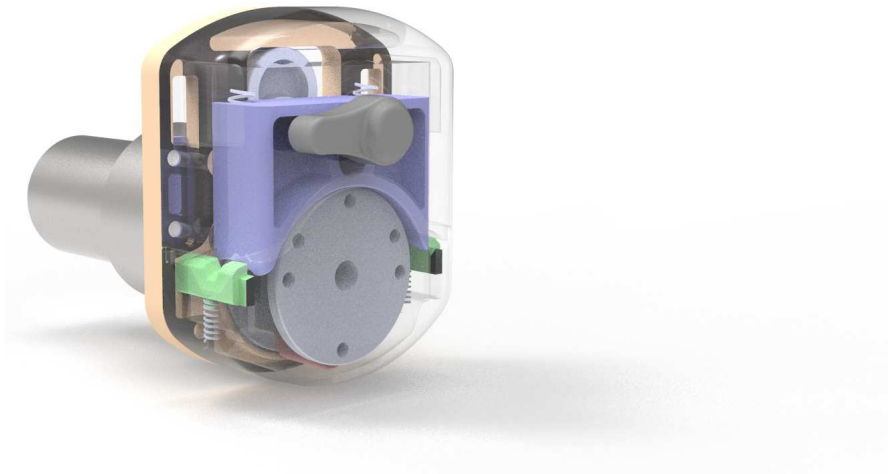


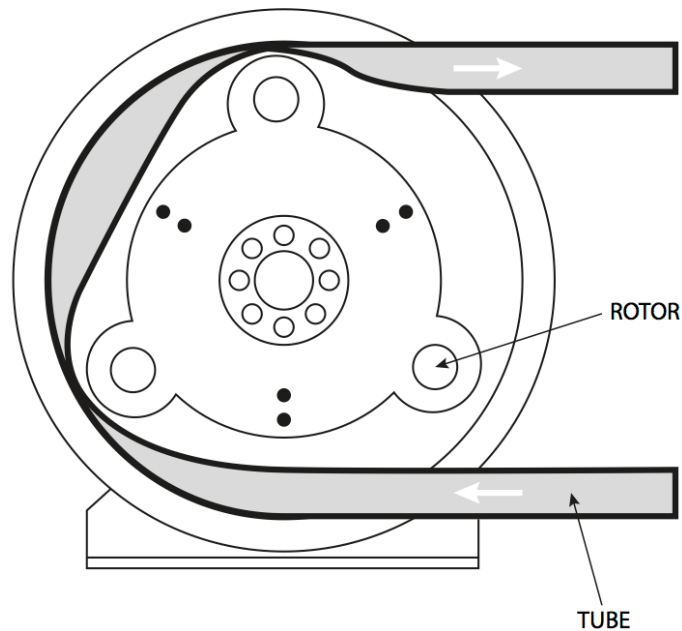
# ESACROM PERISTALTIC PUMP



**ESACROM**   
electronics and medical devices

# PRINCIPLE OF OPERATION

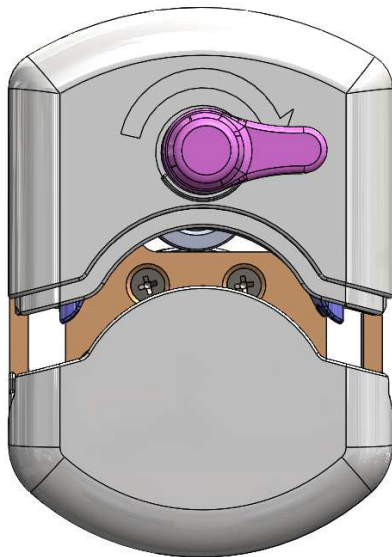
The alternation of compression and relaxation of the tube, causes from one end the vacuum that sucks the product into the pump and on the other the leakage of the product.



