

Small-scale brackish water desalination system

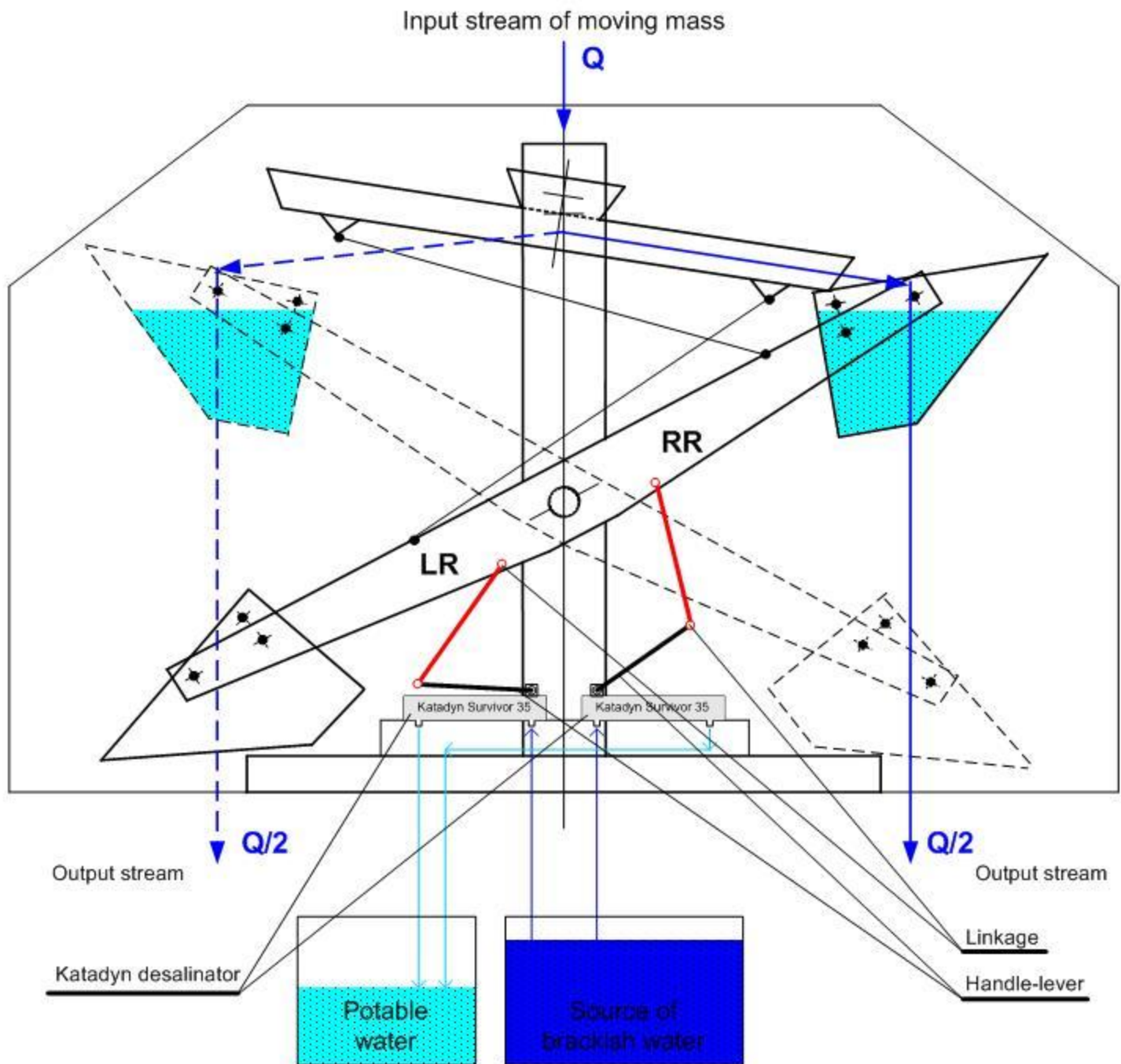


Fig. 1

On the base of combination of DPC (as water powered mechanical driver) and water filter and desalination devices and equipment which already exist (Katadyn, for example <http://www.katadyn.com/user/katadyn-products/products/katadynshopconnect/katadyn-desalinators/>) the small-scale brackish water desalination system (for households and farms) can be designed and manufactured in developing countries.

Because of similarity reciprocating motion DPC and Katadyn lever-type desalinator the linkage is very simple to integrate both mechanisms in the system. To increase the productivity set of Katadyn desalinators can be connected as parallel battery (by handle-levers).

These Katadyn's products in combination with DPC can be useful for many user groups including militaries, health organizations, and outdoor adventurers worldwide, where we need desalinated or filtered water.