

NYMPH SMART FLOW METER ASSEMBLY MANUAL



CONTENTS

INTRODUCTION	03
SETUP	04
Arduino	04
Software	06
NYMPH Assembly - Parts	08
Pipe mounting	13

INTRODUCTION

3D PRINTING PROCESS

Fused Deposition Modeling (FDM)

MATERIAL

PLA

LAYER HEIGHT

Recommended: 0.2mm

EXTRUDE WIDTH

Recommended: 0.4mm

INFILL TYPE

Recommended: Triangle

INFILL PERCENTAGE

Recommended: 40 %

WALL COUNT

Recommended: 4

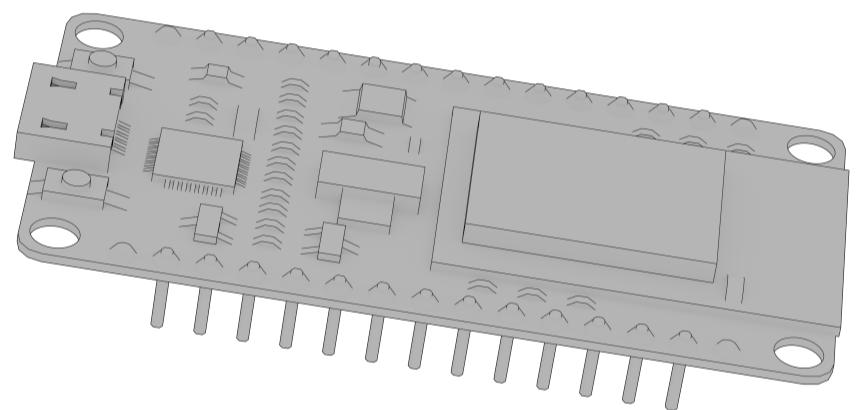
SOLID TOP/BOTTOM LAYERS

Recommended: 5

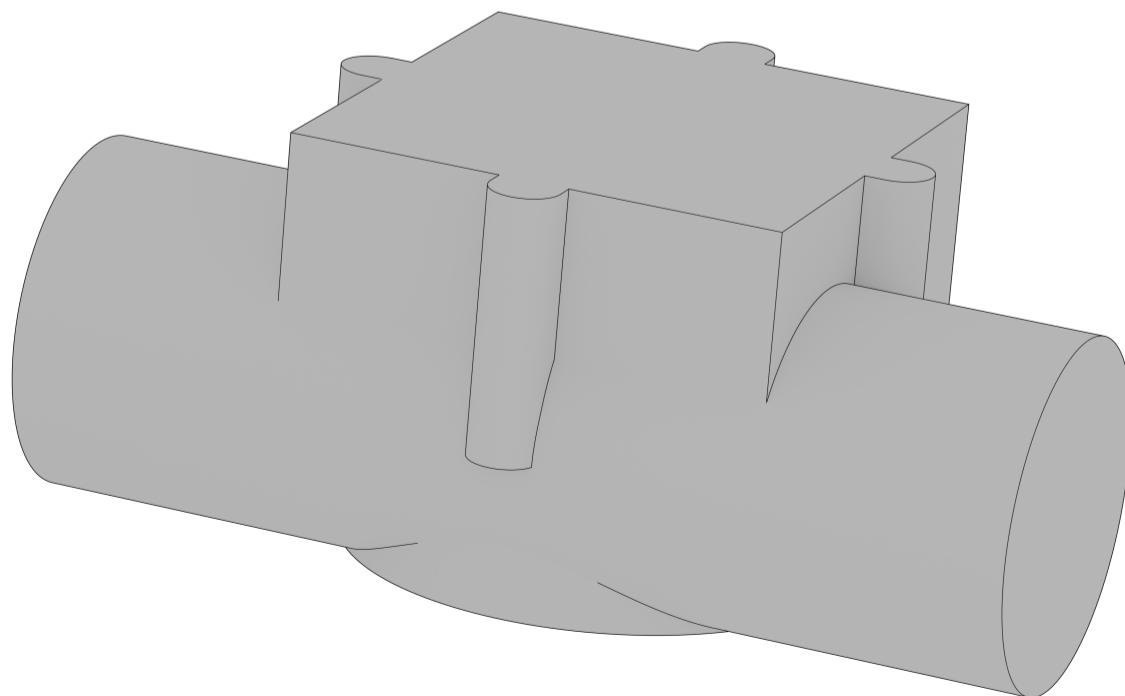
SETUP - Arduino setup



ARDUINO SOFTWARE (IDE)

