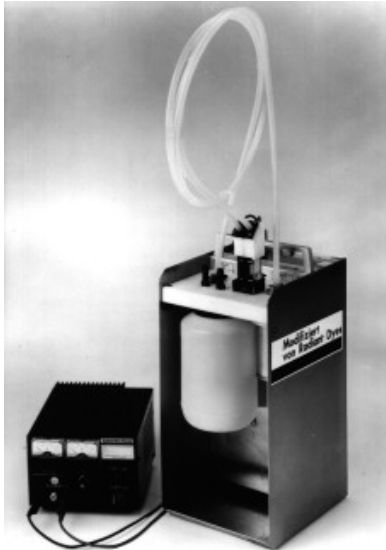


## Modification



*Lambda Physik FL 45 Dye-Selectors*

### **Modification to a very durable *Faulhaber* 12V motor**

#### Advantages:

- Very low noise level
- Absolutely no sparks
- No change of the coal rods necessary
- Continuous revolution control 0 - 4.500 U/min.
- Flow rate 0 - 5 l/min.

### **Continuously adjustable DC- power supply**

If not existing in the lab, we can offer you an efficient DC power unit with infinitely variable power adjustment.

### **Modification of the *Coherent* Dye circulators**

Nonferrous metal such as brass for example has a negative effect on the lifetime of certain laser dyes. Thus we offer the service to exchange all non-ferrous metal against stainless steel or polypropylene. This prolongs the lifetime of Rhodamine 110 for example by a factor of 10-20.

This modification includes the following:

- Exchange of all tube connections
- Nickel-plating of the brass parts of the dye-filter housing
- Exchange of the brass pressure manometer against a stainless steel one
- Exchange of the cooler against a highly efficient stainless steel one
- Installation of a tap of nickel/teflon

**Modification of a *Coherent* pump Geared pump**

Installation of a stronger pump (approx. 5 - 6 bar). Stronger magnet (up to 100 PSI pressure)

**Modification of a *Spectra Physics* pump**

max. pressure > 10 bar. Use of stainless steel screws.

**Modification of dye flow cell units**

With flow units made of chromium plated brass on new plastic cell units.