

E-Zapper Support Electronics



Note: Cabinets may be separated into two pieces (sideways), but vertical components are tightly coupled.

E-Zapper Support Electronics



Left Side

Right Side



Pulse
Forming
Networks

Voltage-Drop
Resistors and
small P.S.

Power Dist.
And 4 small
Transformers

Right Side
(Side View)

E-Zapper Support Electronics

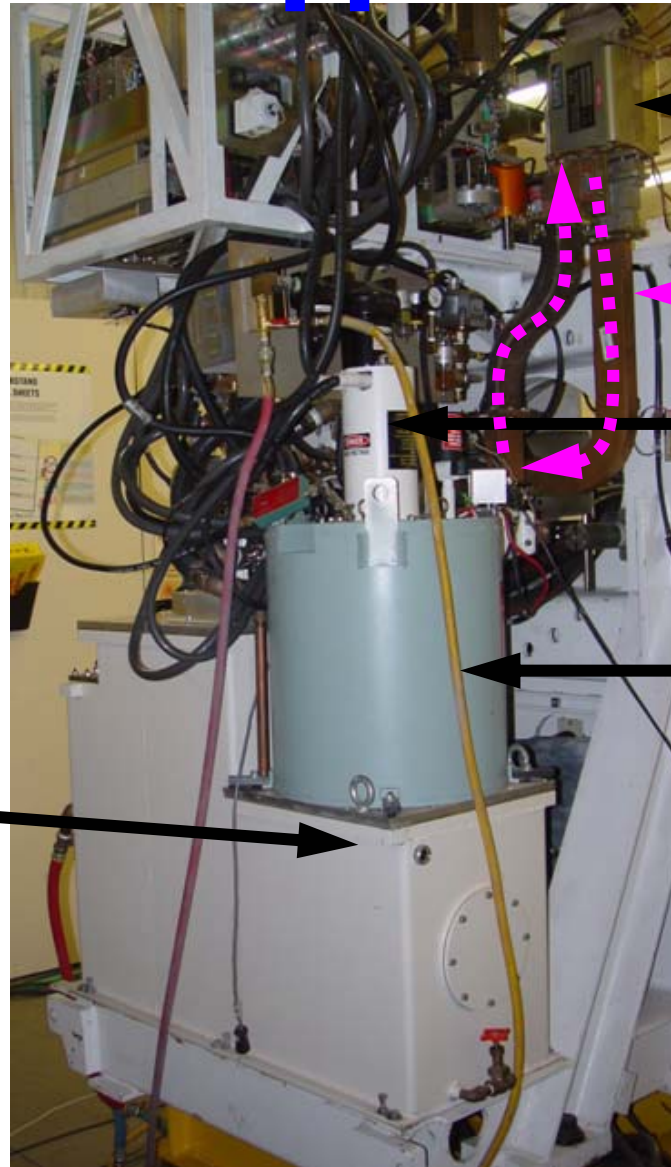
**Thyratron +
Power
Supplies +
Pulse Drive**
(excess of 14 kV)

**deQueueing
Deck and
Voltage
Regulator for
Thyratron**

**Blower for
Cooling all
Cabinets**



E-Zapper Support Electronics



**RF
Impedance
Isolator**

**RF
Waveguides**

**Klystron
Tube**

**Focusing
Solenoid**

**Pulse
Transformer**
In = 25 kV
Out = 125 kV

Four valve system, so power is not directed back into Klystron, but two of the valves can be blocked with steel plates

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**Vibration Specifications:
Weak links are the Klystron and Tryatron.**

For specs, see:

Klystron: CPI Industries (www.CPI.com)

5MW Klystron, 2.8 GHz

Thyratron: E2V Co. (www.E2V.com)

Tube = CS-1140