LEADER IN SYRINGE TECHNOLOGIES
Medallion® COP Syringe

Merit Medical’s Medallion® Cyclo Olefin Polymer (COP) syringe provides a high moisture barrier and chemical-resistant option for applications requiring such characteristics, such as prefilling.

Plunger Material: Polycarbonate or ABS
Barrel Material: Cyclo Olefin Polymer (COP)
Plunger Tip Material: Silicone
Luer: Fixed Male
FEATURES & BENEFITS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Moisture Barrier</td>
<td>Provides protection against moisture loss in materials loaded in barrel</td>
</tr>
<tr>
<td>Excellent Purity</td>
<td>Extremely low residual metals (less than .02 ppm)</td>
</tr>
<tr>
<td>PC Plunger version has High Heat Resistance</td>
<td>Compatible with steam, Gamma, or EO sterilization</td>
</tr>
<tr>
<td>ABS Plunger version is BPA-free</td>
<td>No presence of Bisphenol A</td>
</tr>
<tr>
<td>Chemical Resistance</td>
<td>Good resistance to acids, bases, alcohols, and fragrances</td>
</tr>
</tbody>
</table>

The 1 mL and 20 mL Medallion® COP syringe is available with an ABS or PC plunger in a variety of colors.

CUSTOMIZING

From custom pad printing on the barrel to custom colored plungers, Merit Medical can work with your product design team to customize the Medallion COP Syringe to fit your needs.

For custom sizes and other options, please contact a Merit Medical OEM representative.

SHIPPING

The Medallion® COP syringe is shipped in a protective tray.

Medallion® COP Syringe

For a complete list of part numbers, visit www.MeritOEM.com/medallion-cop-syringes
Inflation Devices

Merit Medical is the inflation device world leader for a variety of applications including balloon angioplasty, kyphoplasty, and other interventional procedures. Available with either digital or analog gauges.

- High pressure tubing with insert molded rotator
- High Resolution Gauge: Available in digital or analog up to 30 atm or no gauge at all
- Barrel Material: Polycarbonate
- Plunger Material: ABS

IN7130
FEATURES & BENEFITS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure</td>
<td>Up to 30 atm</td>
</tr>
<tr>
<td>Customization</td>
<td>Graphics, colors and the tube lengths</td>
</tr>
<tr>
<td>Gauge Options</td>
<td>Digital, analog or no gauge</td>
</tr>
<tr>
<td>Custom Kits</td>
<td>Available with additional accessories in turn-key kit</td>
</tr>
</tbody>
</table>

**IN7130**  Blue Diamond™ Digital Inflation Device

- Display: Digital
- Pressure: 30 atm/bar
- Stopcock: 3-Way 500 psi (34 bar)
- Tubing: 13” (33.02 cm) Extension Tubing with Male Rotating Luer
- Barrel Volume: 20 mL

**IN4130**  Basix COMPAK™ Inflation Device

- Display: Analog
- Pressure: 30 atm/bar
- Stopcock: 3-Way
- Tubing: 13” (33.02 cm) Extension Tubing with Male Rotating Luer
- Barrel Volume: 20 mL

**ENDO-AN6012**  Big60™ Inflation Device System

- Display: Analog
- Pressure: 12 atm/bar
- Stopcock: 3-Way
- Tubing: 13” (33.02 cm) Extension Tubing with Male Rotating Luer
- Barrel Volume: 60 mL

Inflation Devices

For a complete list of part numbers, visit www.MeritOEM.com/inflation-devices
Medallion® Syringes

Merit Medical is the industry leader in polycarbonate syringes. Our focus has been to make the highest quality syringes on the planet with precision, low plunger drag, and great visibility. Our syringes are also customizable with various colors and custom printing options available.
FEATURES & BENEFITS

Plunger
Available in both ABS and polycarbonate in a variety of colors

Print
Your logo can be prominently displayed on the barrel, two sided printing also available

Sterilization
Both EtO and gamma options available

PRODUCT SAMPLES

1 mL Fixed Male, Light Blue
MSS011-LBP

3 mL Fixed Male, Yellow
MSS031-YP

6 mL Fixed Male, Dark Green
MSS061-DGP

10 mL Fixed Male, Purple
MSS111-PRP

20 mL Fixed Male, Yellow
MSS121-YP

30 mL Fixed Male, Yellow
MSS131-RP

60 mL Fixed Male, Light Blue
MSS160-LBP

10 mL Sword Handle Fixed Male, Light Green
MSSW11-LGP

20 mL Sword Handle Fixed Male, White
MSSW21P

10 mL Slip Luer, Yellow
K01-60131P

Medallion Syringes
For a complete list of part numbers, visit www.MeritOEM.com/medallion-syringes
VacLok® Locking Vacuum Syringe

Merit Medical’s VacLok® is a single-use syringe designed to create a vacuum when withdrawal of viscous material or evacuation of a device such as a balloon during a procedure is required.

Plunger Material: ABS

Barrel Material: Polycarbonate

Plunger Tip Material: Silicone

Luer: Fixed Male

VAC130P
FEATURES & BENEFITS

<table>
<thead>
<tr>
<th>Feature</th>
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</thead>
<tbody>
<tr>
<td>Patented Design</td>
<td>Locking plunger design eliminates the need to manually maintain a vacuum</td>
</tr>
<tr>
<td>Sturdy Design</td>
<td>Polycarbonate barrel and ABS plunger provide a stable platform</td>
</tr>
<tr>
<td>Large Wings</td>
<td>Easy to grip</td>
</tr>
<tr>
<td>Multiple Locking Positions</td>
<td>Allow for multiple vacuum and volume settings</td>
</tr>
</tbody>
</table>

20 mL and 30 mL available with red, yellow, and light blue plunger.

