

Product specifications

|                                       | ROCsafeRX AL8X             | ROCsafeRX AL6              | ROCsafeRX AV6              |
|---------------------------------------|----------------------------|----------------------------|----------------------------|
| <b>Oxygenator</b>                     |                            |                            |                            |
| Type                                  | CAPIOX® RX15E              | CAPIOX® RX15E              | CAPIOX® RX15E              |
| Priming volume (static)               | 135 mL                     | 135 mL                     | 135 mL                     |
| Membrane surface area                 | approx. 1.5 m <sup>2</sup> | approx. 1.5 m <sup>2</sup> | approx. 1.5 m <sup>2</sup> |
| Fiber material                        | microporous polypropylene  | microporous polypropylene  | microporous polypropylene  |
| <b>Bubble trap</b>                    |                            |                            |                            |
| Type                                  | CAPIOX®BT15X               | CAPIOX®BT15X               | CAPIOX®BT15X               |
| Priming volume                        | 150 mL                     | 150 mL                     | 150 mL                     |
| Filter pore area                      | 60%                        | 60%                        | 60%                        |
| Filter pore size                      | 170 µ                      | 170 µ                      | 170 µ                      |
| Filter material                       | Polyester                  | Polyester                  | Polyester                  |
| <b>Arterial filter</b>                |                            |                            |                            |
| Type                                  | Terumo® AL8X               | Pall® AL6                  | Pall® AV6 SV               |
| Priming volume                        | 170 mL                     | 100 mL                     | 220 mL                     |
| Filter area                           | 0.063 m <sup>2</sup>       | 0.055 m <sup>2</sup>       | 0.0645 m <sup>2</sup>      |
| Filter pore size                      | 40 µ                       | 40 µ                       | 40 µ                       |
| Filter material                       | Polyester                  | Polyester                  | Polyester                  |
| <b>Centrifugal pump head</b>          |                            |                            |                            |
| Type                                  | Sarns™ 164275X             | Sarns™ 164275X             | Sarns™ 164275X             |
| Priming volume                        | 48 mL                      | 48 mL                      | 48 mL                      |
| Surface area                          | 0.02 m <sup>2</sup>        | 0.02 m <sup>2</sup>        | 0.02 m <sup>2</sup>        |
| <b>Total component priming volume</b> | <b>503 mL</b>              | <b>433 mL</b>              | <b>553 mL</b>              |

Ordering information

| DESCRIPTION  | CATALOG NO.  | UNITS/CASE |
|--|--------------|------------|
| ROCsafeRX Minimized Perfusion Circuit with Terumo AL8X arterial filter | CX-ROCRXAL8X | 1          |
| ROCsafeRX Minimized Perfusion Circuit with Pall AL6 arterial filter    | CX-ROCRXAL6  | 1          |
| ROCsafeRX Minimized Perfusion Circuit with Pall AV6 SV arterial filter | CX-ROCRXAV6  | 1          |
| Accessory pack with flexible reservoir                                 | CX-ROCA      | 10         |
| Accessory pack with hardshell reservoir                                | CX-ROCB      | 2          |
| System 1 for ROCsafeRX   | ROCSET       | 1          |



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Modular Perfusion Circuit



# One more step toward perfect perfusion

## Superb air removal capacity

Together with the Terumo Advanced System 1, ROCsafeRX provides ultimate patient safety. By placing the entire air removal function on the venous line, air is effectively eliminated before it enters the centrifugal pump and becomes dangerous for the patient. If air enters the venous line, the bubble detector causes the speed of the centrifugal pump to be reduced and triggers closure of the occluder so trapped air can be removed from the bubble trap. Residual micro air is eliminated by the oxygenator and arterial filter within seconds and circulation to the patient can be resumed.

## Component flexibility

ROCsafeRX is a modular system which can be easily adapted to meet a variety of clinical protocols. The innovative design of the disposable holder allows you to choose among three different types of arterial filters. The basic system is ideal for routine CABG. Using accessory packs, ROCsafeRX can be adapted for all types of on-pump cardiac procedures.

- Increased performance with reduced prime volume
- Superb air removal capacity
- Component flexibility
- Excellent biocompatibility

### ROCsafeRX version with Terumo AL8X – for highest biocompatibility

The ROCsafeRX configuration with the Terumo AL8X arterial filter is fully coated with X Coating, Terumo's own amphiphilic, bio passive polymer surface coating that reduces platelet adhesion and minimizes activation



Terumo® AL8X

### ROCsafeRX version with Pall AL6 – for lowest hemodilution

The ROCsafeRX configuration with the Pall AL6 ultra-low priming arterial filter offers the lowest component priming volume and the lowest foreign surface area.



