

Trash rack cleaning system

Continuous unobstructed water flow into pumps can be achieved with the SmartRake — an automated trash rack cleaning system widely recognised as the best on the market today.

For pumps to operate to full capacity, it is necessary that nothing obstructs the inflow of water. SmartRake makes cleaning by hand a thing of the past — valuable manpower and time can be saved.

It also protects the pump and avoids blocked underground pipes.

John Commins, the proprietor of Dutch Weld Engineering has developed over the past 25 years an automated self-cleaning system, which successfully removes all sorts of cotton trash, corncobs, and grasses such as umbrella grass or spider grass, from the bottom of the channel and upwards, 24 hours a day.

The steel 'fingers' on the rake ensure that no trash and/or sticks are stuck between the one inch spaced bars.

The unique throwing action of the cleaning rakes dislodges all trash from the rakes.

The system operates hydraulically. For example, a

hydraulic pump may be fitted on the diesel engine and requires no more than three to six hp (depends on size of installation).

If necessary, an additional chain conveyor (no belt) can deposit the trash on the channel bank or other suitable location.

The solidly build trash rack is mounted permanently on a steel or concrete structure, while the frame with the rotating rakes can be lifted out of the water by means of a simple hand winch mounted on a walkway in front of the trash rack.

Because of all different sizes of pump sites, the system can be custom build to fit each individual site.

Many trash racks have been installed in the cotton growing areas of eastern Australia.

For more information, contact John Commins, PO Box 258 Warren NSW 2824 or Phone 02 6847 4827.



The SmartRake being demonstrated at the Australian Cotton Trade Show.