VAC110P
Capacity: 10 mL
Locking Positions: 4

VAC130-LBP
Capacity: 30 mL
Locking Positions: 6

VAC160P
Capacity: 60 mL
Locking Positions: 6

CUSTOMIZING

From custom pad printing on the barrel to custom colored plungers, Merit Medical can work with your product design team to customize the VacLok to fit your needs. For sterile and other packaging options, please contact a Merit Medical OEM Representative.

VacLok® Locking Vacuum Syringe
For a complete list of part numbers, visit www.MeritOEM.com/vaclok
Merit X-Change™ Syringes

The Merit X-Change is a single-use syringe designed to fill the open-ended syringe barrel with viscous materials or bone fillers from the distal end. Alternatively, the plunger can be removed to fill from the proximal end. The open-ended barrel is threaded to accept a variety of tip configurations.

**Plunger Material:**
ABS

**Barrel Material:**
Polycarbonate

**Integrated silicone seal in polycarbonate cap**

**Plunger Tip Material:**
Silicone

EX20-SDP
### Features & Benefits

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<tr>
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<tr>
<td>Sturdy Design</td>
<td>Reinforced wings and thumb ring provide stability when dispensing viscous material</td>
</tr>
<tr>
<td>Open-ended Barrel</td>
<td>Easily fill syringe</td>
</tr>
<tr>
<td>Threaded Barrel</td>
<td>Accepts a variety of tip configurations</td>
</tr>
</tbody>
</table>

### Also Available Separately

- **Male luer tips**
  - 702395001 Clear
  - 702395003 Gamma

- **Dead-end caps**
  - 702395002 Clear
  - 702395004 Gamma

### Customizing

From custom pad printing on the barrel to custom colored plungers or custom barrel tip configurations, Merit Medical can work with your product design team to customize the X-Change to fit your needs.

### Open Bore Syringes

- **EX20-SMP**
  - 20 mL X-Change, clear, with male luer tip

- **EX20G-SMP**
  - 20 mL X-Change, gamma, with male luer tip

- **EX20-SDP**
  - 20 mL X-Change, clear, with dead-end cap

- **EX20G-SDP**
  - 20 mL X-Change, gamma, with dead-end cap

### Merit X-Change™ Syringes

For more information, visit www.MeritOEM.com/x-change

- **K06-00189P**
  - 10 mL, Open Bore Control Syringes with palm pad plunger and ring grip

- **K06-00281P**
  - 20 mL, Open Bore

- **K06-00189P**
  - 10 mL, Open Bore

For more information, visit www.MeritOEM.com/open-bore-syringes
Control Syringes

Since 1987, Merit Medical has been manufacturing and selling a variety of Control Syringes. With years of experience, Merit Medical has designed and created syringes with features that continue to meet ever changing clinical expectations.

Plunger Material: ABS
Solid plunger for stability

Barrel Material: Polycarbonate

Plunger Tip Material: Silicone or Blue Silicone “Smart tip”

Rotating or fixed luer

CCS101P
### FEATURES & BENEFITS

<table>
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<tbody>
<tr>
<td>Low Resistance</td>
<td>Syringes designed for easy operation and decreased resistance</td>
</tr>
<tr>
<td>Gamma or EtO material</td>
<td>Available for both forms of sterilization</td>
</tr>
<tr>
<td>Various Plungers</td>
<td>Ring or palm pad plunger available based on application</td>
</tr>
</tbody>
</table>

**Syringes**

- **10 mL, Solid Plunger**
  - CCS800P
- **12 mL, Solid Plunger**
  - CCS100P
- **20 mL, Solid Plunger**
  - CCS321P
- **6 mL, Locking Ring Plunger**
  - CCS460P
- **10 mL, Solid Plunger**
  - CCSB901P
- **10 mL, Smart Tip, Solid Plunger**
  - ST800P
- **20 mL, Smart Tip, Solid Plunger**
  - ST321P

**Control Syringe**

For a complete list of part numbers, visit [www.MeritOEM.com/control-syringes](http://www.MeritOEM.com/control-syringes)
Merit Medical is the world leader in specialty syringes. In addition to the product families found in this brochure, Merit Medical has offerings such as the examples below. Talk to your Merit Medical OEM Sales Representative about your custom syringe needs.

Squirt® Fluid Dispensing Syringe

For the repeatable injection pulse infusion therapy

FDS100

4 mL, Rapid Exchange Prep Syringe

RXPORP
.25 mL Sword Handle Fixed Male Medallion Syringe

1 mL Polypropylene Medallion Syringe

Attachable Wing - Blue
Fits 1 mL polypropylene
101426001

Attachable Rings - Clear
Fit 3 mL polycarbonate syringe
101430001

Attachable Wing - White
Fits 1 mL polycarbonate
101433001
Merit Medical Systems, Inc. (NASDAQ: MMSI) has been designing, manufacturing and marketing single-use medical devices to customers worldwide for over 25 years. Throughout its evolution to a successful global company, Merit has developed the organizational infrastructure required to succeed in a competitive, dynamic and highly regulated industry. Merit’s OEM customers benefit not just from Merit’s components and devices, but also from the organization that supports them.