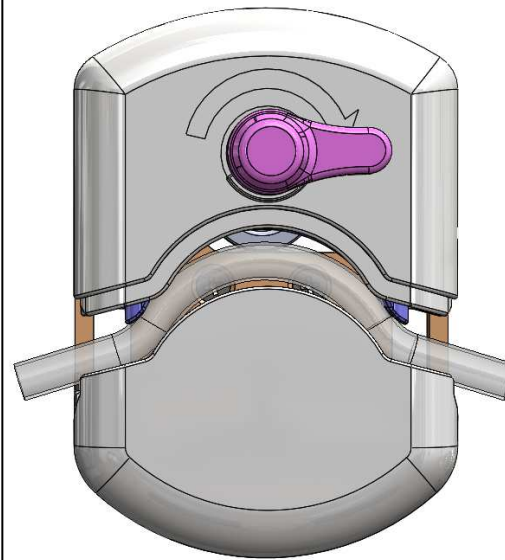
# INSERTING THE TUBE



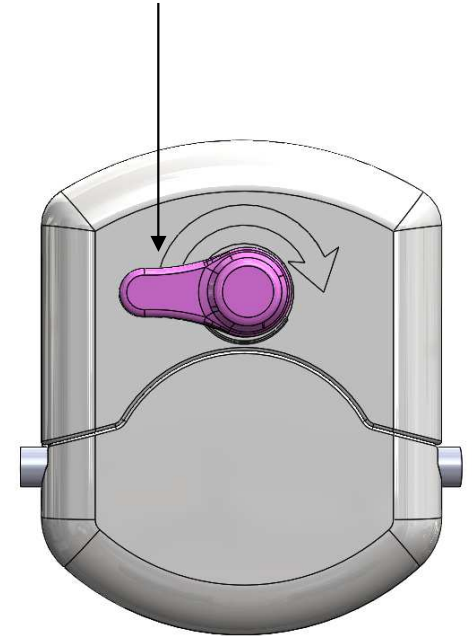
Rotate lever clockwise as indicated by the arrow



The lever is connected to a cam mechanism that will open the compartment that houses the pipe



Insert the tube



Turn the lever counterclockwise. The tube will be crushed and placed ready for use

# MECHANISM

Cam lever that allows opening and closing of the peristaltic mouth

In the central area there is a compensator that thanks to the springs keeps calibrated the crushing of the tube on the rollers