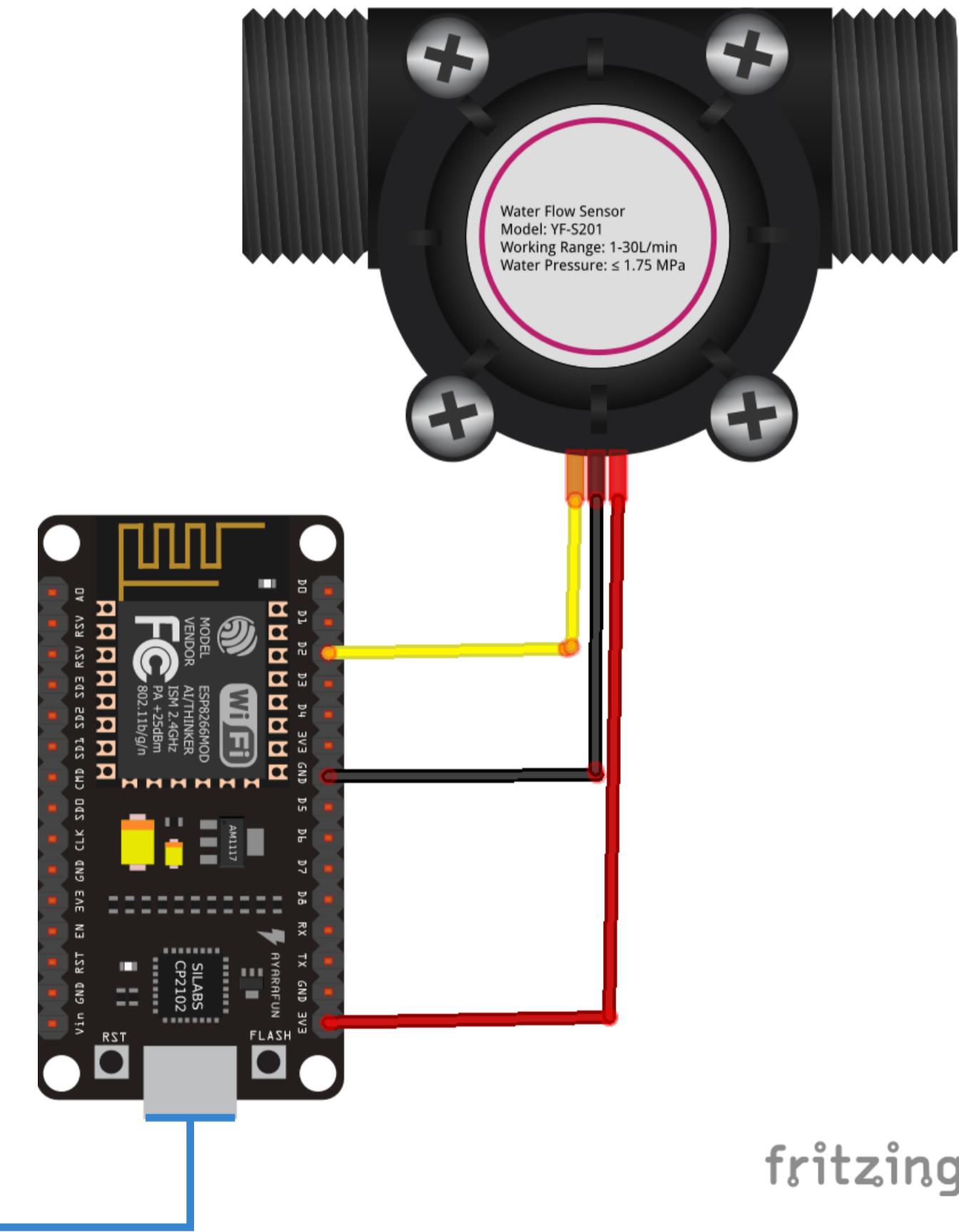
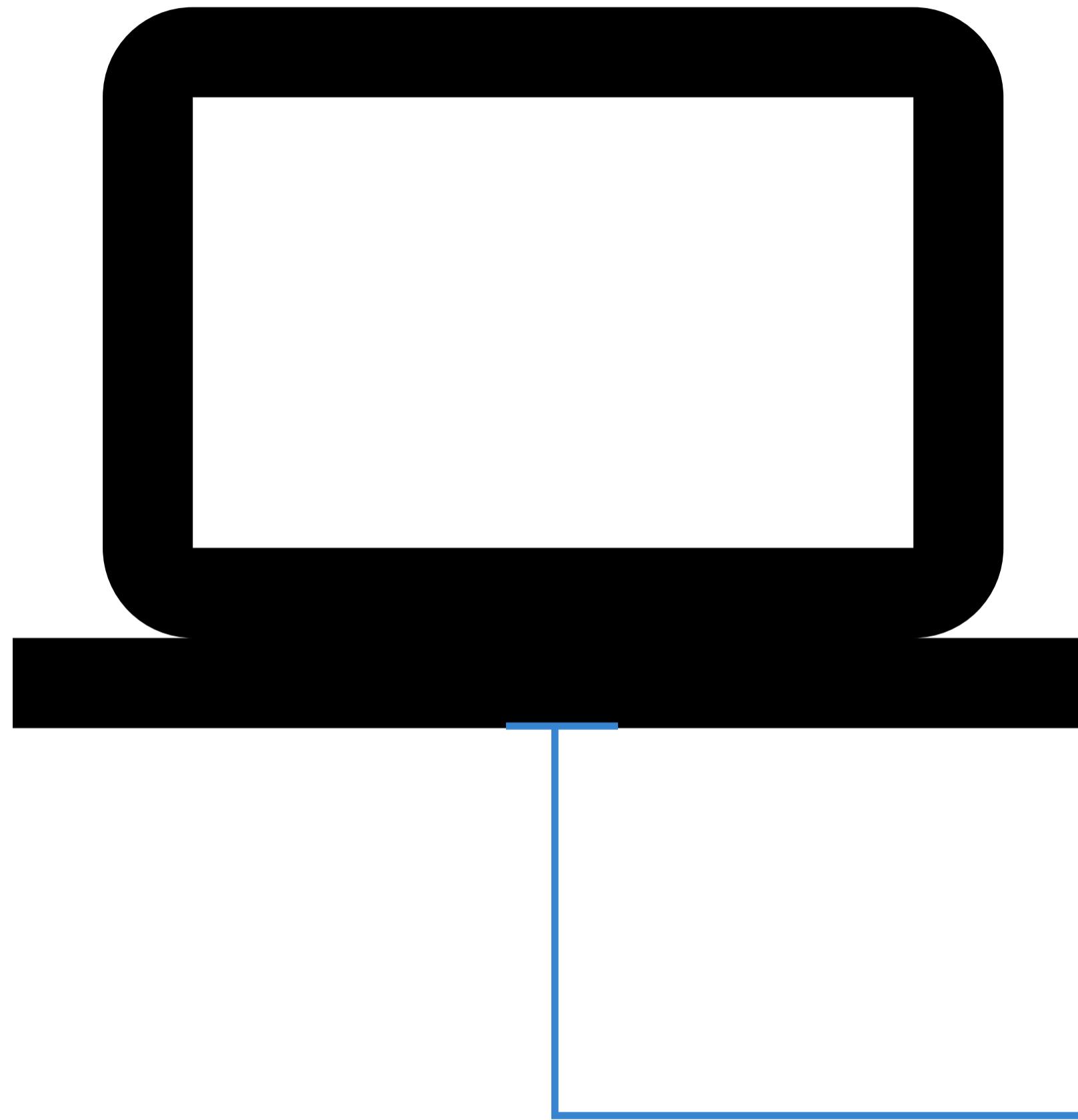


NODEMCU V3 ESP8266 ESP-12E



DN32 FLOWMETER 1.25

Arduino setup



Connect Your Esp To Computer

Yellow Wire (Signal Pin) To NodeMCU D2 Pin
Red Wire To NodeMCU 3.3V Pin
Black Wire To NodeMCU Gnd Pin

SETUP - Software Setup



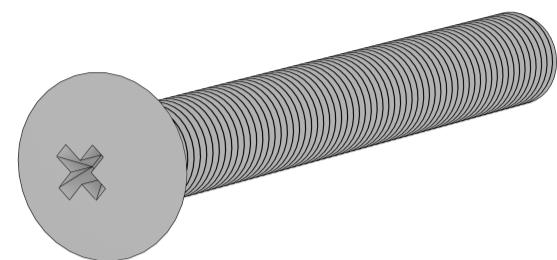
Blynk App

Software Setup

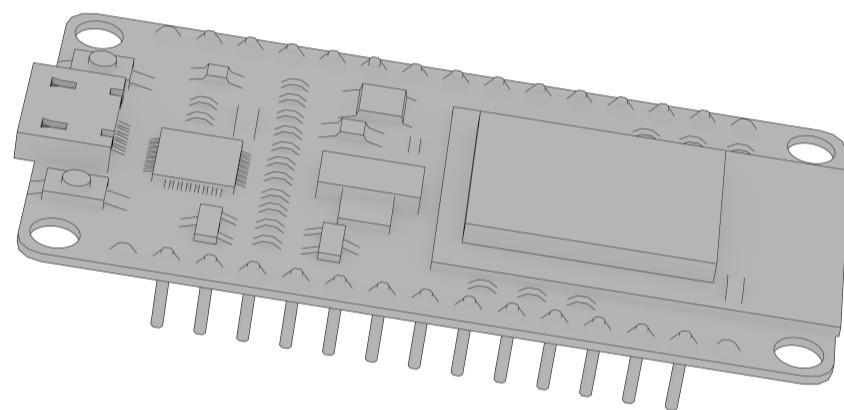
1. Download and install the Blynk Mobile App for iOS or Android.
2. Create a new project yourself and manually arrange and setup the widgets.
3. Get your Auth code.
4. run “Nymph_Flow_Sensor_V2.ino” (you can download it from github)

```
1 #define BLYNK_TEMPLATE_ID           "TMPL8jDCuksv"
2 #define BLYNK_TEMPLATE_NAME         "Quickstart Device"
3 #define BLYNK_AUTH_TOKEN           "XXXXXXXXXXXXXX" → write your auth code here
4
5 #include <ESP8266WiFi.h>
6 #include <BlynkSimpleEsp8266.h>
7 // Blynk sunucusu ile bağlantı kurmak için kullanılacak Wi-Fi bilgileri
8 char ssid[] = "XXXXXXXXXX"; → your wifi
9 char pass[] = "XXXXXXXXXX"; → your wifi password
```

