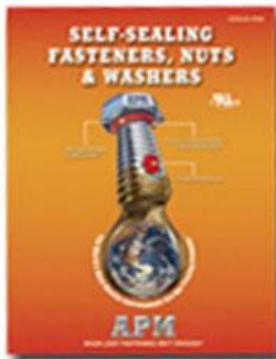




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DID YOU KNOW?

APM HEXSEAL WAS FORMED DUE TO A NEED IN THE MILITARY



APM HEXSEAL was formed in 1947 with the express purpose of developing sealing products for the U.S. Military for equipment operating in the most adverse conditions and harshest environments. During WWII, the U.S. Military recognized the need to environmentally protect critical equipment's controls. APM stepped up to their challenge and assisted with development of the MIL-B-5423 (now MIL-DTL-5423) specification to meet these stringent requirements. Indeed, this military specification was written based on APM's proven design and manufacturing processes. APM proceeded to engineer a full line of switch, potentiometer and circuit breaker seals that could operate reliably to 100,000 plus actuations. And, year after year, these boots passed rigorous, independent QPL military inspection/equivalent. They also carry [UL Recognition](#) and continue to pass this rigorous third party testing. We then further developed and patented our complimentary line of self-sealing fasteners and washers which were first used on our circuit breaker seal's mounting flange to



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info@apmhexseal.com



provide added sealing protection (IP66/68 ingress rating). APM has in excess of 100 patents to its name including our "trigger" to help actuate switches/breakers where necessary, the "Installs Quickly" [IQ 1030 toggle switch boot](#), and our patented [1131/60](#) and [1132/60](#) "Ultra Flex" boots which avoid unintentionally tripping a switch or breaker. Our imitators have never innovated or had any patents ... not even one.



APM seals have seen service in every military conflict since WWII. More than 60 million HEXSEAL® switch boots have been produced in a wide variety of types and sizes for military, commercial and industrial applications throughout the world. Installed by more than 200,000 customers, APM is the prime supplier for the boating industry, beverage dispensing machines, combat equipment of all kinds, off-road vehicles, medical equipment and a broad range of instrumentation and communications equipment, etc.

Visit our [NSN and military cross-reference page](#) to determine the correct part for you.

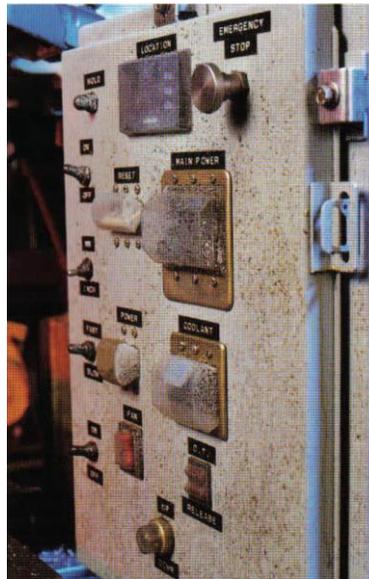
ASK APM

WHY DO MOST MAJOR CIRCUIT BREAKER MANUFACTURERS RECOMMEND APM HEXSEAL ENVIRONMENTAL PROTECTION SEALING BOOTS FOR HOSTILE CONDITIONS?

In many applications switches and circuit breakers are exposed to harsh environmental conditions that could shorten their actuation life and affect reliability. Most (lever & pushbutton) require the ability of the operator to see the position (status) of the actuator/LED. Matching sealing boots (covers) must be transparent,



and remain so for the life of the breaker. The skills necessary to design and build a sealing boot that is rated IP66/68 for environmental protection are different from the skills necessary to manufacture the breaker itself, whether for military or commercial applications. Hence breaker manufacturers recommend APM designed boots.



APM formulated a silicone rubber composition trademarked RUBRGLAS®, a transparent, rugged, pliable silicone rubber design for easy breaker status recognition and operation for all levers, toggle, and pushbutton type circuit breakers. This exclusive material can only be found on HEXSEAL® and E-SEEL® boots. APM also invented the first self-sealing screw,

SEELSKREW®, for circuit breaker boot-flange/frame mounting which seals up to 20,000psi. APM's products protect breakers and mounting holes against exposure and harm from wash downs, salt water, and lubricants, cleaning solvents, dirt, dust, grease and other environmental elements.

APM has been satisfying their customers' environmental protection needs for more than 60 years with the world's largest selection of sealing boots. APM circuit breaker boots have been installed on many thousands of electrical/power supply systems in a wide variety of marine equipment from submarines to pleasure and commercial military surface vessels, aircraft and support



equipment, military land equipment of all kinds, medical, and control panels of a variety of field maintenance and repair equipment, to name just a few of many applications. [See Comparison Illustrations](#)

Read more about APM's [Circuit Breaker Boots](#).

Look for next week's newsletter to learn more about APM Hexseal's sealing solutions!

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