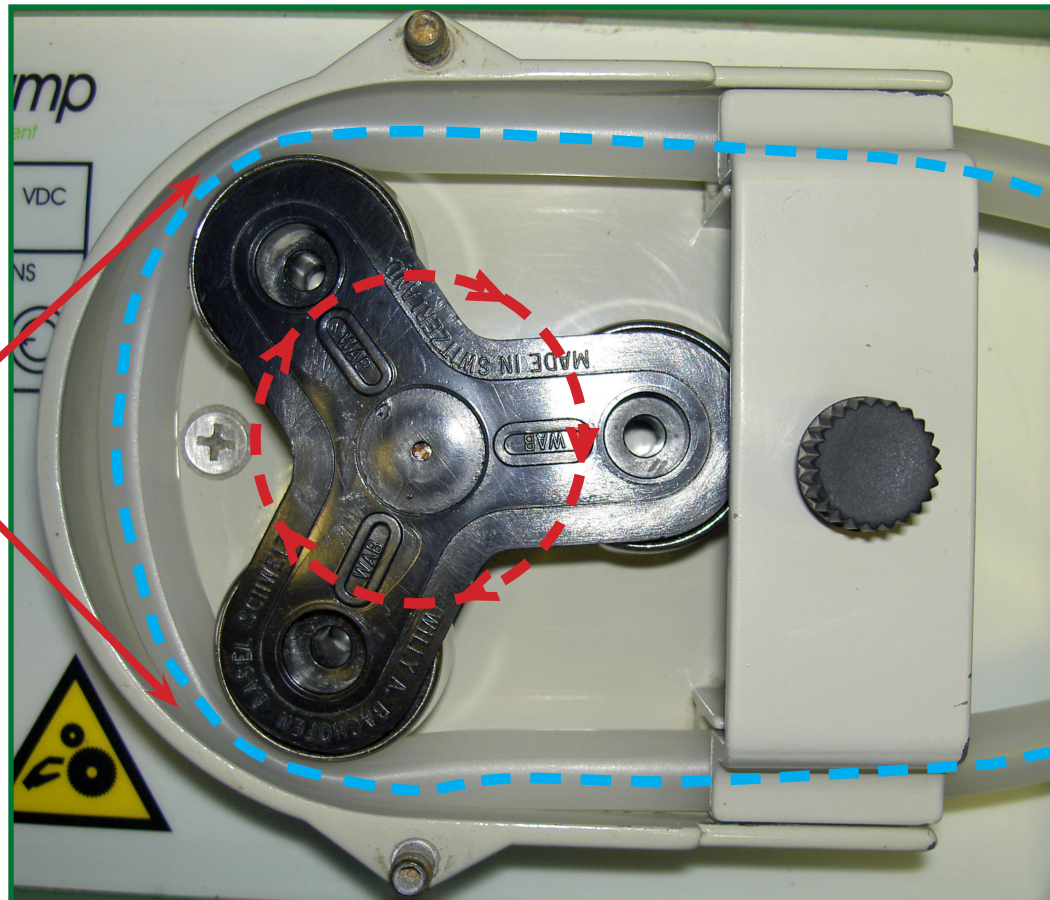


## The Workings of a Peristaltic Pump



Rollers squeezing  
the silicon tube

As the pump head rotates, the rollers squeeze the silicon tube forcing the sample along the inside of the silicon. This action creates suction behind the roller which in turn draws more sample into the pump head.

The spacing of the rollers on the pump head mean that at least one roller is in contact with the silicon at all times, keeping the suction on the tube preventing the sample falling back down the borehole.

Different Peristaltic pumps may have different roller formations or indeed use an in line series of shoes.

Most pumps have the ability to reverse the turning direction of the rollers to allow back flushing.

Please note: the front cover plate has been removed to make the picture clearer, running the pump without a properly fixed cover plate may result in pump damage or cause injury.