IN

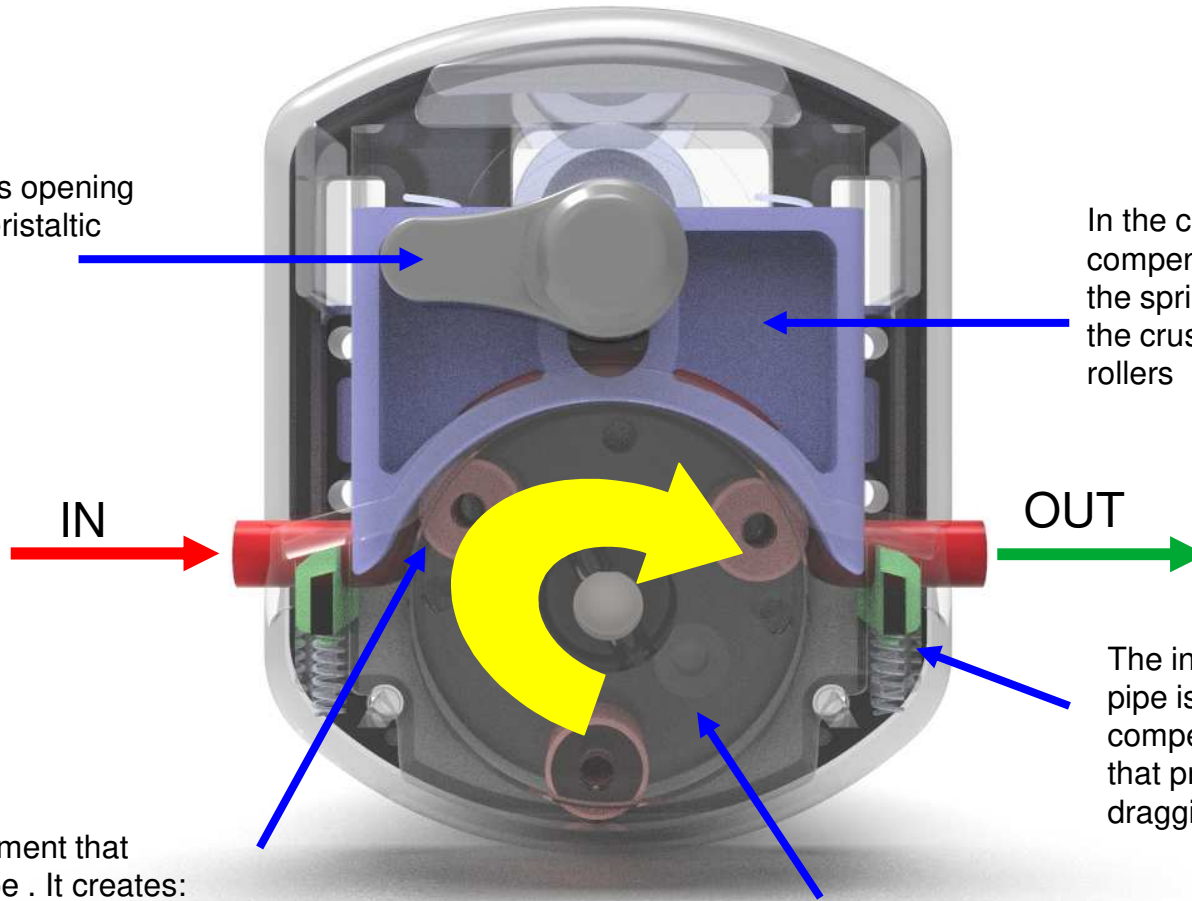
OUT

The roller is the element that compresses the pipe . It creates:

- the push to the liquid in front of it
- behind it the vacuum that will aspire the liquid

