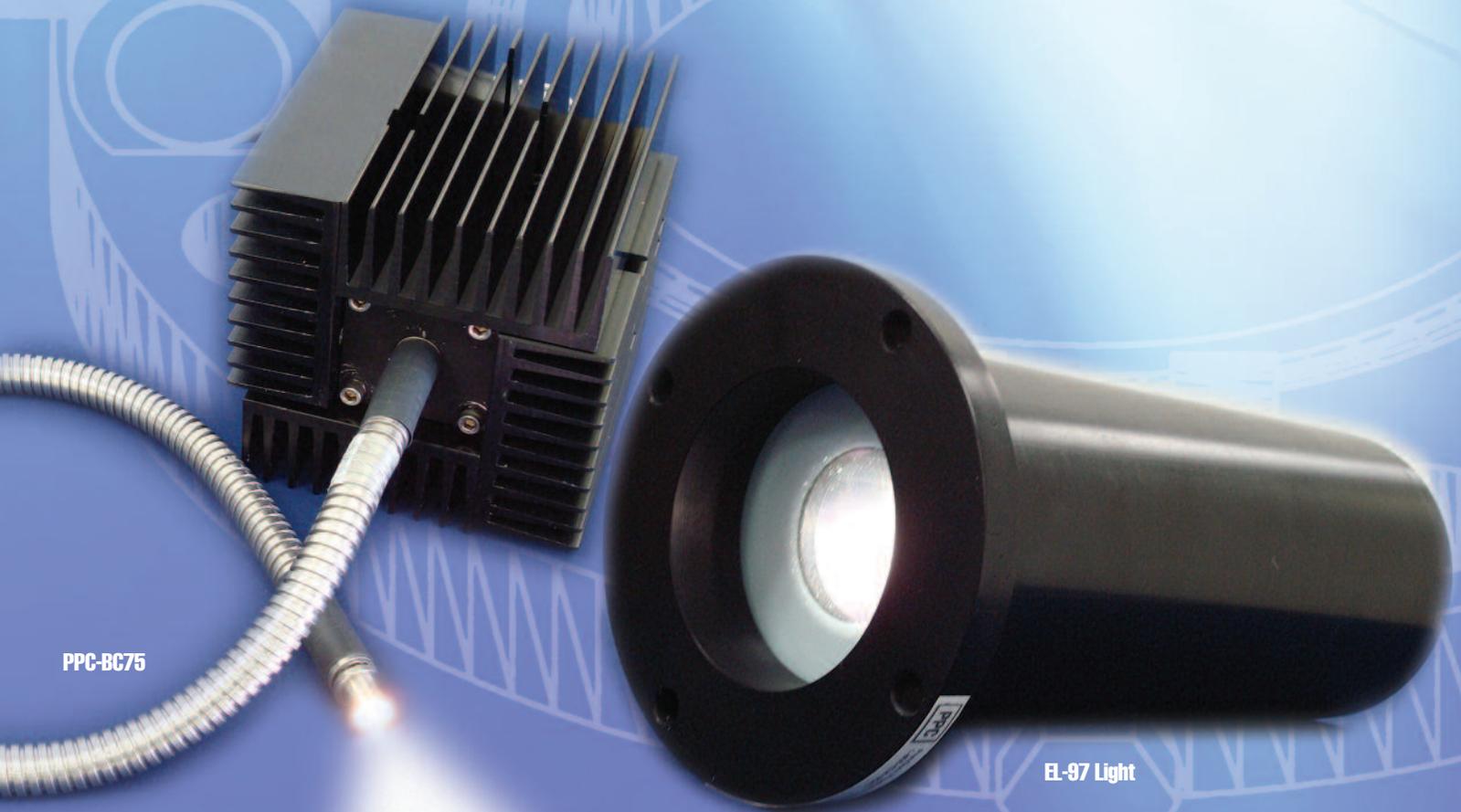




The PPC Edge:
**Explosion-
Proof Lights**



PPC-BC75

EL-97 Light

PresSure Products' line of explosion-proof lights offers the superior performance, safety and longevity your facility requires. Here's how:

PPC-BC75 and PPC-BC150 Lights

PresSure Products Company presents its new series of explosion-proof fiber optic lights for all illumination requirements in explosion-proof environments. They're bright enough to replace free space lights of similar wattage, yet offer the precise light placement of fiber optic bundles. The advantages over our competitors' lights include:

Exceptional Photonic Efficiency.

Great care has been taken in the design of our BC lights to maximize light throughput. The number of dielectric/air interfaces has been minimized and there are no light pipes or conduits aside from the fiber optic bundle itself. Control of light propagation pathway is achieved without light pipes by the very careful design of focusing geometries. The dielectric media of other designs absorbs much of the light being transmitted, and by keeping the high-loss elements of the light propagation path to an absolute minimum, BC fiber optic lights are bright enough to replace free-space lights of similar wattage in most cases.

Infra Red Filtering. The invisible infra red regime of the light bulb's output is reflected back into the light housing, and not into the process being illuminated—as a result, light entering the process chamber generates as little heat as possible. While other lighting systems offer such infra red filtering as well, PresSure Products' BC lights are unique in the way this process is carried out. Our infra red filtering lens is itself the explosion-shielding glass element of the light; this integrated arrangement permits infra red filtering to be achieved without using accessories like light pipes or multiple lenses.

T6 Rating without Time Restrictions.

Our BC lights achieve the T6 rating, which is the best (coolest) surface temperature rating possible for explosion-proof lights. While our competitors' lights also achieve this rating, their units keep themselves cool by switching off automatically at a certain temperature. PresSure Products believes that the decision to switch the light off should be left to the customer, not the light itself. Each body in our line of BC lights has been designed as a large passive heat sink; natural convection around the light's finned body is enough to keep the light cool indefinitely.

