

### Cables For Every Need

- Made and stocked for quick delivery
- Custom cables and lengths available

| HW Labs Part # | Pump End   | Wire Type    | Length  | Controller End                      |
|----------------|--|--------------|---------|-------------------------------------|
| 360124         | Standard Varian Style Ion Pump Connector, Non-Bakeable | Non-Bakeable | 10 Feet | Standard Varian Ion Pump Controller |
| 360143         | Standard Varian Style Ion Pump Connector, Bakeable     | Bakeable     | 10 Feet | Standard Varian Ion Pump Controller |
| 360180         | Standard Varian Style Ion Pump Connector, Non-Bakeable | Non-Bakeable | 10 Feet | Varian Starcell Ion Pump Controller |
| 360129         | Standard Varian Style Ion Pump Connector, Bakeable     | Bakeable     | 10 Feet | Varian Starcell Ion Pump Controller |
| 360147         | Standard Varian Style Ion Pump Connector, Non-Bakeable | Non-Bakeable | 10 Feet | No Connector, For Hard Wiring       |
| 360133         | Standard Varian Style Ion Pump Connector, Bakeable     | Bakeable     | 10 Feet | No Connector, For Hard Wiring       |
| 360144         | Varian Mini Ion Pump Connector, Non-Bakeable           | Non-Bakeable | 10 Feet | No Connector, For Hard Wiring       |
| 360162         | Varian Starcell Style Ion Pump Connector               | Bakeable     | 10 Feet | No Connector, For Hard Wiring       |
| 360199         | Varian Starcell Style Ion Pump Connector               | Non-Bakeable | 10 Feet | Varian Starcell Ion Pump Controller |
| 360130         | Varian Starcell Style Ion Pump Connector               | Bakeable     | 10 Feet | Varian Starcell Ion Pump Controller |

### Varian Style Elements and Spare Parts

- Available as new or rebuilt

| HW Labs Part # | Equivalent Varian # | Description   |
|----------------|---------------------|---|
| 360135         | -                   | Small Diode Element, 20, 30 and 60 L/Sec Pump           |
| 360223         | 915-0116            | Small Triode Element, 20, 30 and 60 L/Sec Pump          |
| 360218         | 915-0090            | Large Diode Element, 140, 270, 500 and 1,000 L/Sec Pump |
| 360190         | 915-0098            | Large Triode Element, 110, 220, 400 and 800 L/Sec Pump  |
| 360152         | 915-0117            | Triode Element, FC-12                                   |
| 360298         | -                   | Cathode Plate, Small Diode Element                      |
| 360171         | -                   | Cathode Plate, Large Diode Element                      |
| 360192         | -                   | Anode Assembly, Small Diode Element                     |
| 360251         | -                   | Anode Assembly, Small Triode Element                    |
| 360238         | -                   | Anode Assembly, Large Diode Element                     |
| 360153         | -                   | Anode Assembly, Large Triode Element                    |
| 360164         | -                   | Grid Assembly, Small Triode Element                     |
| 360136         | -                   | Titanium Strips for Small Triode Element (Qty. 50/pkg.) |
| 360172         | -                   | Grid Assembly, Large Triode Element                     |
| 360202         | -                   | Titanium Strips for Large Triode Element (Qty. 70/pkg.) |
| 360154         | 954-0006            | High Voltage Feedthru                                   |
| 360189         | 954-5143            | High Voltage Feedthru, 30 L/Sec and Larger Pumps        |
| 360170         | 959-5120            | High Voltage Feedthru, Starcell Pumps                   |
| 360257         | -                   | Grounding Spring (Qty. 5/pkg.)                          |
| 360224         | 615001              | Ceramic Insulator                                       |
| 360165         | -                   | Sputter Shield  |



360189 HVFT

### Varian Style Magnet Assemblies

- Available as new or rebuilt

| HW Labs Part # | Equivalent Varian # | Pump             | Material | Gauss |
|----------------|---------------------|------------------|----------|-------|
| 360168         | 913-0042            | Mini             | Alnico 5 | 1000  |
| 360175         | 913-0011            | 2 L/Sec          | Alnico 5 | 1200  |
| 360196         | 913-0112            | 2 L/Sec          | SmCo     | 1200  |
| 360184         | 911-0030            | 8 L/Sec          | Ferrite  | 1200  |
| 360216         | 915-0114            | 20, 30, 60 L/Sec | Ferrite  | 1200  |
| 360203         | -                   | 110, 140 L/Sec   | Ferrite  | 1200  |
| 360258         | -                   | 220, 270 L/Sec   | Ferrite  | 1200  |
| 360187         | -                   | 400, 500 L/Sec   | Ferrite  | 1200  |



360175 Magnet Assembly