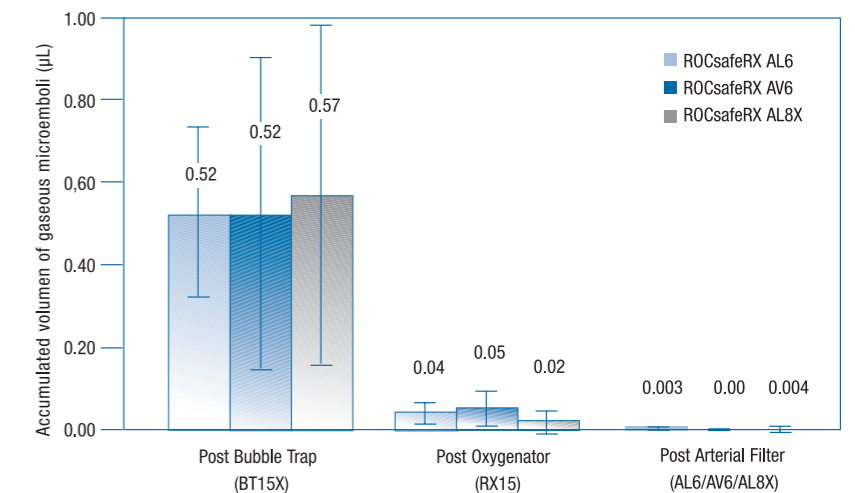
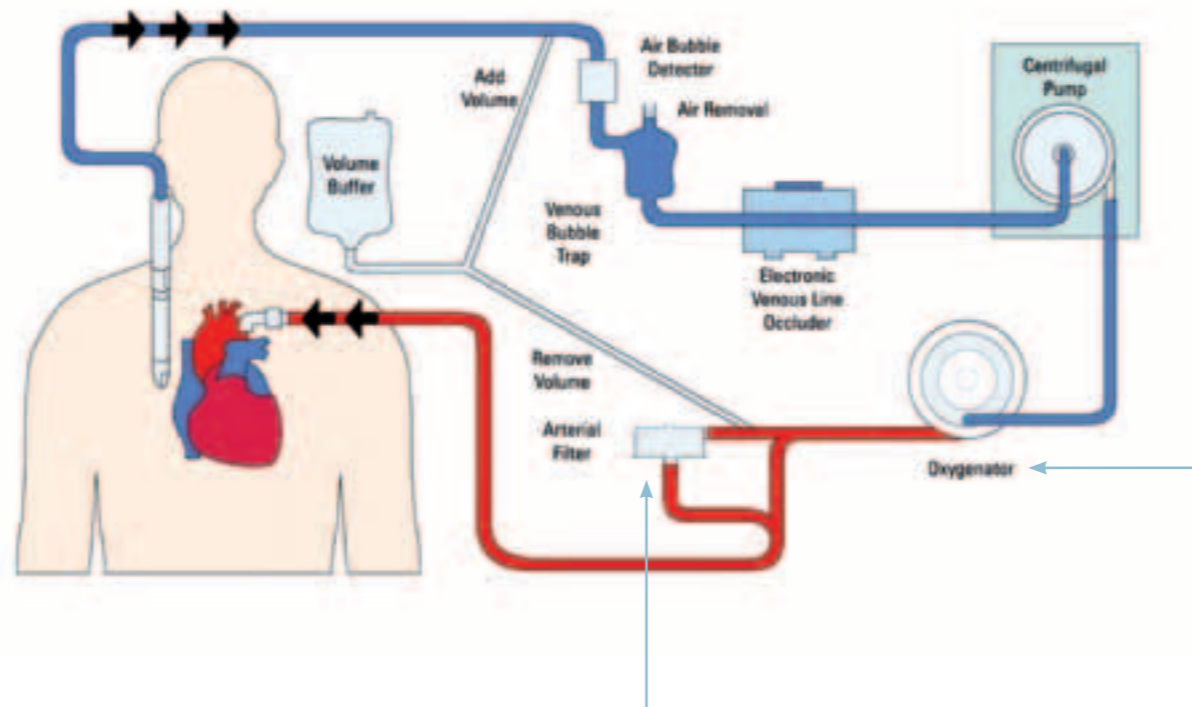
Pall® AL6

### ROCsafeRX version with Pall AV6 – for highest convenience

The ROCsafeRX configuration with the Pall AV6 Autovent SV arterial filter offers a threestage gas separation and automatic venting technique. The purge port of the Pall AV6 filter can be left open to the atmosphere. No purge line is required and hence no blood loss or AV shunt flow is generated.



Pall® AV6



Air elimination following a bolus injection of 30 mL air into the venous line. More than 99,99% of the injected air is removed by ROCsafeRX.

### Increased performance with reduced prime volume

The high performance, low prime oxygenator CAPIOX® RX15 is at the core of ROCsafeRX. High oxygen transfer in combination with ultra-low priming volume and a very low pressure drop make the CAPIOX® RX15 oxygenator the perfect choice for minimized perfusion.

- Oxygenator priming volume – 135 mL
- Oxygen transfer capacity – 337 mL / min at 5 L / min blood flow
- Pressure drop – 120 mmHg at 5 L / min blood flow



Capiox® RX15

### Excellent biocompatibility



X Coating™, Terumo's own amphiphilic, biopassive polymer surface coating reduces platelet adhesion and minimizes activation.