

# INSTALLATION INSTRUCTIONS FOR CHARCOAL FILTER BREATHER

Activated carbon is like a molecular magnet. It is a form of carbon in which we create millions of tiny holes, which form an internal structure of interconnected capillary passages not much larger than the molecules that it absorbs.

Absorption is commercially useful because it can be used to remove impurities from air, gas, and liquid mixtures even though the contaminants are present only in trace amounts. A tremendous surface area is contained with a small volume of activated carbon. For example, the area in one quart (about one pound) of some types of carbon is as high as nine million square feet. This makes absorption practical. Since air breathes through, it also acts as pressure relief, making the luminaire and lamp operation cooler for longer operation.

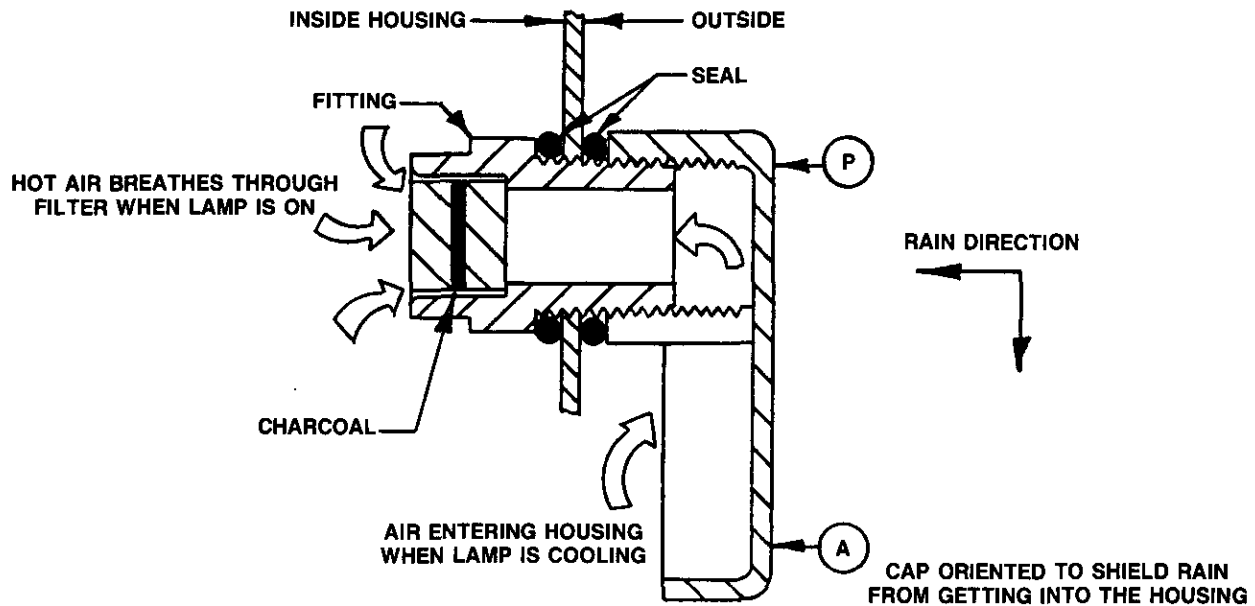


FIGURE 1

Although the CFB is a factory installed option, the orientation of the luminaire when mounted in a variety of application is hard to control. Therefore, Hubbell Lighting Division offered this patented device that can be used irrespective of how the fixture is aimed and still maintaining its sealed integrity.

Please refer to the sketch, Figure 1. For indoor luminaires, the cap item "A" is not needed. For all outdoor luminaires where this device is exposed to the elements like rain or snow, it is important to rotate the cap "A" having its end "P" towards the top.



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