# Myval OctaPro+ THV System and Components Ordering Information

## Myval OctaPro+ Transcatheter Heart Valve (THV)

| Diameters | 20.0 mm | 21.5 mm | 23.0 mm | 24.5 mm | 26.0 mm | 27.5 mm | 29.0 mm | 30.5 mm | 32.0 mm |
|---|---|---|---|---|---|---|---|---|---|
| Product code | MOCTAPRP5200 | MOCTAPRP5215 | MOCTAPRP5230 | MOCTAPRP5245 | MOCTAPRP5260 | MOCTAPRP5275 | MOCTAPRP5290 | MOCTAPRP5305 | MOCTAPRP5320 |

## Navigator Pro THV Balloon Delivery System

| Diameters | 20.0 x 30 mm | 21.5 x 30 mm | 23.0 x 30 mm | 24.5 x 30 mm | 26.0 x 30 mm | 27.5 x 35 mm | 29.0 x 35 mm | 30.5 x 35 mm | 32.0 x 35 mm |
|---|---|---|---|---|---|---|---|---|---|
| Product code | NVPS220030 | NVPS221530 | NVPS223030 | NVPS224530 | NVPS226030 | NVPS227535 | NVPS229035 | NVPS230535 | NVPS232035 |

## 14 Fr Python Introducer Sheath

| Product code | PHT14 |
|---|---|

Compatible with all Myval OctaPro+ THV Diameters (20 mm to 32 mm)

## Mammoth OTW Balloon Catheter

| Diameters | 14.0 x 40 mm | 16.0 x 40 mm | 18.0 x 40 mm | 20.0 x 40 mm | 23.0 x 40 mm | 25.0 x 40 mm | 28.0 x 40 mm | 30.0 x 40 mm |
|---|---|---|---|---|---|---|---|---|
| Product code | MTV1440 | MTV1640 | MTV1840 | MTV2040 | MTV2340 | MTV2540 | MTV2840 | MTV3040 |

## Crocodial Compass Heart Valve Crimping Tool

| Product code | CCDC2 |
|---|---|

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These products are intended for use by or under the direction of a trained healthcare practitioner only. Prior to use, refer the instructions for use/IFU.
Illustrations are artist's representation and should not be considered as engineering drawings or photographs.
Myval OctaPro+ THV, Navigator Pro, Python, Mammoth & Crocodial Compass are CDSCO India approved & EU CE marked.
Please check the regulatory approval status of Myval OctaPro+ THV in your country.

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## About Meril (www.merillife.com)

Founded in 2006, Meril is a fast-growing global medical device company dedicated to the design and development of novel, clinically relevant, state-of-the-art and best-in-the-class devices to alleviate human suffering and improve quality of life.

With over 100 technology platforms, Meril's businesses span across –

- Cardio, Peripheral & Neuro Vascular Interventions
- Structural Heart Interventions
- Orthopedic Implants
- Surgical Robotics
- Endo-Surgical Solutions
- ENT Solutions
- In-Vitro Diagnostics – analyzers & reagents (including COVID-19 test portfolio)

HQ at Vapi, Gujarat, India, the company has 15,000+ employees with a large foot-print in India, direct operations in – USA, South America, UK, West Europe, East Europe, Russia, Middle East, Africa, South East Asia & Asia Pacific with presence in >100 countries.

Meril has a strong commitment to R&D, high-quality manufacturing, clinical and scientific research as well as training & education of its stake-holders (patients & care providers).










MOCTAPR+/BROCHURE/001/MLS/20251029/GLOBAL

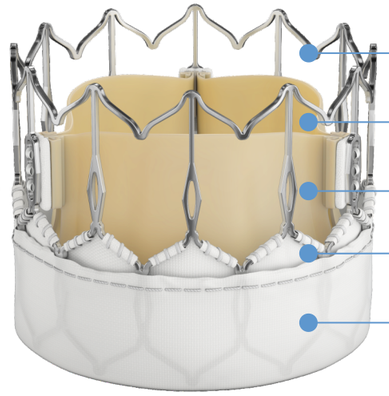
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# Aligned for future.

Myval OCTAPRO+
TRANSCATHETER HEART VALVE

# Myval OctaPro+ THV Design Philosophy



2-Row Hybrid Cell Design
Structure with 10–12%# foreshortening

Open cells at Outflow zone to preserve coronary flow

Closed cells at Inflow zone to minimize AR

≈ 55 %

≈ 45 %

Short frame height 19-23 mm

- Cobalt alloy frame for optimal radial strength & RO
- AntiCa* treated bovine pericardium tri-leaflet valve
- Naturally incorporated rhombus body for columnar strength
- Internal PET sealing skirt for minimizing AR & puncture resistance
- Higher & optimized external PET skirt to reduce paravalvular regurgitation (PVLs)
  - Asymmetric cusp geometry
  - Cusps with severe $Ca^{2+}$
  - Horizontal Aorta
  - Minimize learning curve

All THV Øs 20 - 32 mm compatible with 14Fr Python Introducer Sheath

Ø - 20 mm, 23 mm, 26 mm, 29 mm 21.5 mm, 24.5 mm, 27.5 mm, 30.5 mm & 32 mm

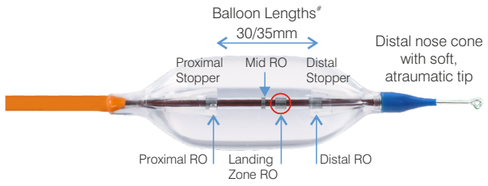
Octa = Interlacing octagons at the inflow zone
Pro = Easy to implant (lower foreshortening)
+ = Optimized external skirt for refined profile and assured performance

#12% Foreshortening for Ø 32 mm
*AntiCa - Meril's proprietary anti-calcification treatment technology

