Cannula and Circuit

Designed for the removal of soft, fresh thrombi or emboli
The AngioVac devices are for use with other manufacturer's off-the-shelf pump, filter, and reinfusion cannula, to facilitate venous drainage as part of an extracorporeal bypass procedure for up to six hours.

AngioVac Cannula and Circuit

The AngioVac venous drainage system includes the Venous Drainage Cannula and the Extracorporeal Circuit. The cannula is intended for use as a venous drainage cannula and for the removal of soft, fresh thrombi or emboli during extracorporeal bypass for up to six hours. The extracorporeal circuit is intended for use in procedures requiring extracorporeal circulatory support for periods of up to six hours.
The AngioVac Cannula is designed with a balloon-actuated, expandable funnel shaped distal tip. The proprietary funnel shaped tip:

- enhances venous drainage flow when the balloon is inflated
- prevents clogging of the cannula with commonly encountered soft, fresh thrombi or emboli
- facilitates en bloc removal of thrombus

Actual procedure results†

† An individual experience may not be indicative of all procedure results.
### AngioVac Cannula and Circuit

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
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<tbody>
<tr>
<td>AngioVac Full Unit</td>
<td>VTX-4000</td>
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<tr>
<td>AngioVac Cannula</td>
<td>VTX-3022</td>
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<td>AngioVac Circuit</td>
<td>VTX-3100</td>
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#### AngioVac Cannula
- **Obturator**
- **Inflation lumen**

#### AngioVac Circuit
- **3/8” tubing**
- **Saline spike**
- **Quick-connectors**
- **Touhy Borst**
- **Tubing to connect to other manufacturer’s reinfusion cannula**

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**IMPORTANT RISK INFORMATION**

**CANNULA INDICATION FOR USE:** The Vortex Medical AngioVac Cannula is indicated as a venous drainage cannula during extracorporeal bypass for up to 6 hours. The cannula is also indicated for removal of soft, fresh thrombi or emboli during extracorporeal bypass for up to 6 hours.

**CIRCUIT INDICATION FOR USE:** The AngioVac Extracorporeal bypass circuit is intended for use in procedures requiring extracorporeal circulatory support for periods up to six hours.

**CONTRAINDICATIONS:**

- Alone, this cannula is not a medical treatment device. Selection of the patient as a candidate for use with this device and for such procedures as it is intended is the physicians’ sole responsibility. The outcome is dependent on many variables including, patient pathology, surgical procedure, and perfusion procedure/technique. Do not use if the patient has severe arterial or venous vascular disease. The device is contraindicated in the removal of fibrous or calcified material (e.g., atherosclerotic plaque). The device is contraindicated for use in the right heart or pulmonary arteries during active cardiopulmonary resuscitation.

**WARNING:** For single patient use only. Do not reuse, reprocess or resterilize. Reuse, reprocessing or resterilizing may compromise the structural integrity of the device and/or lead to device failure which, in turn, may result in patient injury, illness or death. Reuse, reprocessing or resterilizing may also create a risk of contamination of the device and/or cause patient infection or cross-infection, including, but not limited to, the transmission of infectious disease(s) from one patient to another. Contamination of the device may lead to injury, illness or death of the patient. Cleared for the removal of soft, fresh thrombi or emboli only outside the US.