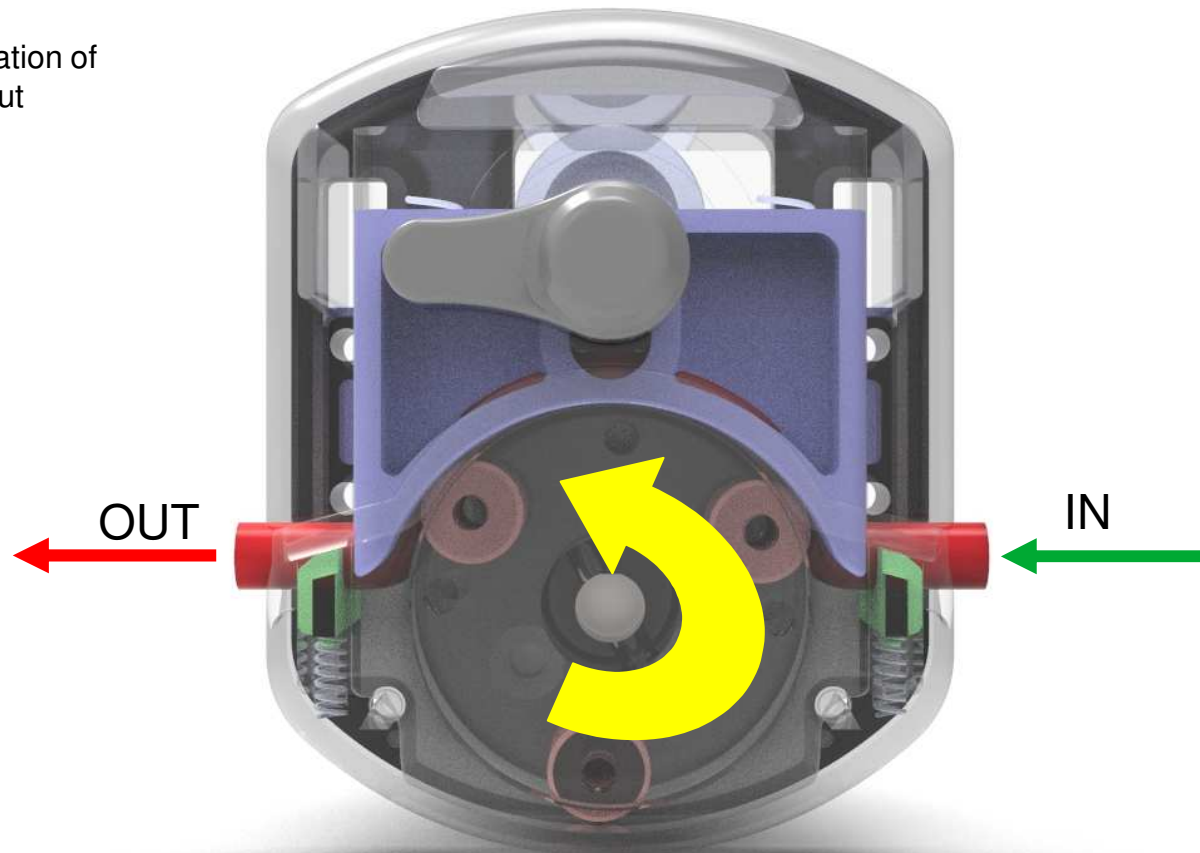
The inlet and outlet of the pipe is stapled by guillotines compensated with springs that prevent the pipe from dragging

