Response to comments from Anonymous Referee #1 on manuscript egusphere2022-565: "Development of an automated pump efficiency measuring system for ozonesonde utilizing the airbag type flowmeter"

We appreciate your valuable comments on our paper.

General remarks:

The paper is well structerized and written, whereby it is recommended that a native english speaking person should improve some of the english in the paper.

We are considering to make proofreading by a native speaker.

Some comments

L10   Replace: emulating by simulating

L14   Replace: accumulated by collected

L24   Replace: the detailed by a detailed

L25   Replace: flew up by flown

L27   Replace: chemical by electrochemical

L31   Replace: 80% by more than 90%

L62   Replace: research themes in the past by other investigators

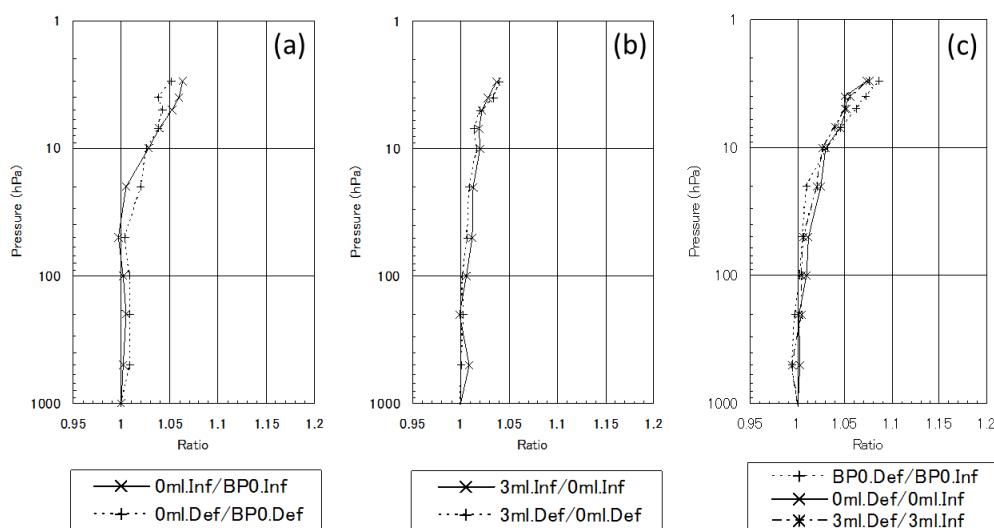
L63/64 Replace silicone membrane by bubble

L66   Replace: the ECC- by ECC-

L124   Replace: to a small by of a small

We will replace as you stated.

Figure 8: Larger charactersize in legends

We increased charactersize in legends. We will modify the diagram as follows.

To be clear to the reader that after section 3-3 all further pump efficiencies reported in chapters 4 and 5 are always measured and determined with a 3 ml sensing solution in the cathode cell.

At the end of line 237 in section 3.3, we will note that "All further pump correction factors reported in chapters 4 and 5 are always measured and determined with a 3 ml reaction solution in the cathode cell."

Figure 16: Larger charactersize of axis

We increased charactersize of axis. We will modify the diagram as follows.