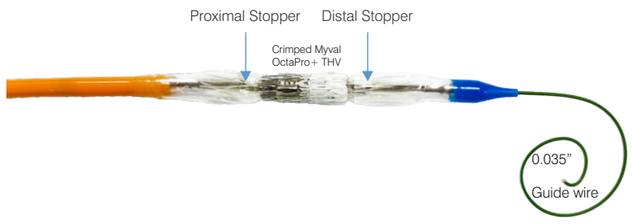
# Navigator Pro THV Balloon Delivery System

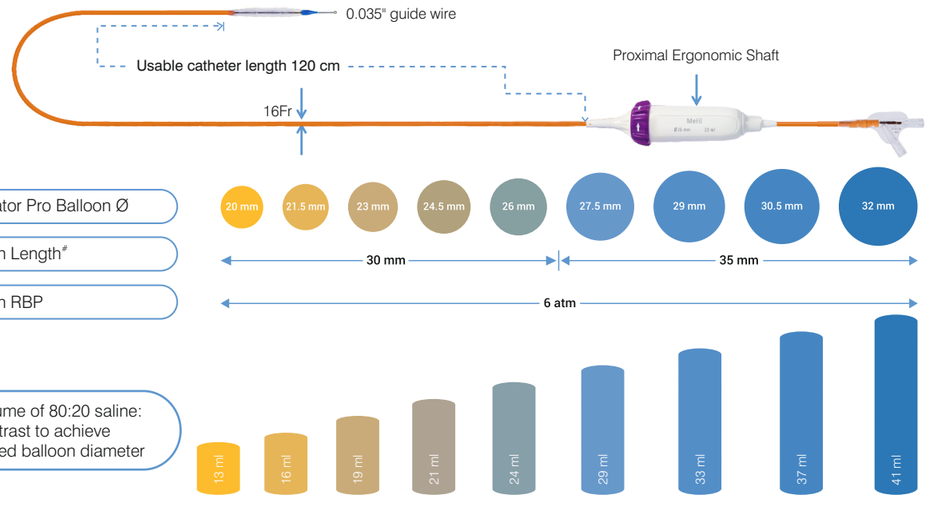
Myval OctaPro+ THV is recommended to be crimped over Navigator Pro THV Balloon Delivery System prior to insertion within the 14Fr Python Introducer Sheath.

**Navigator Pro THV Balloon Construction**



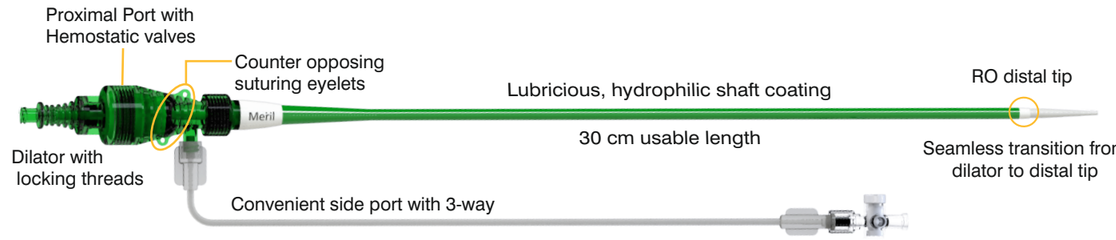

**Navigator Pro with Myval OctaPro+ THV**




# 14 Fr Python Introducer Sheath
# Compatible with all Myval OctaPro+THV Diameters (20 mm to 32 mm)

## The sheath expands momentarily conveniently allowing passage of the crimped Myval OctaPro+THV System.



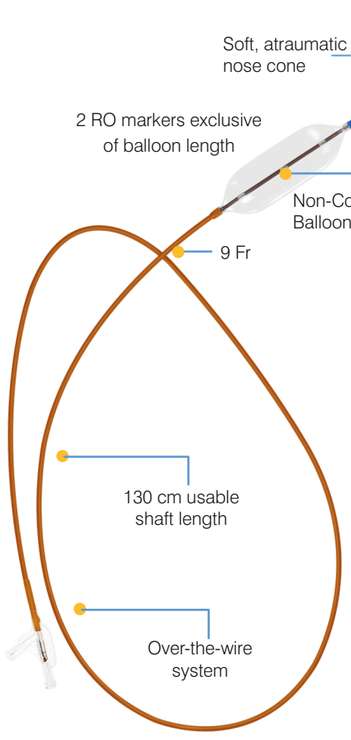



Two separate, calibrated loading tubes ensure temporary opening of hemostatic valves in proximal port allowing smooth passage of crimped Myval OctaPro+THV System

| Common Femoral Artery* Ø (mm) | Myval OctaPro+ THV Ø (mm) |
|---|---|
| ≥ 5.50 mm | 20 mm, 21.5 mm, 23 mm, 24.5 mm |
| ≥ 6.00 mm | 26 mm, 27.5 mm, 29 mm |
| ≥ 6.50 mm | 30.5 mm, 32 mm |

*CFA Ø must be MSCT derived, excluding circumferential $Ca^{2+}$

# Mammoth Balloon Dilatation Catheter




The mid-RO marker allows operator to control balloon depth within LV and minimize iatrogenic damage to conduction system during pre-dilatation.



| Mammoth Balloon Ø | 14 mm | 16 mm | 18 mm | 20 mm | 23 mm | 25 mm | 28 mm | 30 mm |
|---|---|---|---|---|---|---|---|---|
| Balloon Length | ← 40 mm → | | | | | | | |
| Balloon RBP | 8 atm | ← 6 atm → | | | | | | |
| Volume of 80:20 saline: contrast to achieve stated diameter | 8 ml | 10 ml | 13 ml | 16 ml | 23 ml | 25 ml | 34 ml | 42 ml |