The rotor body is connected to the crankshaft. While rotating It allows the crushing movement of the rollers on the tube



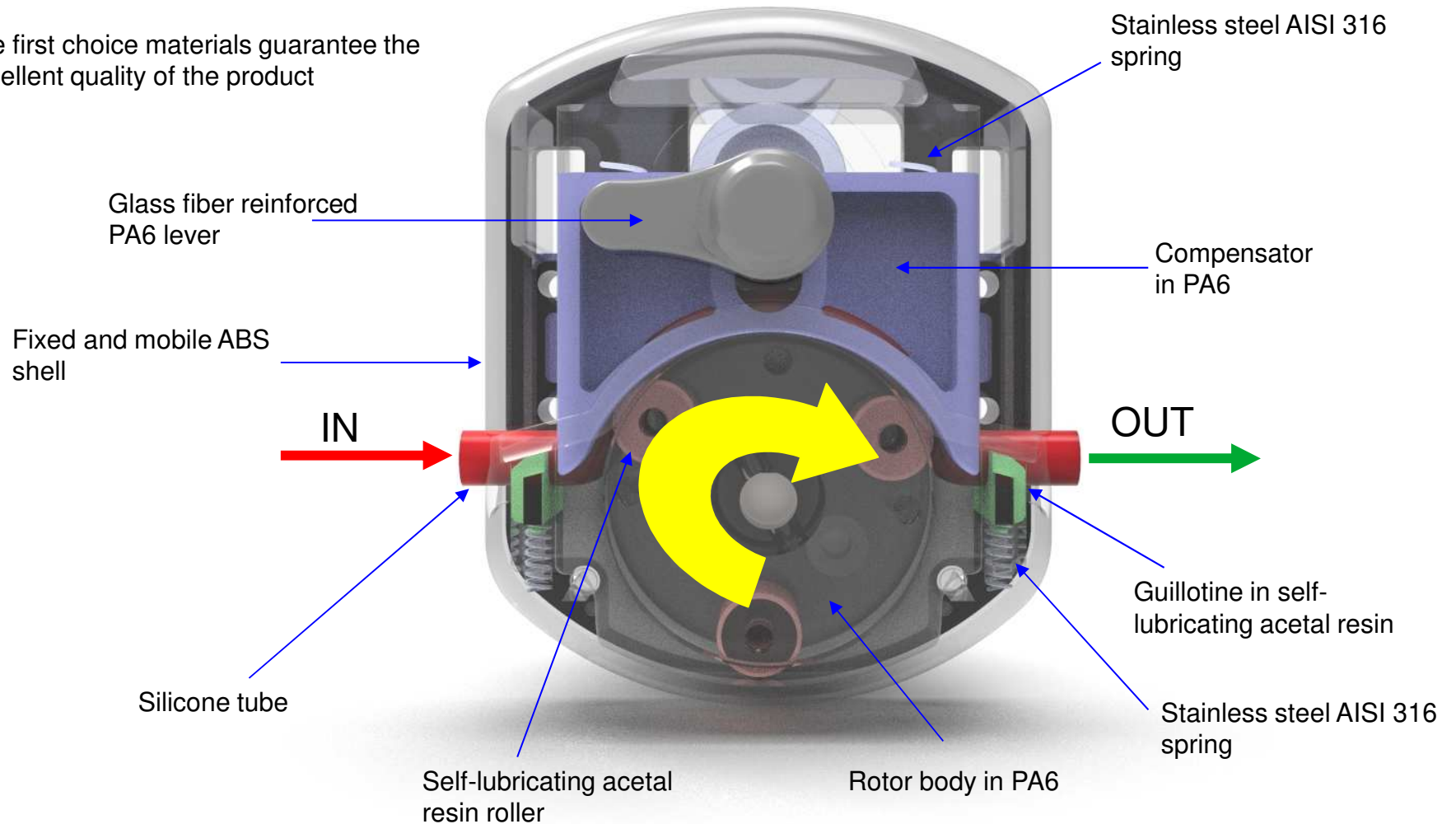
# MECHANISM

Reversing the direction of rotation of the motor we can reverse input and liquid outlet

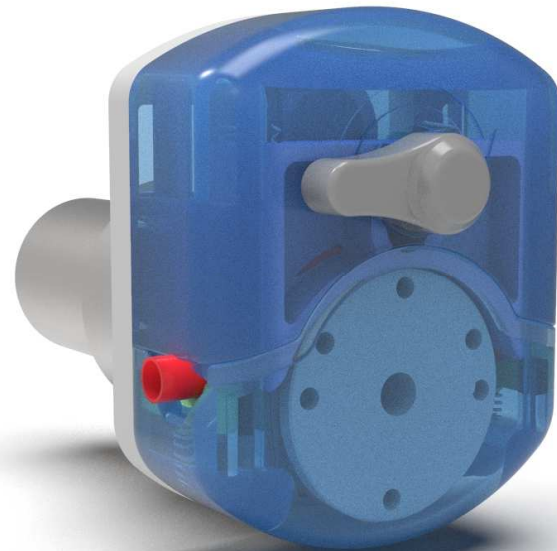
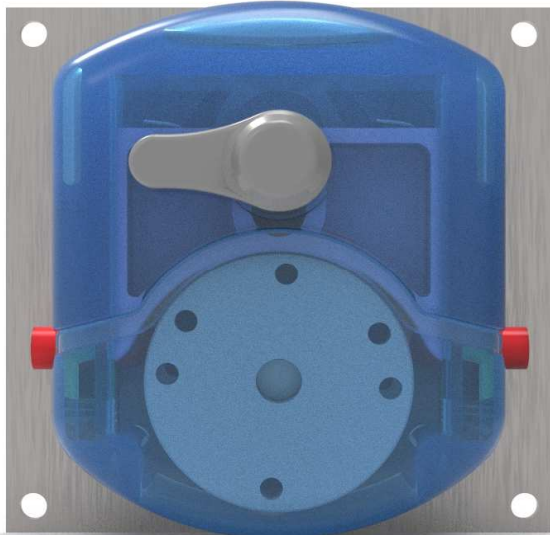


