



**Farayand Pardis Sina** a knowledge-based and leading Iranian company was founded in 2007 and with the participation of industrial researchers began its work in the field of biotechnology.

The company has always placed its priority on three general principles:

- \*Complete scientific and technical knowledge on all production procedures.
- \*Creating confidence by providing the best after-sale services.
- \*Respect the requirement of customers.

Today, this company possesses technical knowledge of producing different kinds of biological equipment, with the trademark of "Sina", it has attracted the attention of researchers and other producers.



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## Peristaltic Pumps



## Sina Peristaltic Pumps

The peristaltic pump is a type of positive displacement pump used for pumping a variety of fluids. The fluid is contained within a flexible tube fitted inside a circular pump casing (though linear peristaltic pumps have been made).

Pump action is created by compressing the tube between rotating rollers and a track. Between each roller pass, the tube recovers to create a vacuum and draws in fluid. Complete tube closure provides the pump with its action, preventing back-flow and eliminating the need for check-valves when the pump is not running. Peristaltic pumps are very helpful when dispensing culture media, buffers or other solutions. As nothing but the tube touches the fluid, the risk of contamination in the pump is eliminated.

These pumps have no valves, seals or glands and have a number of advantages over other pump types such as superior flow rate stability and metering accuracy, extensive chemical compatibility and inherently hygienic.

The Sina peristaltic pumps are perfect in the laboratory and manufacturing plant.

## Applications

- \* Research & Development
- \* Industrial
- \* Food & Beverage
- \* Biopharmaceutical



**DG8**  
0.1 - 100 ml/min  
8 Channel



**VP200**  
0.5 - 1500 ml/min  
1 - 2 Channel

**SP15**  
0.1 - 100 ml/min  
1 Channel



**VP600**  
100- 10000 ml/min  
1 - 2 Channel