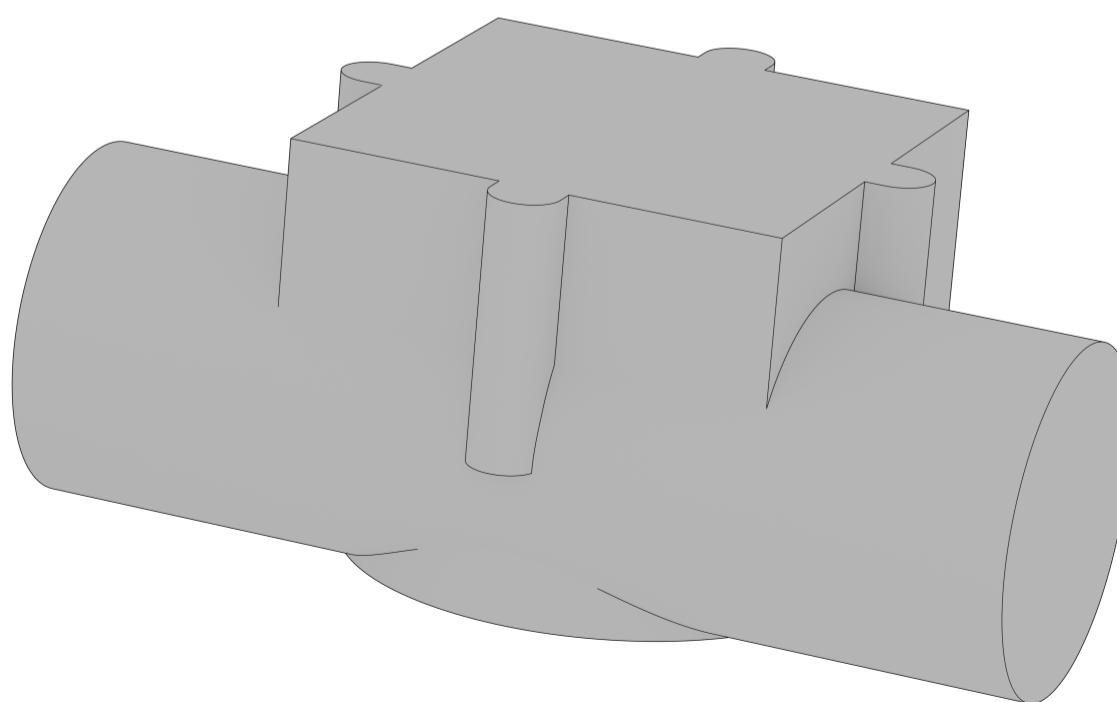
SETUP - NYMPH Assembly - Parts



M3 X 25MM PHILLIPS PAN HEAD SCREWS/ X4

