The Mark III water box is mounted against the roll. Fluid is distributed to the pond through the ends of the inlet pipe and regulated by flow control valves positioned across the box. By setting the valves for the desired amount of overflow and re-circulation, constant temperature and agitation of the fluid is maintained.

The Mark III water box can be tilted to regulate the amount of liquid applied to the roll. Removal of one dam bar results in quick dumping because it allows the pond to drain away from the trough. Fast draining is also accomplished by pivoting the box away from the roll.

In the event of a wrap, the Mark III water box will pivot while the pond spills over the dam into the trough minimizing clean-up after a break. End plates welded to the water box body and extending approximately 1” beyond the ends of the roll assure leak-free operation. The apron is extended beyond the roll face and is sealed against the end pieces. As a result, any fluid seeping under the deckles, or flowing back from the nip outside the deckle, will be caught by the apron and drain off.