

Helium Regulator

For Micralign™ System



► Overview

Our Helium Regulator and hose kit is designed to control the helium pressure in the Projection Optics. It incorporates a pressure meter gauge, located on the front panel, with user adjustable upper and lower pressure limits.

A power on/off switch, green, yellow, and red indicator lights are located on the front panel for ease of use. A time delay relay is mounted on the rear panel to allow admission of a fixed, user adjustable amount of helium whenever the lower pressure limit is reached. A power cord receptacle, circuit breaker, and a fill and dump port connector are also located on the rear panel. Installation of this unit can be done within a couple of hours and it is user friendly (**Hose and Go**).

The Helium Regulator is a simple yet highly effective helium environment controller for the Micralign 500/600/700 series machines.

► Key Features

- ◆ The green indicator light:
 - Indicates that power is applied to the unit.
- ◆ The yellow indicator light:
 - Indicates that helium is being filled into the system.
 - Excessive operation of the lamp may indicate that the unit has detected a helium leak with the system.
- ◆ The red indicator light:
 - Indicates that the helium pressure has risen to the user's selected upper limit and that helium is being dumped from the system.
 - Excessive operation of the lamp (cycling on and off) may indicate a problem with the system.
- ◆ The Photohelic pressure meter gauge:
 - Allows fine adjustments to upper and lower pressure limits of the machine's helium environment.



Beta Squared Lithography, Inc.

Helium Regulator For Micralign™ System

► Key Features (continued)

- ◆ The time delay relay:
 - Allows adjustment of the fill time to a mid-point between upper and lower limits on the Photohelic pressure meter gauge (of helium being put into the system).
- ◆ The Hose and Go feature:
 - Allows the user to install the Helium Regulator to the machine and have running within two hours.
 - Can replace any existing helium systems, and can be mounted external to the machine.
 - Designed to be exchanged in a matter of minutes

► Specifications:

Dimensions: 11.75" W x 6" H x 10.5" D

Power: 120V or 240V, 50/60Hz

Weight: 2.2 lbs/1 Kg

Range: 0 - 5 inH2O

Beta Squared Lithography specifications subject to change without notification.



Beta Squared Lithography, Inc.

940 Federal Road • Brookfield, CT 06804 • Phone: 203.775.4242 • Fax: 203.775.1337
www.betaSquaredLithography.com • sales@beta2L.com