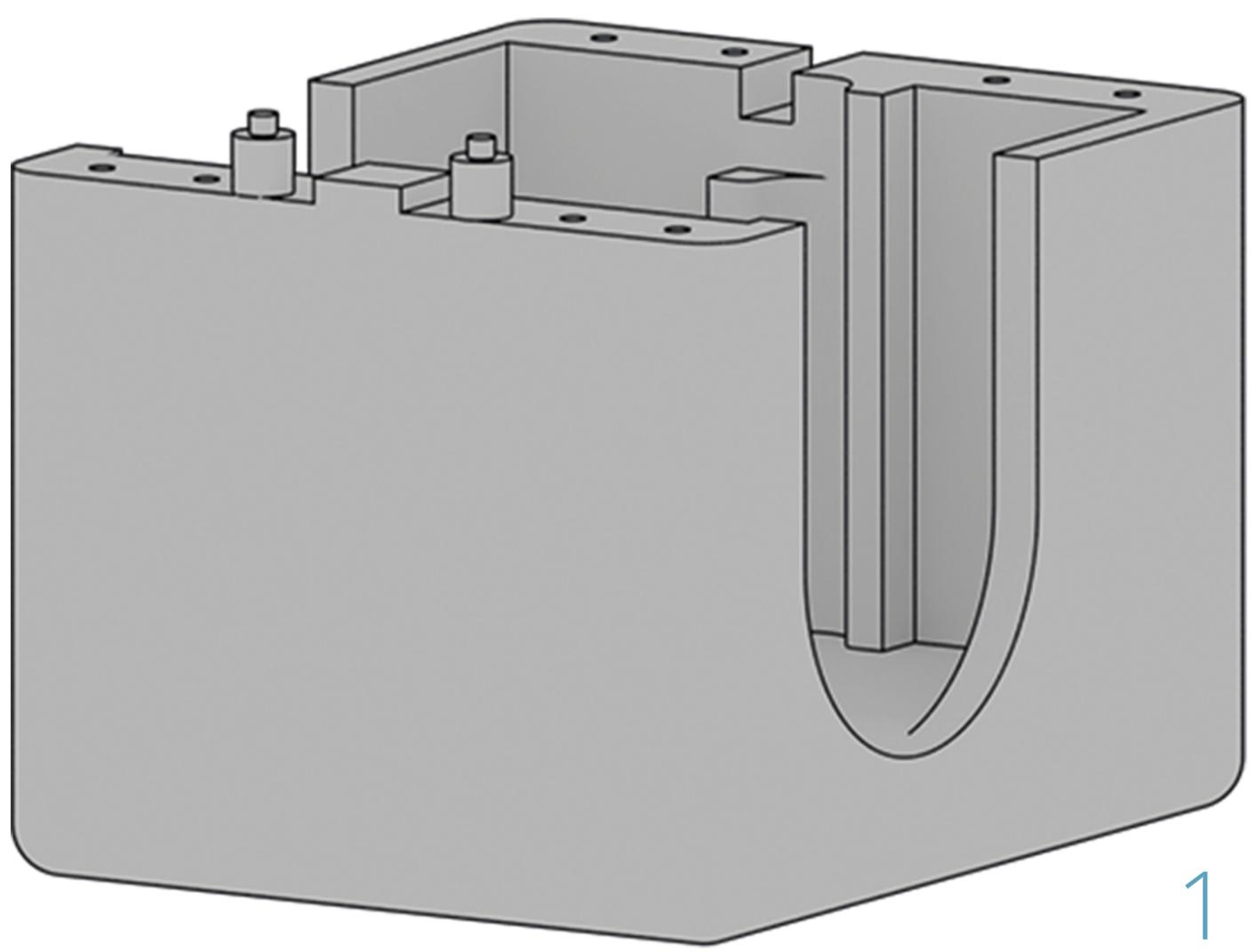


NODEMCU V3 ESP8266 ESP-12E

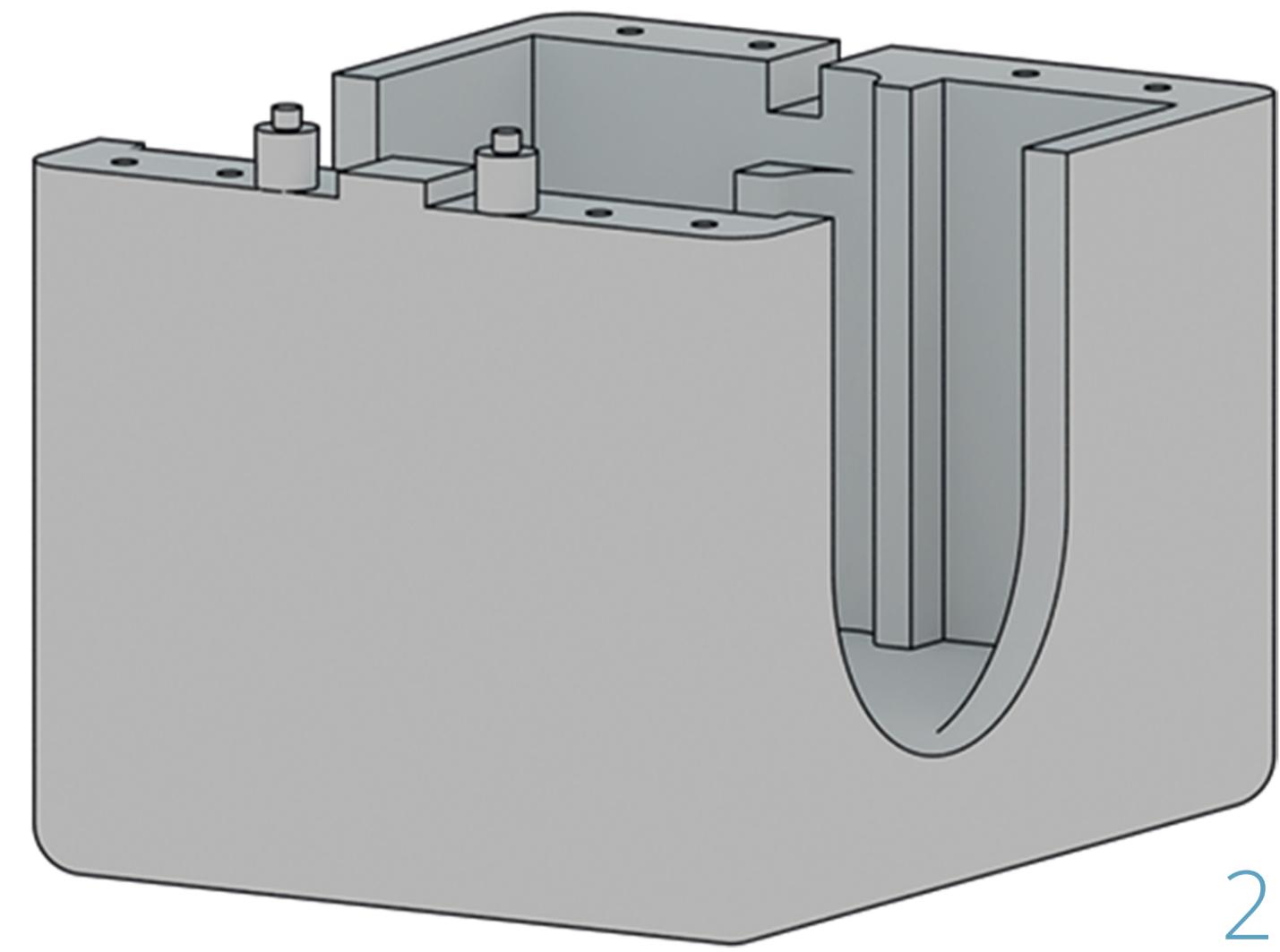
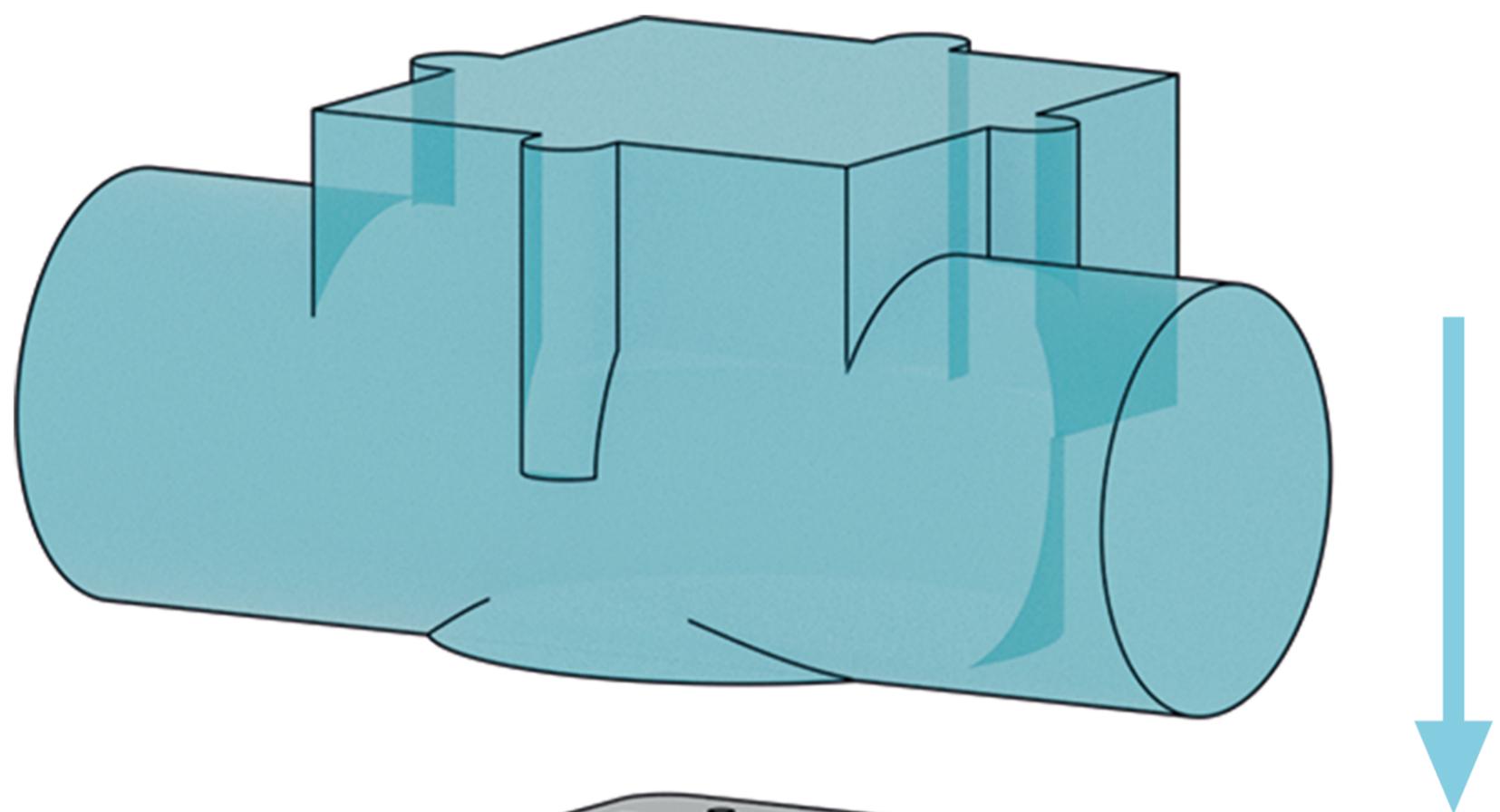


