

STOCK AND CUSTOM MEDICAL BALLOONS

Vention's Advanced Polymers technology encompasses more than 25 years of experience in the design, development, and manufacture of non-compliant, semi-compliant and compliant medical balloons.

Let our experienced engineers work with you to develop a custom balloon for your application, or select a stock balloon from more than 100 balloons available immediately through our online store.



NON-COMPLIANT BALLOONS

- ▶ Ultra high-strength, thin-walled
- ▶ Burst pressures from 15–440+ psi (1–30+ atm)
- ▶ Compliance range: 0–7% (typical) radial expansion
- ▶ Sizes typically range from 0.5 to 60+ mm diameter and up to 350 mm length

SEMI-COMPLIANT BALLOONS

- ▶ High-strength, thin-walled
- ▶ Compliance range: 8–20% (typical) radial expansion
- ▶ Burst pressures typically range from 15–440+ psi (1–30+ atm)
- ▶ Sizes typically range from 0.5 to 60+ mm diameter and up to 350 mm length

COMPLIANT BALLOONS

- ▶ Low pressure, thin and thick-walled
- ▶ Burst pressures from 0–30 psi (0-2 atm)
- ▶ Compliance range: 20–200% or more
- ▶ Volume versus pressure inflation recommended
- ▶ Sizes range from 0.5 to 60+ mm or more in diameter and up to 350 mm length

BALLOON SURFACE ENHANCEMENTS

AVAILABLE FOR NON-COMPLIANT, SEMI-COMPLIANT AND COMPLIANT BALLOONS

- ▶ Coatings for puncture or abrasion resistance
- ▶ Coatings for lubricity
- ▶ Various surface texturing options

BENEFITS OF VENTION MEDICAL'S BALLOON OFFERINGS:

- ▶ Highest quality in the industry
- ▶ Extensive stock inventory of balloons available immediately
- ▶ Experienced engineers developing cutting edge solutions including:
 - Multi-lumen balloons
 - Braid-reinforced balloons for ultra-high strength
 - Lead times as short as 2 weeks

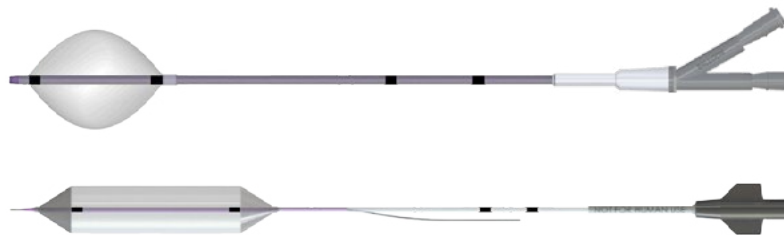
MATERIALS

- ▶ PET
- ▶ Polyurethane
- ▶ Nylon
- ▶ Thermoplastic Elastomers
- ▶ Nylon Elastomers

APPLICATIONS

- ▶ Angioplasty/Dilatation Catheters
- ▶ TAVI
- ▶ AAA
- ▶ Endovascular Graft Delivery
- ▶ Heat Transfer Catheters
- ▶ Positioning
- ▶ Stent Delivery
- ▶ Kyphoplasty
- ▶ Drug Delivery

NEED HELP DEVELOPING A FULLY ASSEMBLED BALLOON CATHETER?



To complement our extensive balloon offerings, Vention Medical also provides expertise in design, engineering, and manufacturing of catheter-based devices. With the ability to manufacture a full range of balloon catheters, we can bring your idea to life by providing flexible solutions to fit every design team's budget and timeline:

MODCATH ONLINE DESIGN TOOL

Get a modular balloon catheter prototype in as little as two weeks

SEMI-CUSTOM BALLOON CATHETERS

Leverage your ModCath design or choose from a wide range of stock balloon components to create a more customized catheter

CUSTOM BALLOON CATHETERS

Build a fully custom catheter from scratch

VENTION[®]
MEDICAL
Advancing your innovations for health

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