# MATERIALS

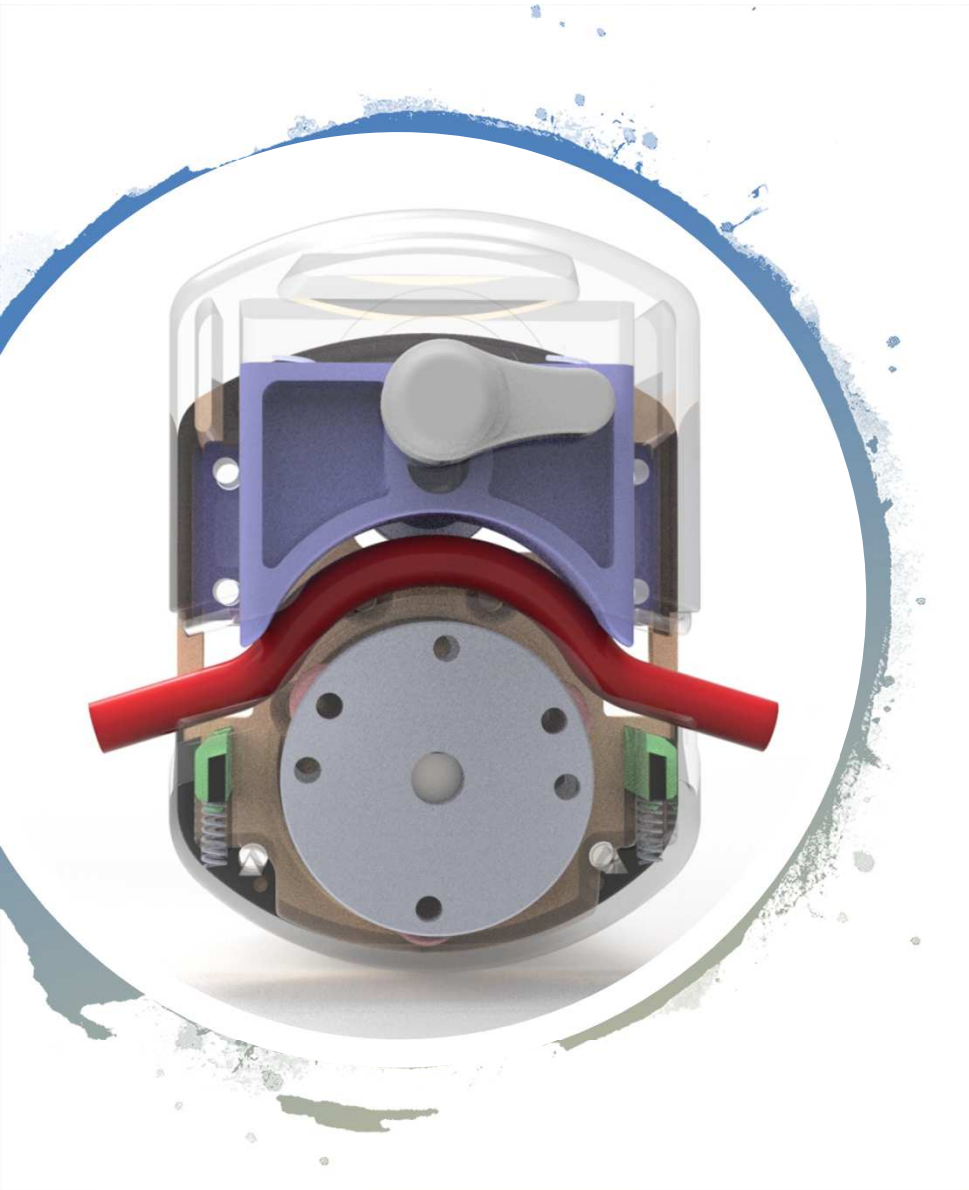
The first choice materials guarantee the excellent quality of the product



# PUMP FIXING WITH 4 3MA SCREWS







# GENERIC SPECIFICATIONS

- Motor 24 Vdc 500 ma
- 5000 RPM
- Reducer 1/50;
- Max pump speed 100RPM
- Pump capacity with silicone tube diameter 4x7mm, 110 ml approx. minute
- Pump capacity with silicone tube diameter 4.8x8mm, 150 ml approx. minute
- The flow rate is conditioned by the thickness and diameter of the tube
- All materials used are biocompatible
- The bracket is made in stainless steel
- Pump dimensions 60x74 mm Depth 29 mm
-



## STAINLESS STEEL BRACKET SIZE AND TEMPLATE SIZE