DN32 FLOWMETER 1.25

NYMPH Assembly

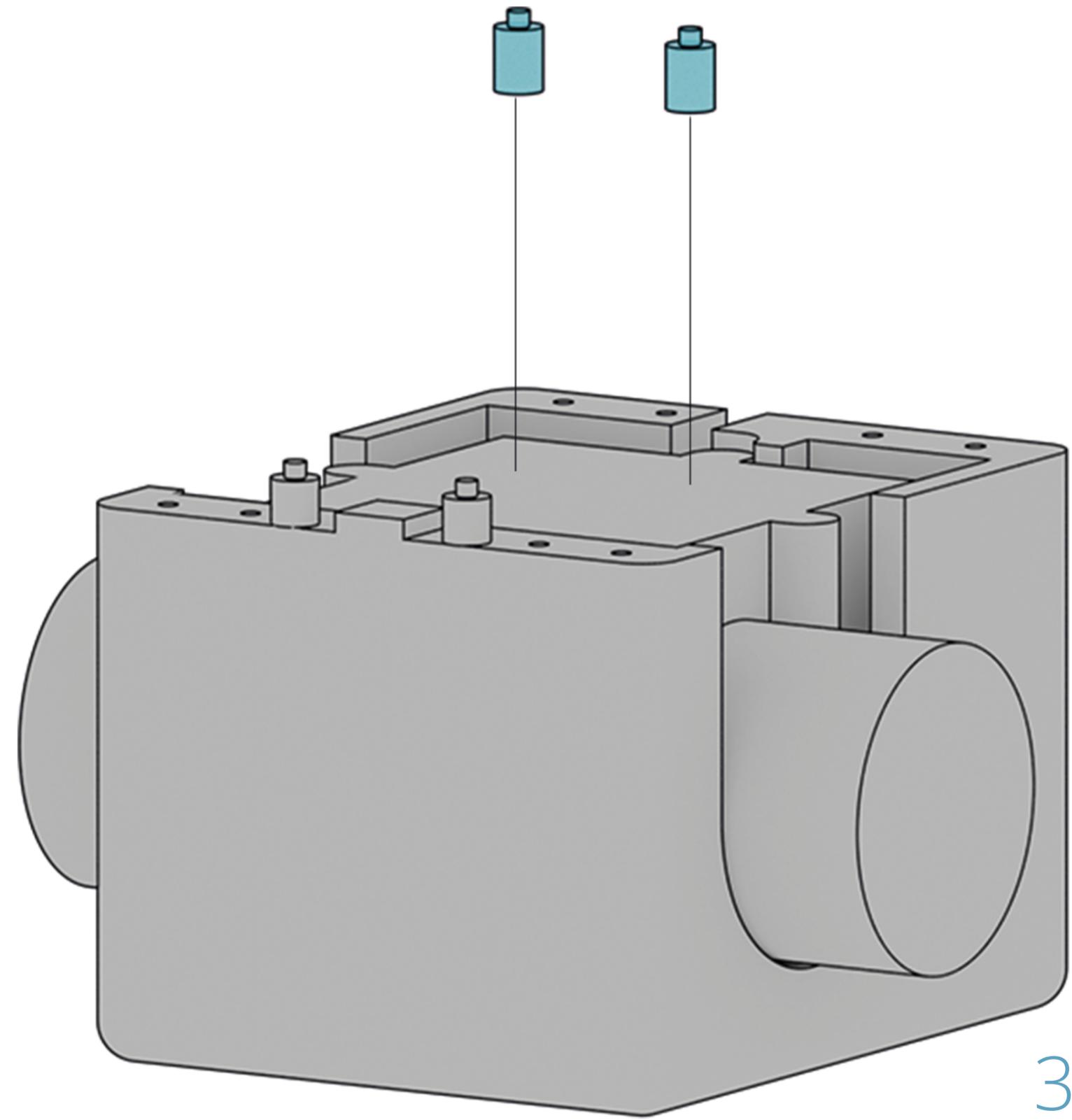


1

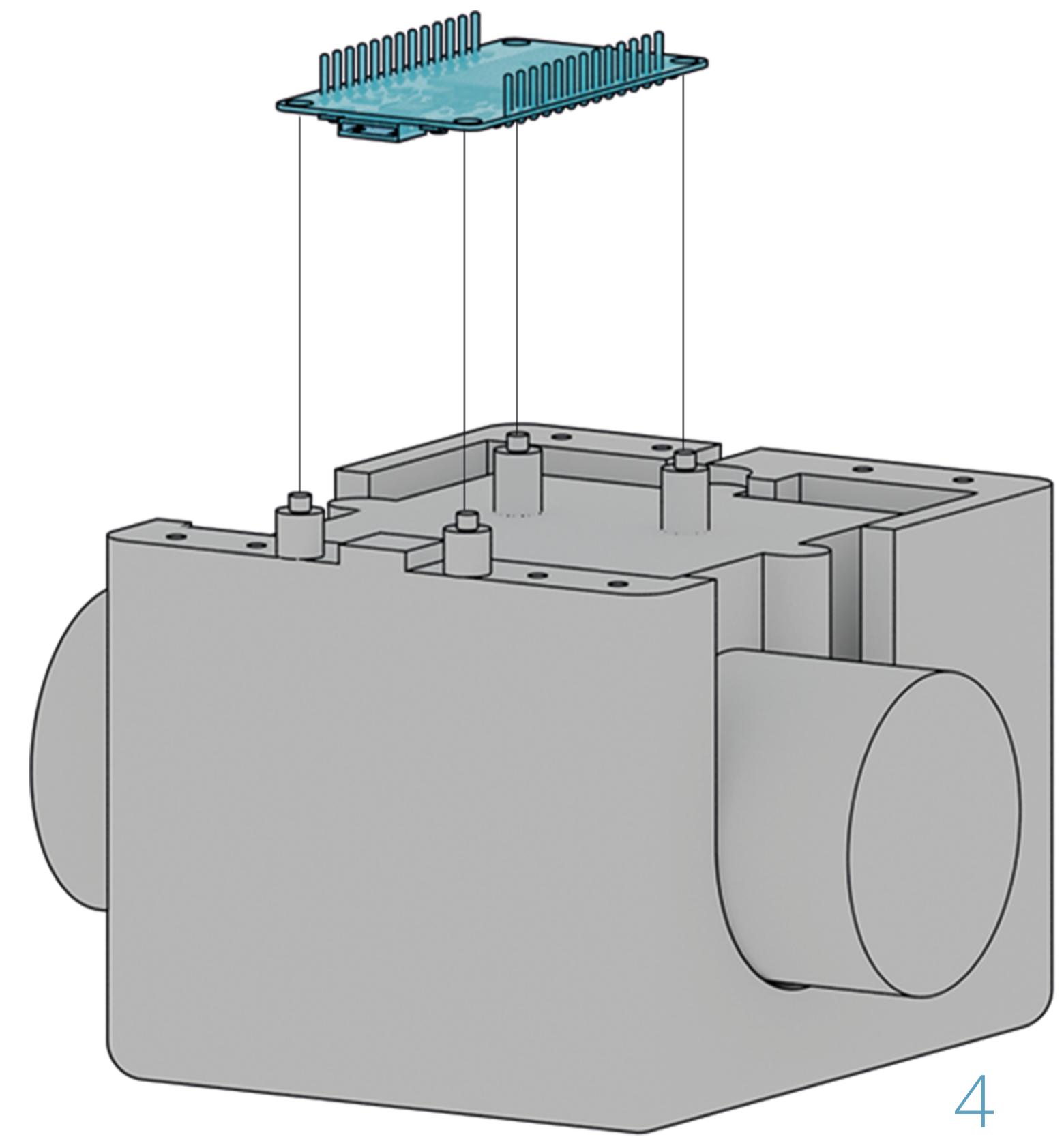


2

NYMPH Assembly

