Patients come in a range of sizes. Now your oxygenator does, too.

Now featuring illustrations demonstrating how to achieve Prescriptive Oxygenation using Terumo’s unique products, packaging, and holder solutions.
Prescriptive Oxygenation™ is Terumo’s unique approach to helping you meet each patient’s oxygenation and blood management needs more precisely, with the freedom to choose the right size CAPIOX oxygenator.

Patients of different sizes have different oxygenation and blood management needs — therefore no one size oxygenator fits all patients. In fact, research shows that smaller patients face increased mortality rates and may have less favorable outcomes after cardiac surgery due to greater incidence of transfusion.1,2 Terumo’s unique Prescriptive Oxygenation approach is part of the solution for every patient population.

As a perfusionist, assessing patients’ oxygenation needs is a choice you make every day. Now, you can choose the right oxygenator for every patient, of any size. Only Terumo offers a full line of proven low prime volume oxygenator solutions.

The unique design of the CAPIOX FX25 and RX25 oxygenators allow for reduced prime volume with the right fit for adults with a higher metabolic demand. You’ll appreciate that a full size oxygenator doesn’t have to be high prime volume.

CAPIOX® FX05 or RX05 OXYGENATORS

The CAPIOX FX05 and RX05 oxygenators offer low prime volume and high performance so you don’t have to choose one over the other for your smallest patients. Your most delicate patients deserve the smallest prime volume attainable, and Terumo makes it possible.

**FX05 SPECIFICATIONS:**
- Prime Volume 43 mL, Maximum Flow 1.5 L/min.
- Integrated Arterial Filter Surface Area 130 cm²

**RX05 SPECIFICATIONS:**
- Prime Volume 43 mL, Maximum Flow 1.5 L/min.

**CAPIOX® AF02 ARTERIAL LINE FILTER SPECIFICATIONS:**
- Prime Volume 40 mL, Surface Area 185 cm², Maximum Flow 2.5 L/min.

CAPIOX® FX25 or RX25 OXYGENATORS

The unique design of the CAPIOX FX and RX oxygenators allow for reduced prime volume with the right fit for adults with a higher metabolic demand. You’ll appreciate that a full size oxygenator doesn’t have to be high prime volume.

**FX25 SPECIFICATIONS:**
- Prime Volume 260 mL, Maximum Flow 7.0 L/min.
- Integrated Arterial Filter Surface Area 600 cm²

**RX25 SPECIFICATIONS:**
- Prime Volume 250 mL, Maximum Flow 7.0 L/min.

**TERUMO® AL6X ARTERIAL LINE FILTER SPECIFICATIONS:**
- Prime Volume 100 mL, Surface Area 550 cm², Maximum Flow 8.0 L/min.
Designed for small and mid-sized adults.

With the CAPIOX FX15 and RX15 oxygenators, you can significantly lower prime volume for a group of patients that tend to have a higher rate of blood transfusions. Now your smaller patients can have surgery with an oxygenator that best fits their unique metabolic needs, which may help minimize the need for a blood transfusion. Available in two reservoir sizes.

The CAPIOX FX15 and RX15 Oxygenators address the needs of a large segment of the patient population.

Based on their body surface area, a significant number of patients would benefit from a smaller or mid-sized oxygenator designed to better match their actual metabolic needs while decreasing hemodilution and other risks associated with cardiopulmonary bypass.

Studies show that controlling hemodilution through lower prime volume circuits can result in fewer blood transfusions.1,2,3 The right size oxygenator can make a difference towards minimizing the need for transfusions.

To learn more about Prescriptive Oxygenation and the full range of CAPIOX products, visit: www.terumo-cvs.com/prescriptive

Citations:
Terumo Cardiovascular Systems offers oxygenators, Cardiovascular Procedure Kits, brackets and packaging solutions to make choosing the right size oxygenator quick and convenient.

Choose the Prescriptive Oxygenation kit which includes a pre-connected Cardiovascular Procedure Kit with reservoir and quick disconnect connectors in one package, and an oxygenator in another package.

Set up the majority of the Cardiovascular Procedure Kit on the unique bracket system and prime it before you know the patient’s size.

Select an oxygenator that best meets the patient’s unique metabolic needs from a wide range of CAPIOX oxygenator choices.

The unique expandable oxygenator holder adjusts to hold either the small adult or large adult oxygenator.
Easily add an oxygenator to the circuit with strategically placed quick disconnect connectors which are designed to ensure you make the right connection.

Separate the connectors by pressing the white tab. Secure the connection by inserting the male connector into the female connector. The quick disconnect connectors are designed to withstand pressure up to 30 PSI (1550 mmHg).

Prescriptive Oxygenation is easy when you choose CAPIOX oxygenators, the quick disconnect connectors and Terumo’s unique packaging and holder solutions.

