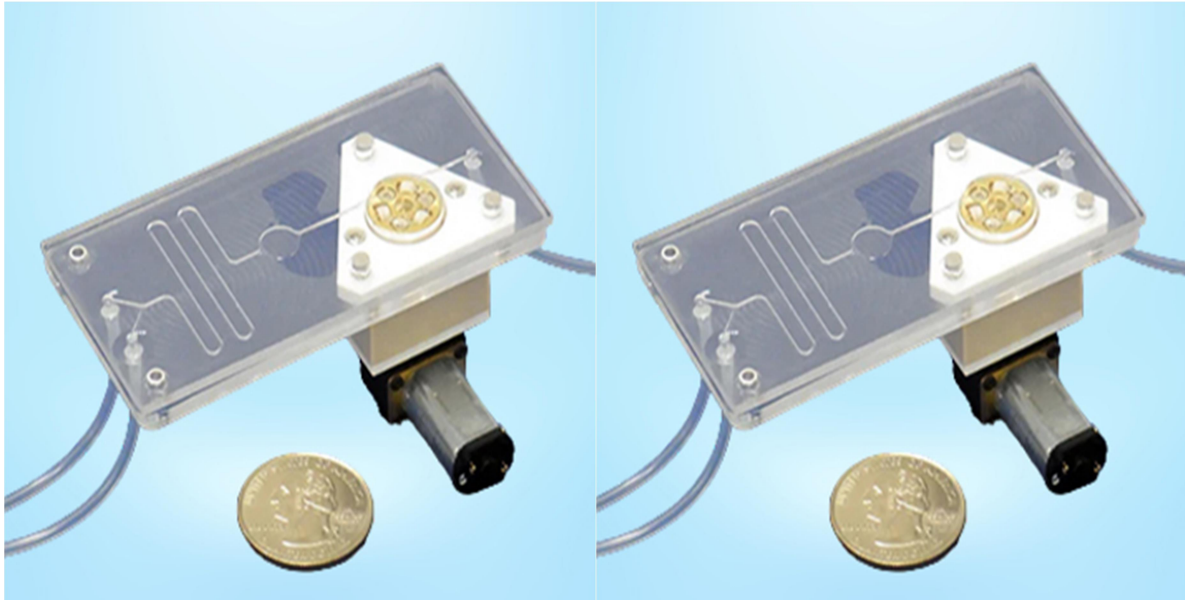


## Chip Pumps

Chip Pumps have gained their names as electronic circuit chips. The Chip Pumps come with versatility and size to serve compact, efficient, and affordable products. Currently, many industries that use filtration systems demand Chip Pumps.



Chip vacuum pumps or Chip Pumps have obtained their names after the small size of electronic circuit chips. These chips come with a huge versatility to make every modern product compact, efficient, and affordable. The best thing about a chip series pump is that it gives an outstanding performance as you may expect from air-powered, multi-ejector, and multi-stage pumps.

Some of the Chip Pumps also incorporate a peristaltic pumping operation. Accordingly, such rollers may compress and rotate an om-shaped channel or a U-shaped channel to pump the fluid present in the pump directly. Here, the chips are sterilizable and replaceable without any hassle. Good companies also manufacture chips based on customer specifications. Users may combine Chip Pumps with several other chips in any microfluidic system. If this is not enough, one can integrate the pump chip system into customized systems and designs.

Chip pumps have an efficient hydraulic design to ensure optimum usage of energy and power. Moreover, the pumps provide range optimization to make sure that every operation takes place to its best point of efficiency. Another interesting feature of Chip Pumps is that it uses the fluid dynamic program to improve the efficiency of the pump hydraulic system.

Chip pumps are perfect to handle coolant lubricants with chips to provide varieties of flexible applications and installation. In particular, the chip series pump works as a lift pump to install directly for filters of the machine. Chip pumps have even found their applications in wear-resistant execution or pump back pumps on a central filtration system.

We have experienced engineers at Sandur Fluid Controls Pvt. Ltd. for manufacturing Chip Pumps for your filtration industry. For further details, check our official website.

Sandur Fluid Controls Pvt. Ltd has recently launched Chip Pumps that have been developed with the most advanced technologies of our times. Alongside simple usage, we have even ensured the safety of our customers. Compared to other machines, our Chip Pumps techniques are efficient in managing work-hour capacity and enhancing productivity.

Sandur Fluid Controls Pvt. Ltd is one of the best Chip Pumps manufacturer, Chip Pumps exporter and Chip Pumps supplier in all over countries. Our company highly range to manufacturer of this Chip Pumps in bulky. We are serve this Chip Pumps product universally. For more information you can contact our experts through our mobile number to assist in giving you more detailed information to meet your requirements. We Sandur Fluid Controls Pvt. Ltd are acclaimed to be the best in the field and give our competitors a tough fight with regards to our quality and rates! Time and again we have proved that we are better than the best!

## Specification

### Features / Characteristics

- A PDMS chip incorporates a peristaltic pumping function, where rollers rotate and compress a  $\Omega$ -shaped channel to pump the liquid inside directly.
- The PDMS chip is replaceable and sterilizable.
- The picture above is an example of a Chip Pump incorporated into your original PDMS chip.

|                       |                        |
|-----------------------|------------------------|
| Model Number          | ACP-29 / QCP-29        |
| Operating Pressure    | 50 kPa                 |
| Remarks               | Chip Material: PDMS *3 |
| Pump Head Replacement | Possible               |

|       |  |   |                                |
|-------|--|---|--------------------------------|
| Notes | Model Number   | ACP-29  | QCP-29                         |
|       | Flow Rate *1   | 55 $\mu\text{L}/\text{min}$<br>200 $\mu\text{L}/\text{min}$ | 1~165 $\mu\text{L}/\text{min}$ |
|       | Motor  | DC Motor  | Stepper Motor                  |
|       | Rated Voltage  | 3 VDC   | 3 VDC *2                       |
|       | <p>Note: Details such as specifications, etc., may be changed without notice.</p> <p>*1: The flow rate of the QCP series is defined when used with the controller RE-C100.</p> <p>*2: The input power supply of the controller RE-C100 is 100 V AC (50-60 Hz).</p> <p>*3: Stainless steel pipes for connection and silicone tubing are attached to the standard chips when shipping.</p> |   |                                |