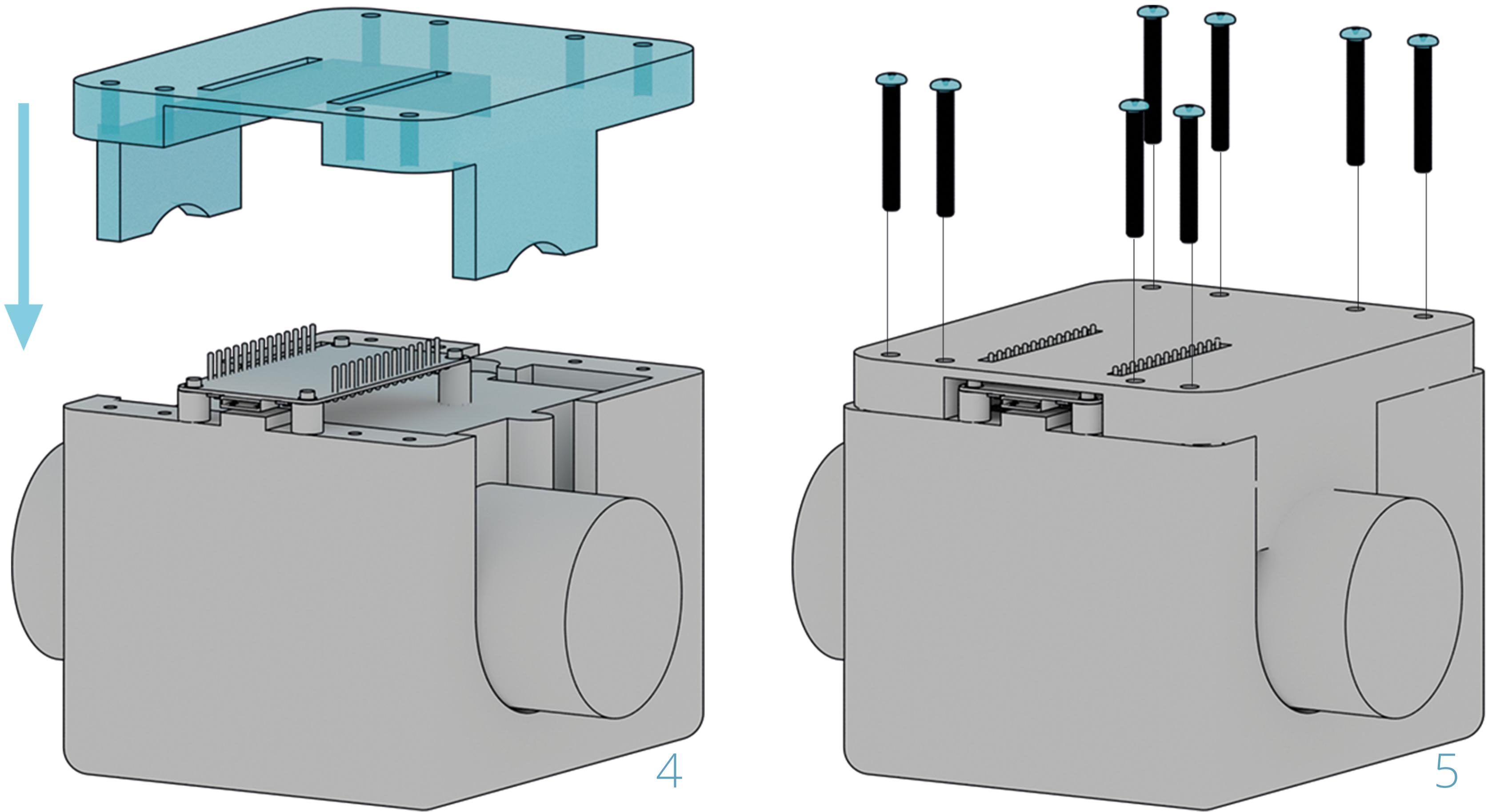


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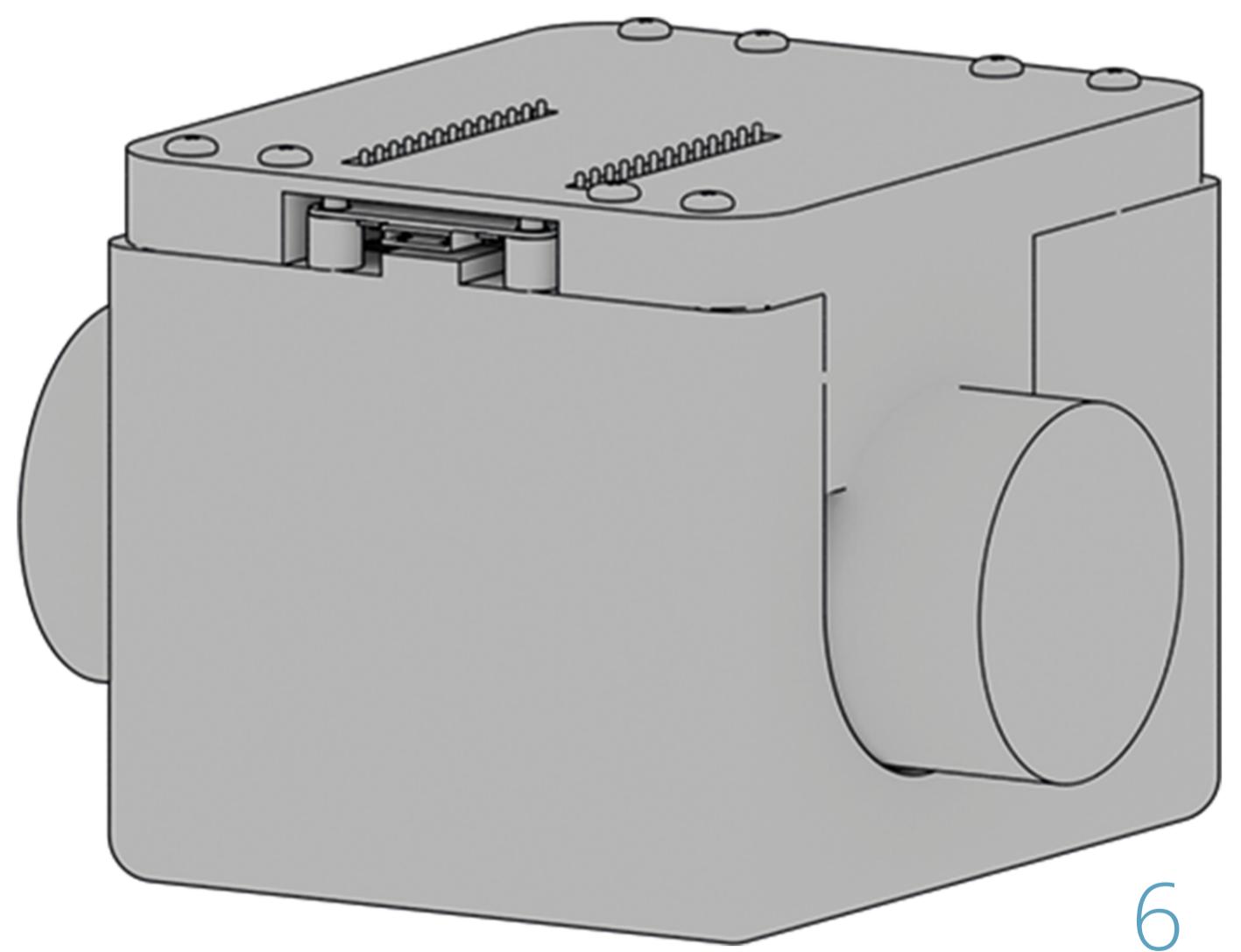


