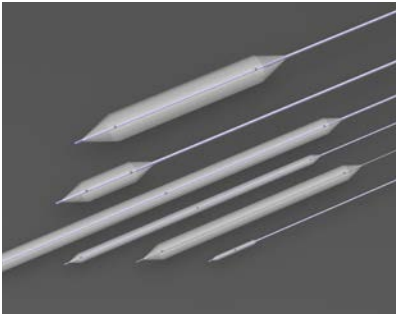
CATHETER TYPE: Over The Wire, Coaxial
BALLOON TYPE: Low Pressure (Compliant)

Not finding what you're looking for? Click here for custom development.

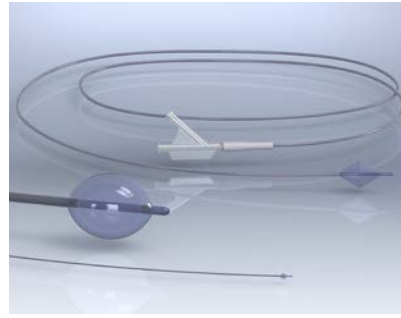
Tip Geometry: Tapered
Radiopaque Markers: 0
Visual Shaft Markers: 2
Shaft Marker Position: 10-140 cm
Balloon Folding: Non-Folded
Packaging: Straight

DELIVERED IN AS LITTLE AS TWO WEEKS

ModCath brings together Vention's expertise in medical balloons, extrusions, and catheter assembly to create an innovative solution to fast-track your design project. Start your project at ventionmedical.com/ModCath or contact us to discuss semi-custom or custom development.



High pressure (non-compliant / semi-compliant) balloons



Low pressure (compliant) balloons

Quality Catheters

ModCath's high-quality prototype catheters are designed to be competitive with commercially available balloon catheters:

- Extremely low-profile balloons
- High-rated burst pressure (non-compliant/ semi-compliant balloons)
- Reliable occlusion (compliant balloons)
- Ultra-low profile tip
- Excellent trackability

Rapid Exchange (RX) Balloon Catheters



Shaft Option	0.014" Hypotube Shaft	0.018" Polymer Main Shaft
Construction	1.9Fr PTFE coated hypotube designed for superior kink resistance. 2.7 Fr Pebax® distal shaft. Overmolded hub and strain relief.	4.3 Fr Pebax® polymer main shaft for extra push and kink resistance and easy guidance through tortuous vessels
Advantages	<ul style="list-style-type: none"> • Optimal balance of push, kink resistance, trackability, and deflation times • Shorter guidewire for fast device exchanges and/or balloon placement for single operator 	
Balloon Material	Nylon	
Guidewire Platforms	0.014"	0.018"

Over the Wire (OTW) Balloon Catheters

Shaft Option	Coaxial	Dual Lumen
Construction	Two extrusions (tube within a tube) for guidewire and inflation lumens	Multi-lumen extrusion with guidewire and inflation lumens
Advantage(s)	<ul style="list-style-type: none"> • Proprietary tri-layer inner shaft with lubricious HDPE inner diameter for ease in guidewire tracking 	<ul style="list-style-type: none"> • Increased stiffness over coaxial design • Decreased inflation/deflation times due to larger inflation lumen
Balloon Material	PET, Nylon, Polyurethane	PET
Guidewire Platform(s)	0.014", 0.018", 0.035"	0.035"

Innovation at the speed of Vention.

Coming Soon to ModCath's Online Design Tool:

- Y-connector printing
- Radiopaque marker bands: radiopaque polymer

Not finding what you're looking for?

Contact us to discuss semi-custom or custom development.



Visit: ventionmedical.com/ModCath

Call: 1.603.327.0600

Email: info@ventionmedical.com