

The Spectranetics CVX-300® Excimer Laser System was specifically designed for tissue ablation in modern medical treatment facilities. Its compact size and mobility allow the CVX-300® to easily be moved from a cardiovascular catheterization laboratory to an operating room to a special procedures suite. Once situated in the clinical area, the unit is quickly prepped and readied for the laser ablation application using a simple, easy to follow routine.

The Spectranetics CVX-300® Excimer Laser (Class 4 laser) produces a pulsed ultraviolet laser beam at a wavelength of 308 nanometers for the removal of unwanted intravascular tissue through photo-ablation. Rather than simply bypassing or remodeling a blockage, the excimer laser beam breaks the intermolecular and intramolecular bond of the obstruction.

The system is user-friendly, mobile and requires low maintenance. The warm-up time on the system is only 5 minutes and is quickly ready for use. The Spectranetics CVX-300® is microprocessor controlled allowing for simple, automatic calibration of all catheter devices. Company field service engineers perform complete routine maintenance for the system. Gases are not required to be stored at the hospital.

The projected lifetime of the Spectranetics CVX-300® Excimer Laser System is estimated to be ten years, providing that the unit is properly stored in a secure place, protected from freezing or extremely high temperatures, and routine maintenance is performed by factory authorized personnel every three to six months as required. Once the laser has exceeded its useful life, contact Spectranetics to return the laser.

CVX-300® Excimer Laser System Product Specifications

Fully Year 2000 Compliant:	<ul style="list-style-type: none">• <i>Date information is not required for Micro-controller operations</i>
Active Medium:	<ul style="list-style-type: none">• <i>XeCl, Pulsed Laser System</i>
Wavelength:	<ul style="list-style-type: none">• <i>308 nm</i>
Pulse Width:	<ul style="list-style-type: none">• <i>125nS - 200 nS, FWHM</i>
Long Gas Life:	<ul style="list-style-type: none">• <i>Minimum 3 months gas shelf life.</i>
Computer Controlled:	<ul style="list-style-type: none">• <i>Automatic Catheter Recognition</i>• <i>Automated Calibration</i>• <i>Automatic Energy Management</i>• <i>Adjustable Energy and Repetition Rate without removing the catheter from the patient</i>• <i>Service Lamp is automatically illuminated approximately two weeks before service is required.</i>
Catheter Output Fluence:	<ul style="list-style-type: none">• <i>30-60 mJ/mm²*</i>
Maximum Repetition Rate:	<ul style="list-style-type: none">• <i>40 pps*</i>
Warm-Up Time:	<ul style="list-style-type: none">• <i>5 minutes</i>
Weight:	<ul style="list-style-type: none">• <i>650 pounds / 295 kg</i>
Length:	<ul style="list-style-type: none">• <i>49 inches / 125 cm</i>
Height:	<ul style="list-style-type: none">• <i>35 inch unit / 89 cm</i>• <i>6 7/8 inch control panel / 17.5 cm</i>
Width:	<ul style="list-style-type: none">• <i>24 1/8 inches / 61.3 cm</i>
Movement and Storage:	<ul style="list-style-type: none">• <i>Small, compact, mobile unit</i>
Power Requirements:	<ul style="list-style-type: none">• <i>208 VAC</i>• <i>50/60 HZ</i>• <i>Single Phase</i>• <i>20 amp</i>
Power Cord Length:	<ul style="list-style-type: none">• <i>12-foot / 3.65-meter</i>
Power Cord Plug:	<ul style="list-style-type: none">• <i>NEMA L6-30R, Hubbell Part#2621, 250VAC-30A, Twist lock</i>
Wall Outlet Receptacle:	<ul style="list-style-type: none">• <i>NEMA L6-30R, Hubbell Part#HBL2620 250VAC, 30A, Wall mount twist lock</i>
Regulatory Approvals:	<ul style="list-style-type: none">• <i>The only US FDA-approved multi-purpose cardiovascular laser system</i>• <i>Complies with UL 60601-1, IEC-601, IEC-825, EN-60825</i>• <i>CE Mark Approved</i>

**Maximum fluence and rate varies with the catheter device utilized. Please refer to the product IFU.*

Warning: Use only catheters approved by Spectranetics in the CVX-300® system. Refer to the Operator's Manual and the labeling accompanying each CVX-300® system for instructions as to safe operation, additional warnings and indications and contraindications for use. **Caution**—Use of controls or adjustments or performance of procedures other than those specified by the manufacturer, may result in hazardous radiation exposure.