4

NYMPH Assembly



NYMPH Assembly



SETUP - Pipe mounting



PIPE CUTTERS

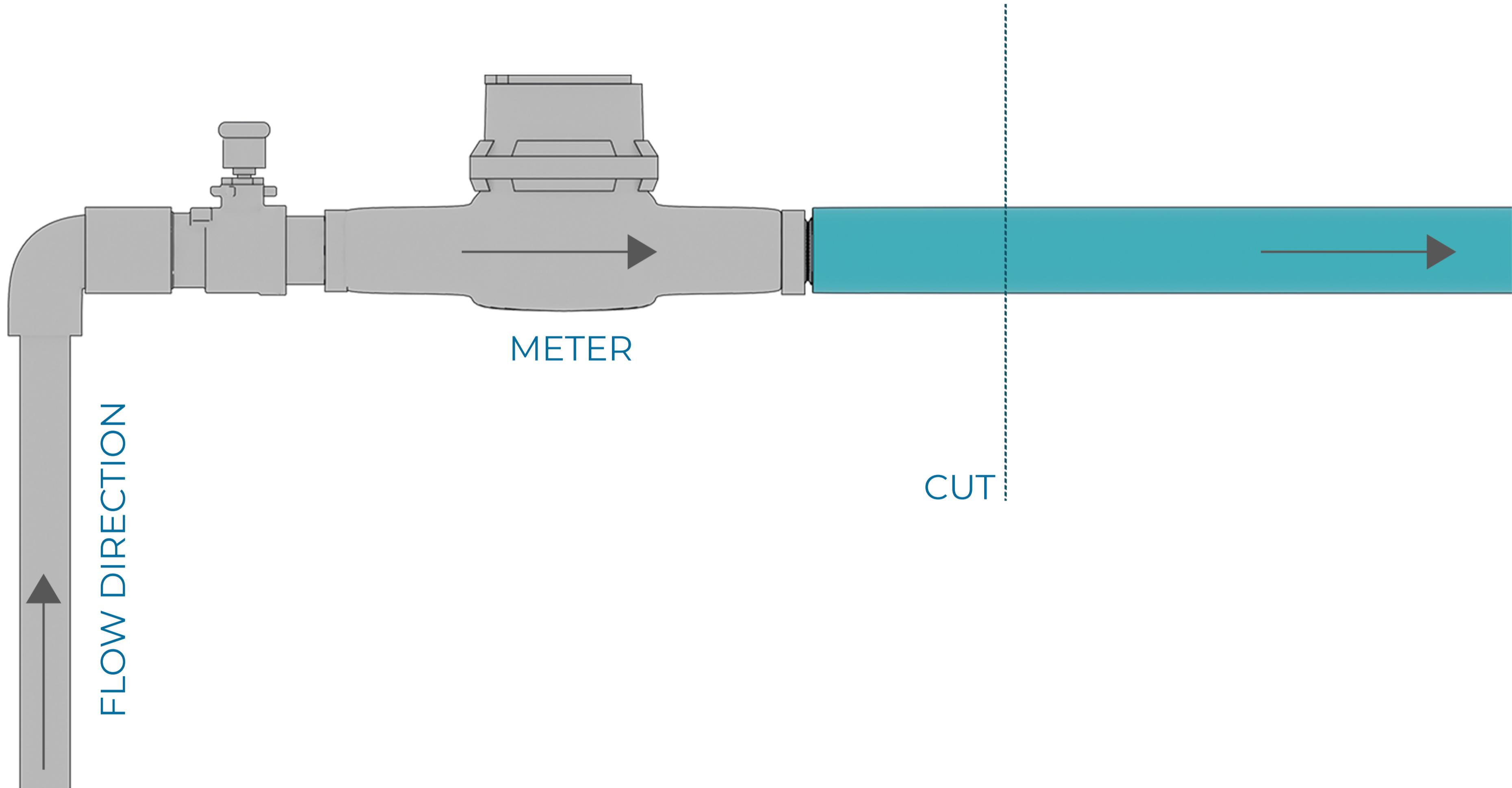


SU SAYACI REKORU 3/4 / X2

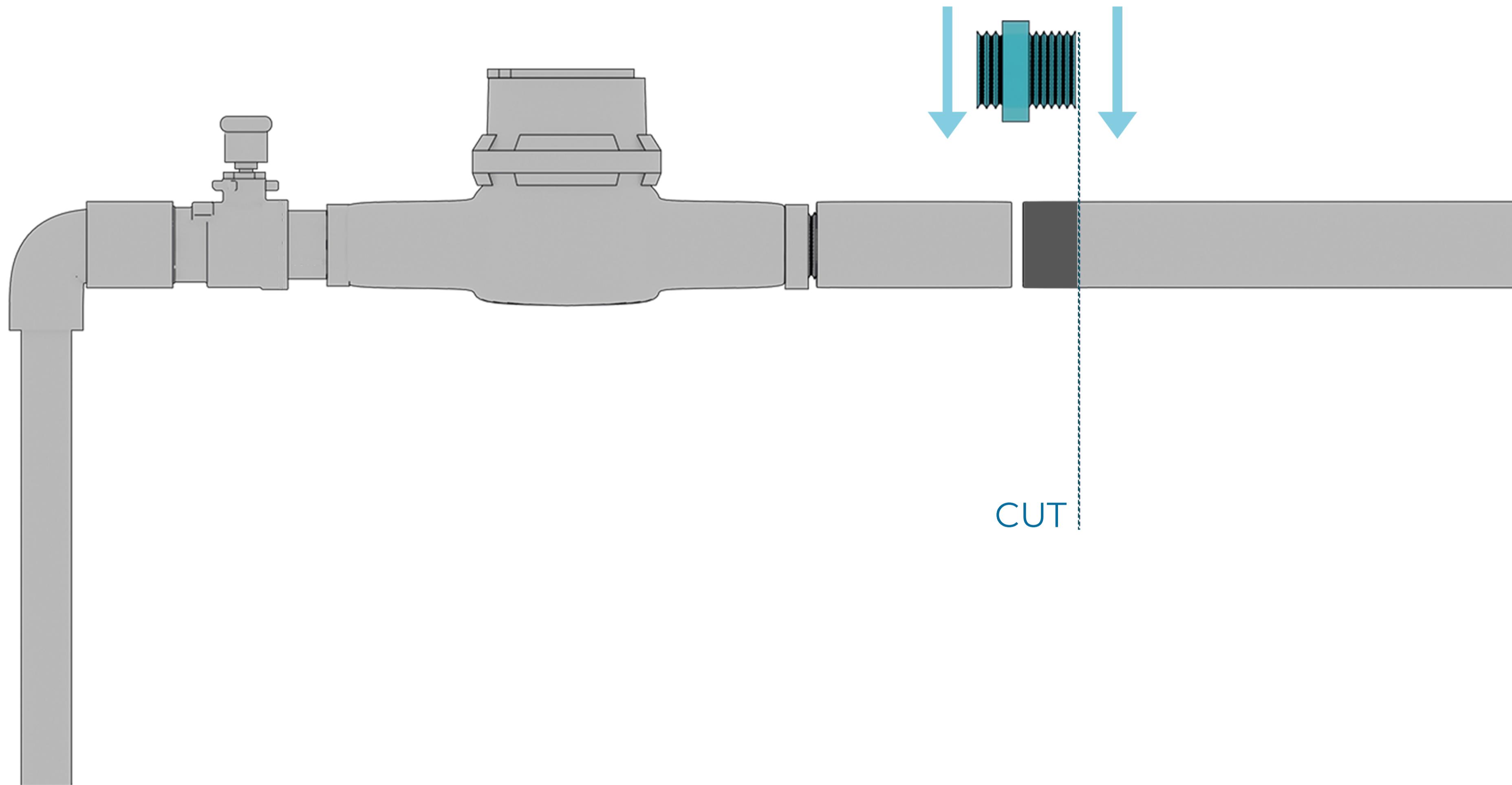


