



Copper Jack Drain Water Recovery

A new product launch being developed by George Brown College suggests the future of living green may be just that: simply carry out your daily routine. Technology will do the rest.

Copper Jack TM, initially developed by Green Frontiers International Inc., is a commercial system of drain water heat recovery (DWHR). The process behind Copper Jack TM is a passive technology that recaptures heat from drain water to preheat fresh water entering the tank.

In other words, the system 'recycles' the energy used in a morning shower or dishwasher cycle, letting households stay green during busy daily schedules. For the smart consumer, it's suddenly easy being green.

Copper Jack TM promises to not only save the planet, but also household expenses as well. An effective DWHR system can reduce home-heating costs by up to 40% in an average four person home. In large-scale facilities like hotels or restaurants, these savings can grow as high as 70%. The Copper Jack TM system also works with existing hot water heating systems, all attached to an affordable consumer price point that should be recouped in as little as 2 years.

George Brown College (GBC) was brought on board to work with GFI to further develop, test and refine the Copper Jack TM Vertical DWHR prototype towards eventual commercialization.

GFI was armed with a business plan and a promising product: stellar test results suggested the prototype was already performing at a competitive level.

George Brown's expertise was brought on to refine GFI's prototype in efficiency, customer-focused design, and manufacturing design, all planning towards commercialization. GFI has been working on this version for nearly two years, and the market is ripe: there are only 4 competing brands using variations of the same design. But GFI's DWHR design is a complete departure from these old models, with early prototypes of Copper Jack TM performing competitively even in the test phase.

Developed by Green Frontiers International Inc., the technology used by Copper Jack TM is eco-friendly, self-sustaining and cost-effective. Though the technology has been around for some time it's only now becoming standard in new construction building practices, a fitting complement to the ongoing dedication of George Brown's research efforts in green building initiatives and the future of sustainability.

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