RGA Ion Source

Electron Impact Ion Source
Ion Source Assembly
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Source cage +3volts
(Range 0 to 10volts)
Ion Source Assembly

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(Range 0 to 10volts)

Focus -90volts
(Range 0 to -150volts)
 Ion Source Assembly

Source cage +3volts  
(Range 0 to 10volts)

Focus -90volts  
(Range 0 to -150volts)

Earth plate  
(Grounded)

Source mounting plate  
(Grounded)
**Ion Source Assembly**

- **Source cage**: +3 volts (Range 0 to 10 volts)
- **Focus**: -90 volts (Range 0 to -150 volts)
- **Earth plate**: (Grounded)
- **Source mounting plate**: (Grounded)

Electron repeller (connected with a tag to filament common, -67 volts)
Ion Source Assembly

- **Source cage**: +3volts (Range 0 to 10volts)
- **Focus**: -90volts (Range 0 to -150volts)
- **Earth plate**: (Grounded)
- **Source mounting plate**: (Grounded)
- **Electron repeller**: (connected with a tag to filament common, -67volts)
- **Emission**: 1000μA (Range 20 to 5000μA)
- **Electron energy**: 70ev (Range 4 to 150ev)