TEFLON TAPE

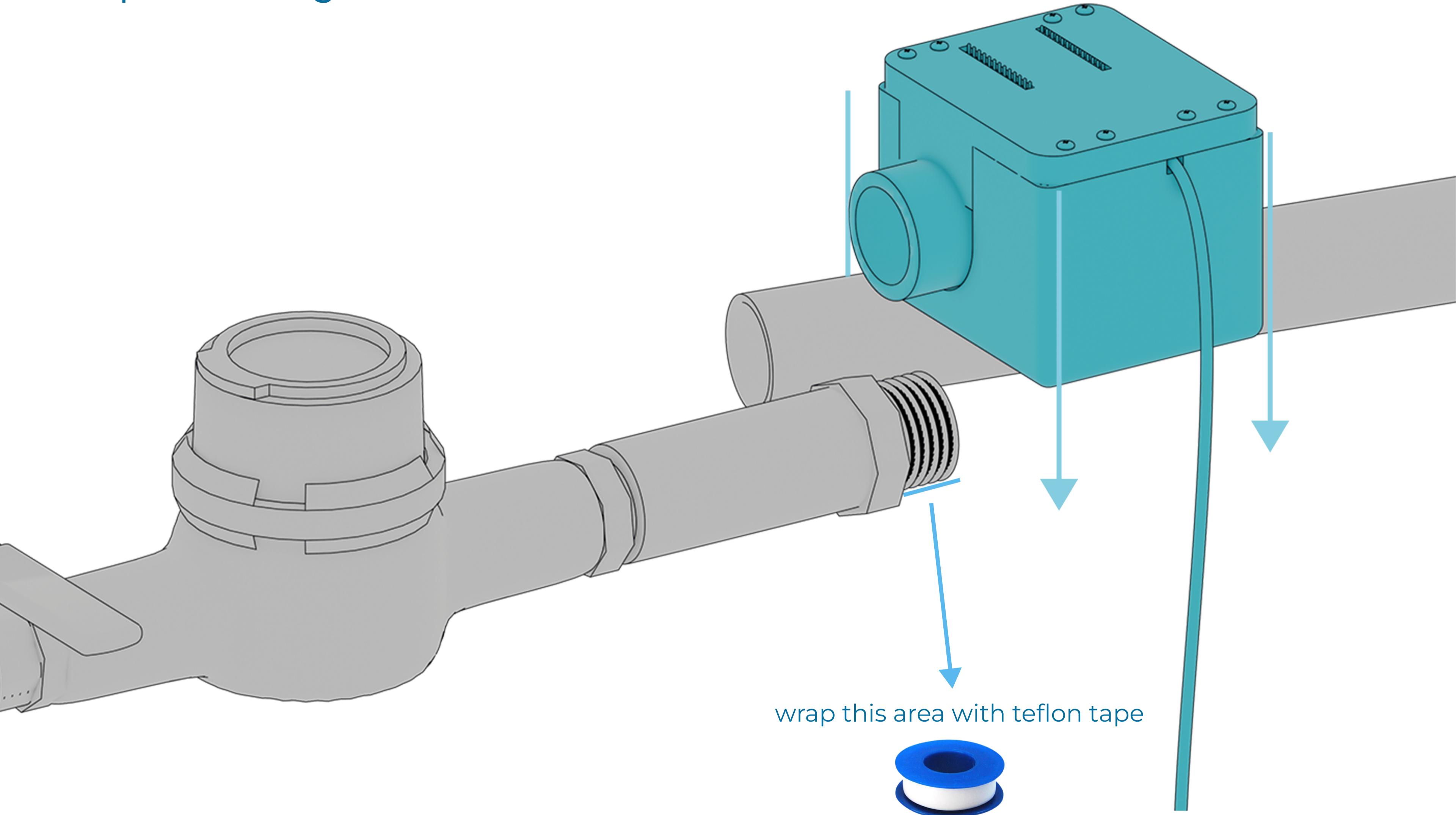
Pipe mounting



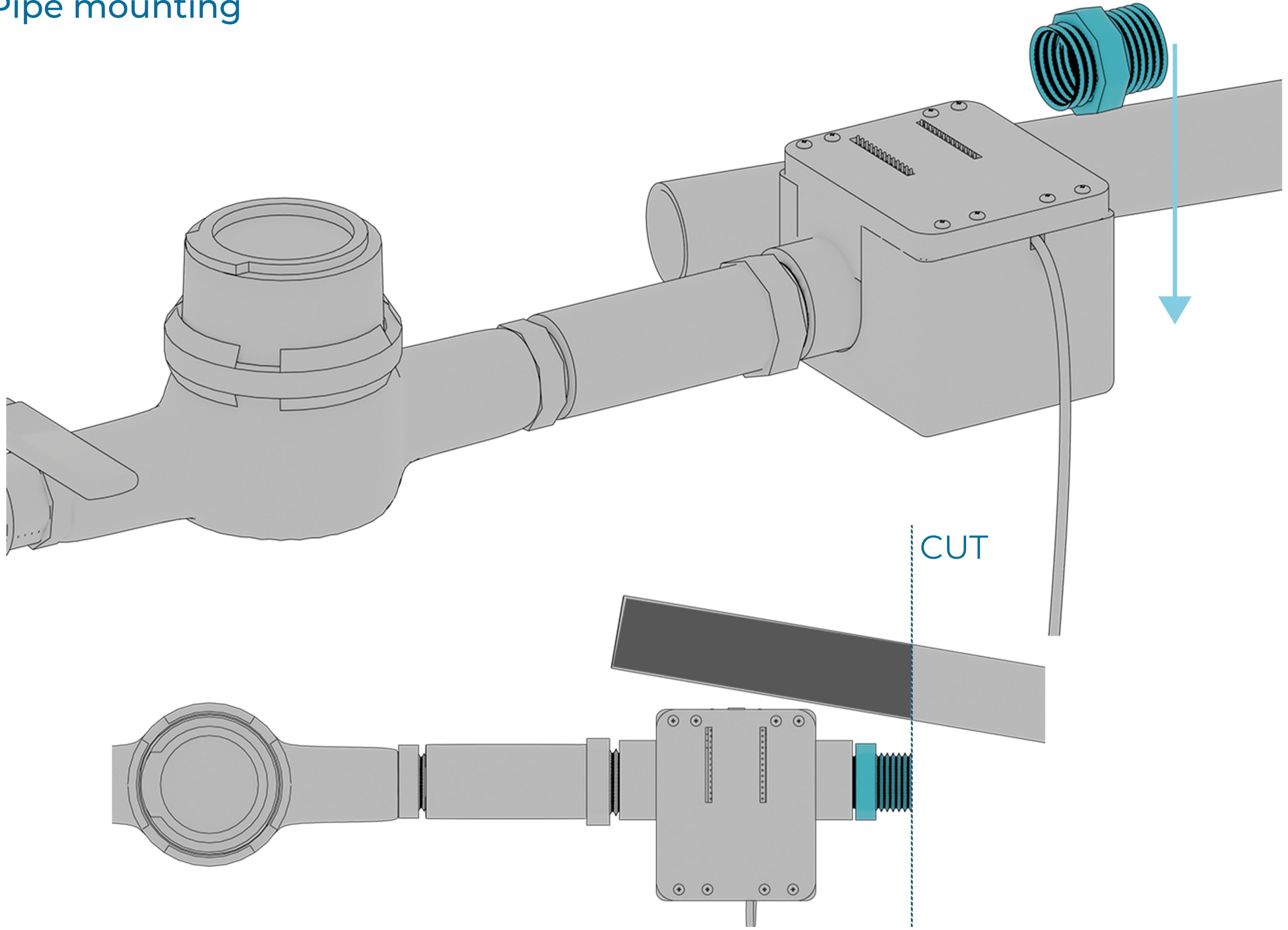
Pipe mounting



Pipe mounting



Pipe mounting



Pipe mounting

