

The Green Vivarium Foundation

2009 Best Product Awards



BETA★STAR
LIFE SCIENCE EQUIPMENT

ENVIROVAC
WATER CONSERVATION SYSTEM




**WATER
CONSERVATION**
Made in the U.S.A.

Green Vivarium, BEST PRODUCT Award

Beta Star Sterilizers (autoclaves), which offers a water conservation vacuum system feature called EnviroVac™ on all sizes of sterilizers, was this year's winner for Best Product or Service. Developed by the Beta Star Life Science Equipment market group of R-V Industries, this patented applied vacuum system reduces total water usage during an autoclave sterilization cycle by up to 80% when autoclaving porous or wrapped type media. An emphasis on the water savings was engineered into the final EnviroVac™ product, which circulates and re-uses water in a condenser tank. Congratulations to R-V Industries, manufacturer of Beta Star Sterilizers!

Companies across North America are making conscious efforts to protect our environment; especially freshwater, one of our most widely used natural resources.

Freshwater, used in numerous manufacturing processes is being depleted at an excessive rate. By targeting major water utility requirement equipment we can greatly reduce negative environmental impact on our freshwater resources.

Beta Star Life Science Equipment of R-V Industries, located in Honey Brook, PA, has been dedicating their resources to improve product features that will vastly reduce water utility consumption.

The patent pending, EnviroVac™, designed as a combination high vacuum/water condenser requires a ½" copper water line with a minimum 20psig. for all autoclaves. And not requiring a liquid ring vacuum pump with a separate water condenser combines water and electric utility savings.

The EnviroVac™, also a high vacuum system is capable of attaining 28.5"hg on bulk sterilizers and 29.5"hg on small to medium sterilizers. The EnviroVac™, is not effected by normal fluctuations in water temperature and feed pressure, providing a more reliable energy efficient system.

An additional impact is more efficient air removal during pre-conditioning phase providing more thorough steam penetration into porous loads, and more efficient drying capability due to lower vacuum depths.

Beta Star Life Science Equipment of R-V Industries, Inc., located in Honey Brook, PA, USA, engineers & fabricates Steam Sterilizers for applications in the pharmaceutical, life science, biotechnology, and laboratory markets. Designs are available for BSL3 & cGMP applications. Our Service Division provides on-site service and support including installation, preventive maintenance contracts, emergency calls and technical assistance.