

CASE FILE

PlasVac and the Murray Bridge Priming System

The Customer

SA Water, S.A., AUSTRALIA

The Application

Plasvac EH40 pumps used for priming river pumps.

The Application Method

A duplex priming system, using two EH40 pumps (duty and standby), connected via a stainless steel priming tank, is used to prime three large vertical centrifugal river pumps. These river pumps supply water to a number of towns along the Murray River.



Pump module with seal water tank



Close-up of EH40



Close-up of PlasVac EH40's

Murray Bridge Pump House



Duplex priming system and priming tank

The Problem

The Murray River is at an unprecedented low at the Murray Bridge water treatment plant. Before the river pumps can start, air must be removed from inside of the pump and replaced with water.

The Products Used

PlasVac EH40 used in the first commercial application of this Australian designed and manufactured vacuum pump.

The Substrate

PlasVac EH40 liquid ring pumps.

The Outcome

The EH40, made from injection moulded plastic, can easily handle the priming duty.

Because it is made from plastic, this pump has corrosion-free properties that enable it to start instantly, regardless of the time left idle between starts.

Conventional cast iron pumps can seize if not operated correctly.