For more information about Prescriptive Oxygenation, ask your Terumo Cardiovascular Systems Sales Representative.

**Holder Ordering Information**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>CATALOG NO.</th>
<th>UNITS/CASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holder for oxygenator, expandable</td>
<td>XX*CH15</td>
<td>1</td>
</tr>
<tr>
<td>Holder for hardshell reservoir, long arm</td>
<td>XX*CH18R</td>
<td>1</td>
</tr>
<tr>
<td>Holder for hardshell reservoir, short arm</td>
<td>XX*CH032</td>
<td>1</td>
</tr>
</tbody>
</table>
Specifications

### Oxygenator

<table>
<thead>
<tr>
<th>Material</th>
<th>Housing</th>
<th>Polycarbonate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fibers</td>
<td>Microporous polypropylene</td>
<td></td>
</tr>
<tr>
<td>Heat exchanger</td>
<td>Stainless steel</td>
<td></td>
</tr>
</tbody>
</table>

### Fibers Microporous polypropylene

- Water inlet 2 kgf/cm² (196 kPa) (28.5 psi)
- Surface area: Approx. 0.5 m², Approx. 1.5 m², Approx. 2.5 m²

### Fiber bundle

- Surface area: 550 cm²

### Heat exchanger

- Pore size 32 µm
- Filter material: Polyester screen type

### Blood flow range

- Cardiomyology inlet: 0.1 – 2.5 L/min
- Combined flow: 0.1 – 1.5 L/min

### Heat exchanger

- Pore size: 32 µm
- Filter material: Polyester screen type

### Defoamer

- Polyurethane foam

### Hardshell Reservoir

<table>
<thead>
<tr>
<th>Material</th>
<th>Housing</th>
<th>Polycarbonate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Venous filter</td>
<td>Polyester screen type, Pore size 47 µm</td>
<td></td>
</tr>
<tr>
<td>Cardiomyology filter</td>
<td>Polyester depth type</td>
<td></td>
</tr>
<tr>
<td>Defoamer</td>
<td>Polyurethane foam</td>
<td></td>
</tr>
</tbody>
</table>

### Hardshell reservoir

### Blood flow range

- Venous flow
  - 0.1 – 1.5 L/min
  - 0.5 – 4.0 L/min
  - 0.5 – 4.0 L/min
  - 0.5 – 5.0 L/min
  - 0.5 – 7.0 L/min
- Cardiomyology inlet
  - Max. 1.5 L/min
  - Max. 4.0 L/min
  - Max. 4.0 L/min
  - Max. 5.0 L/min
  - Max. 7.0 L/min

### Combined flow

- Max. 1.5 L/min
- Max. 4.0 L/min
- Max. 5.0 L/min
- Max. 7.0 L/min

### Blood storage capacity

- 1000 mL
- 3000 mL
- 4000 mL
- 4000 mL

### Min. operating volume

- 15 mL
- 70 mL
- 200 mL
- 200 mL

### Venous blood inlet port

- 1/4" (6.4 mm) rotatable
- 2/8" (9.5 mm) rotatable
- 1/2" (12.7 mm) rotatable
- 1/2" (12.7 mm) rotatable

### Blood outlet port

- 1/4" (6.4 mm) for CR filter
- 3/8" (9.5 mm) for CR filter
- 6/16" (4.8 mm – 6.4 mm) rotatable

### Suction ports

- Five 3/16" – 1/4" ports
- Six 1/4" (6.4 mm) ports

### Vertical port

- Quick prime port: 1/4" (6.4 mm)
- Vent port: 1/4" (6.4 mm)

### Auxiliary port

- 1/4" – 3/8" (6.4 mm – 9.5 mm)

### Luer ports

- Three filtered luer locks to cardiomyology filter, one non-filtered luer lock, two luer locks on venous inlet

### Maximum sustainable negative pressure in reservoir

- -150 mmHg (-20.0 kPa)

### Ordering Information

**DESCRIPTION**

- **Oxygenator with integrated arterial filter**
- **Oxygenator with integrated arterial filter/hardshell reservoir**
- **Oxygenator with arterial filter/hardshell reservoir**
- **Oxygenator with arterial filter/hardshell reservoir**

**CATALOG NO.**

- FX05 | RX05
- FX15 | RX15
- FX25 | RX25

<table>
<thead>
<tr>
<th>UNITS/CASE</th>
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<tbody>
<tr>
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</tbody>
</table>

**CARIOX® Family of Oxygenators**

**CATALOG NO.**

- CX*FX05W
- CX*FX05E

**CATALOG NO.**

- CX*FX05RE
- CX*FX05RW
- CX*RX05W

**CATALOG NO.**

- CX*RX15W
- CX*RX15E
- CX*RX15RE

**CATALOG NO.**

- CX*RX25W
- CX*RX25E
- CX*RX25RE

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