Full-Rated Bulb Life. The excellent heat dissipation offered by the large finned body keeps the bulb cool as well, and helps achieve the full-rated light bulb life expectancy, which is 2,000 hours for the standard 75-watt bulb. Compare this to some other explosion-proof lights on the market, whose bulbs burn out in less than 100 hours. This is even more important if the process being illuminated is an extremely hot one. The light-generating body can be mounted away from the hot process surface, and the light bulb will still achieve its full-rated life.

PresSure Products, Inc. has been an American manufacturing leader since 1959. For over 50 years, thousands of customers worldwide have come to rely on the safety, quality, and reliability that have become PPC's trademark. For more information on our DuraPort fused sight glasses, call us toll-free at **(800) 624-9043** or fax to **(304) 744-6705**. PresSure Products Company's engineering staff is available for consultation, product demonstration, and price quotations 8:00 a.m. to 4:30 p.m. EST Monday through Friday.



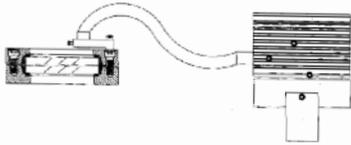
PPC-BC75



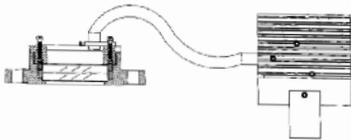
Convenient Mounting Arrangement.

The full-light volume can be transmitted through a 3/4-inch fiber optic bundle, which can be conveniently mounted on the edge of an existing sight glass. There is often no need to dedicate a viewing port for the light—the light body can be mounted away from the window, out of your staff's way.

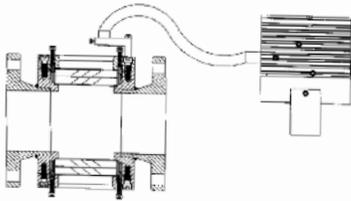
PPC-BCXX-101 Weld Mount



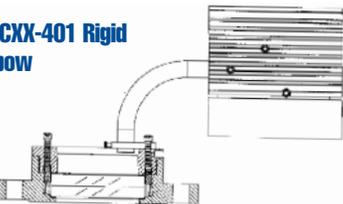
PPC-BCXX-201 Flange Mount



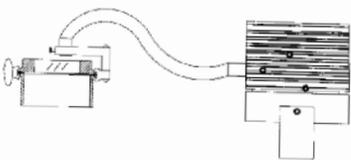
PPC-BCXX-301 SafeSite Mount



PPC-BCXX-401 Rigid F/O Elbow



PPC-BCXX-501 Sanitary Clamp



MADE IN THE USA

EL-97 Light

PPC's EL-97 is the most powerful member of Pressure Products' family of lights. This explosion-proof light is explicitly designed for high-intensity discharge (HID) bulbs, and extremely long, continuous use. If your illumination needs call for long continuous operations with minimal bulb changes, EL-97 is the right light for the job.

HID Advantages: HID lights are the newest, most powerful, and most energy-efficient light bulbs available today.

- Long Bulb Life: HID systems around which the EL-97 is designed offer a standard bulb life of 12,000 hours.
- Exceptional Brightness: HID lamps are usually three or four times brighter than halogen lamps of similar wattage rating. Our standard 70-watt HID can handle virtually any large volume, and the 150-watt HID is available for exceptionally large vessels.
- "Cool White": The HID bulbs chosen by PPC for EL-97 lights have much higher color temperatures than halogen light bulbs—so, less infra red light is generated to begin with. In addition, EL-97 lights use infra red filtering reflectors to further reduce the amount of infra red light entering the process.

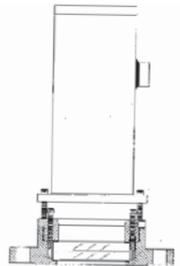
Designed for HID. The most important item in a lighting system is the bulb itself, since its physics and characteristics determine all of the critical performance parameters of the lighting system. PPC's design philosophy is to design a system around the best light bulb available. Unlike systems that substitute a HID bulb into pre-existing halogen lighting system, our EL-97 is designed to preserve the excellent intrinsic characteristics of the HID lights, so all of the HID advantages come through in service.

Halogen Bulb Option. For "quick-toggle" environments where the light is used only for brief periods, halogen light bulbs are still excellent choices. Halogen bulbs for EL-97 lights still offer a healthy 2,000 hours of service life, at a significantly lower cost. And if the performance of HID lights is needed later, the lights can be retrofitted with HID bulbs.

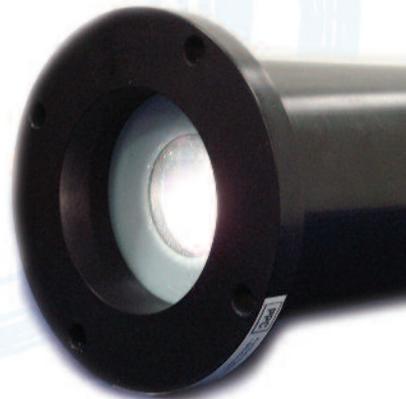
PPC-EL97 Weld Mount



PPC-EL97 Flange Mount



EL-97 Light





4540 West Washington Street
Charleston, WV 25313

(800) 624-9043 or (304) 744-7871
Fax: (304) 744-6705
www.pressureproducts.com

If you would like to receive our new process equipment CD catalog or place an order with an in-house sales representative, please call us toll-free at **(800) 624-9043** Monday to Friday, 8:00 a.m.–4:30 p.m. EST or fax to **(304) 744-6705**. A complete listing of PresSure Products Company's safety sight glass line is also available on the Web at www.pressureproducts.com.