

Ford Meets a Challenge in Pago Pago, American Samoa

In 1916, Ford Meter Box first patented the original water meter expansion connection still used around the world today.

Captain Brad Rea, Chief Engineer of Water and Wastewater on loan from the U.S. Public Health Service to the American Samoa Power Authority in Pago Pago, was looking for suggestions to retrofit water meter boxes with backflow prevention devices without requiring excavation of the meter box. Brad insisted there must be a way to add backflow prevention to an existing meter box with minimal disruption or cost to the utility's valued customers on this small U.S. territory located in the South Pacific.



3D design software is used by Rick Rogers, Product Design Engineer.

Ford Product Design Engineer, Rick Rogers, has always thrived on challenges. After experiments and trials using Ford's state-of-the-art computer aided design and modeling equipment, Rick was able to help the American Samoa Power Authority by integrating a dual check valve assembly into a meter expansion

connection for the first time in the industry. By simply exchanging expansion connections, the water utility was able to quickly add a dual check valve backflow protection to a residence without requiring excavation of the meter box, or disrupting

the water service. In addition, the new design allows for routine inspection and replacement of the check valves with minimal cost and effort.

Thanks, Brad, for giving us the challenge to innovate a product, even after nearly a century since its original inception. We at Ford Meter Box warmly welcome any new product ideas that help solve problems for our customers.

For more information about Ford Meter Box's ability to help with your specific requirements, contact your local Ford distributor or The Ford Meter Box Company.



Expansion connection with dual check valve being installed in Pago Pago.

