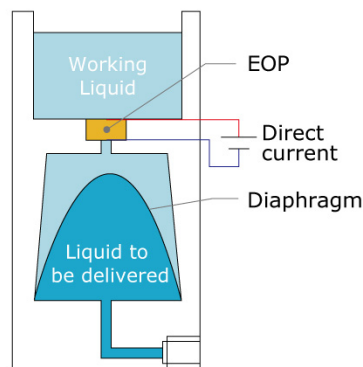


**EOP-Driven Micro Pumping Unit IBP Series****Features**

- This pump is based on the electroendosmosis principle and some of its characteristic features are no pulsations, quiet operation, small size, light weight, low power consumption and high pressure.
- Linear control of flowrate through change in voltage.
- 1MPa discharge pressure may be achievable.
- May be driven by batterie (voltage step-up circuit is required)

**Image of internal structure**

This pumping unit uses Electroosmotic pump as the pressure source. As shown in the figure, the diaphragm is pressurized from the top by the working fluid and thus, the liquid to be delivered is pumped out. Suction is also possible by reversing the polarity of the applied voltage when ethanol is used as the working fluid. (Optional Feature)

**Specifications**

|  |                                  |
|--|----------------------------------|
| Liquid for indirect drive/Working liquid | De-ionized Water                 |
| Wetted Materials                         | PEEK, Silicone                   |
| Flow Rate                                | 10 $\mu$ L/min                   |
| Discharge Pressure                       | 200 kPa                          |
| Power Consumption                        | 10 mW                            |
| Pump Capacity                            | 5 mL                             |
| Weight                                   | approx. 105 g (excluding liquid) |

Note: These are the specifications when the operating voltage is 24VDC.  
Details including specifications may change without notification.

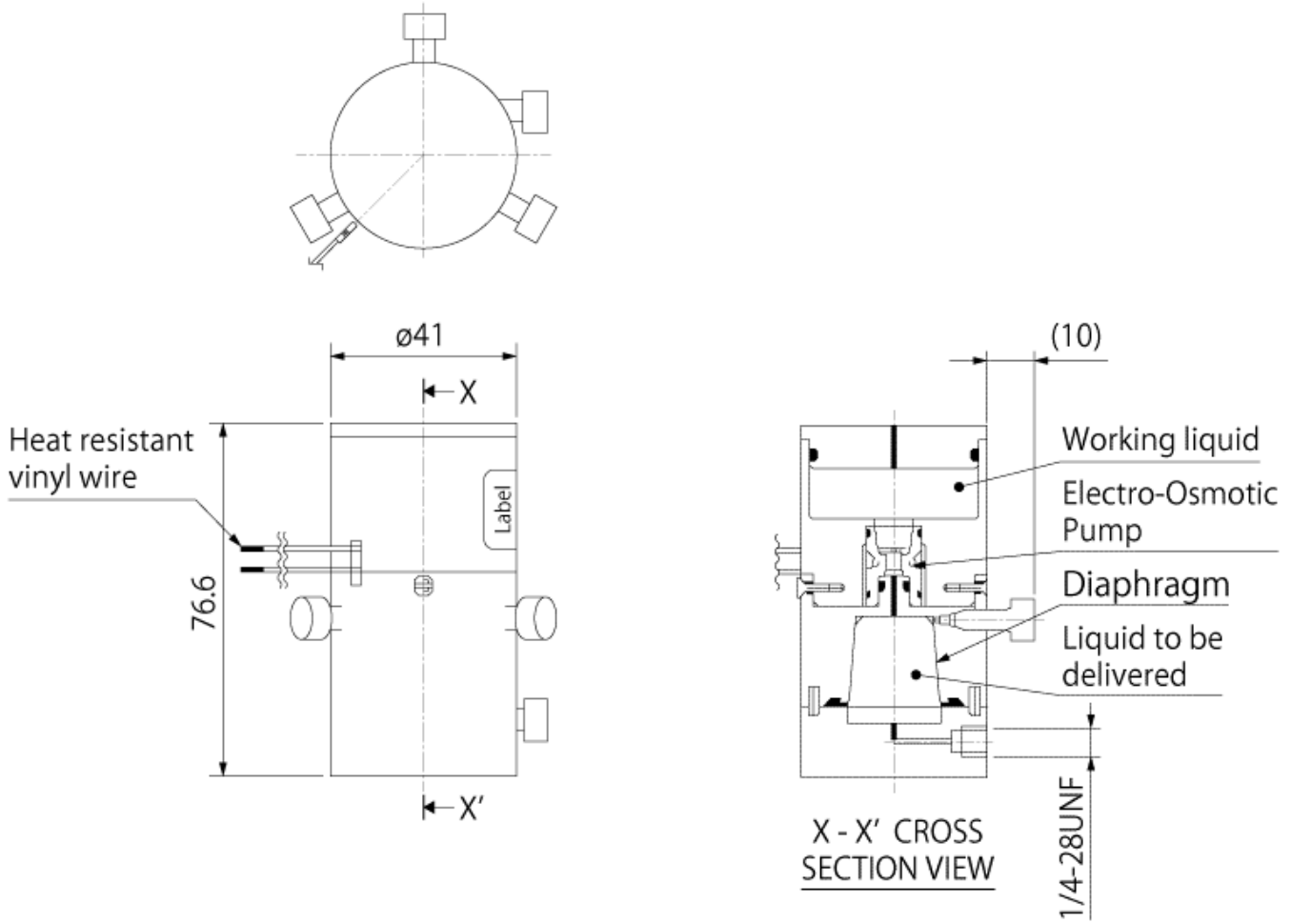
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# Dimensions



# Comparison of pulsations with syringe pump

