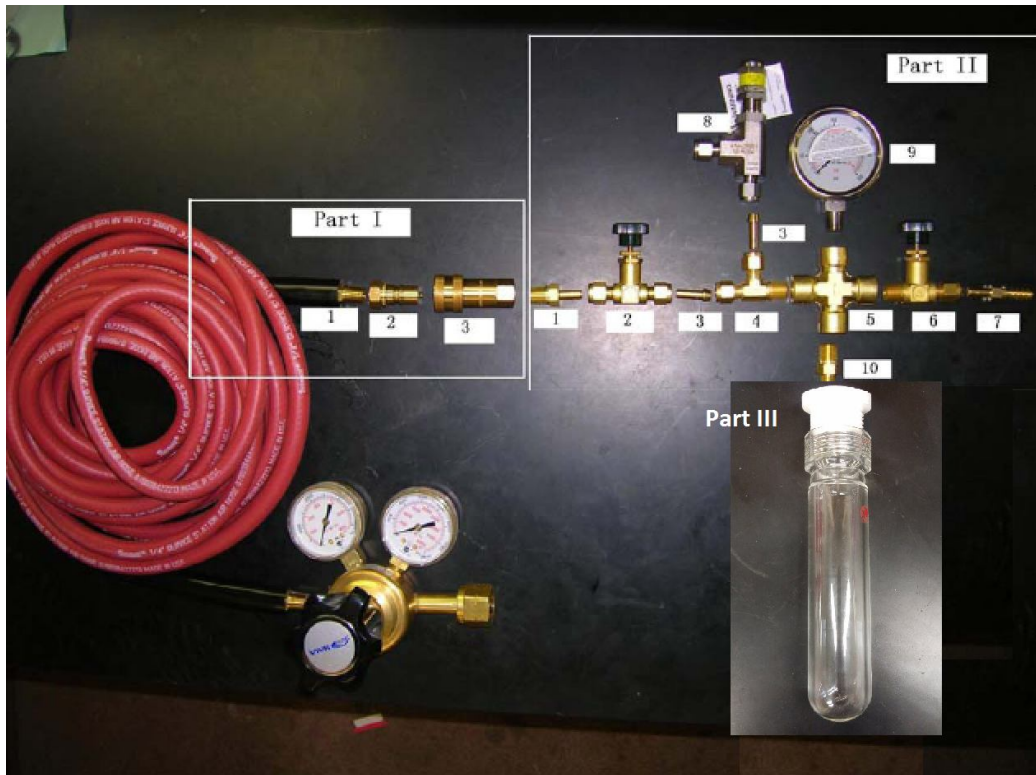


# Fisher-Porter-Bottle

.....Ordering Guide and Information

By – Hemant Joshi Oct. 31<sup>st</sup> 2016

A Fisher-Porter-Bottle (FPB) contains three major parts (shown in picture bellow). They are ordered from different companies.



## Order Details:

### Part I:

This part is ordered from Imperial Supplies LLC. The website for company is:

<http://www.imperialsupplies.com/>

The Order number of each item is as following:

1. 95930
2. 97473
3. 97472

**Part II:**

This part is ordered from North Houston Valve & Fitting Co. The website of this company is:

<https://www.swagelok.com/en>

The Order number of each item is as following:

1. B-4-TA-1-4
2. B-4JN
3. B-401-PC
4. B-400-3-4TMT
5. B-4-CS
6. B-4JNI
7. B-4-HC-A-401
8. SS-RL3S4
9. PGI-63C-PG300-LAO1
10. B-4-HRN-2

**Part III:**

This part is ordered from Ace Glass. The website of this company is:

<https://www.aceglass.com/>

The Order number of each item is as following:

1. 8648-113 (Pressure tube, 20.3 cm, #25 front-seal plug)
2. 8648-136 (Pressure tube, 10.2 cm, #25 front-seal plug)

The mesh protector is ordered from Andrews Glass. The website for the company is:

<https://andrews-glass.com/>

1. 1105510003 (mesh protector)

**Process of connecting all items:**

First, as the picture showing, connect SS-RL3S4, two B-401-PC, B-400-3-4TMT, B-4JN, B-4-TA-1-4.

**Tips:**

1. Pay great attention the way you connection B-4JN. You should consider the direction of gas's entering and outgoing according to the introduction on it.

2. When use B-401-PC, if you connect the other part with the bigger terminal, first throw away the two parts in the nut screw, then screw the nut by hand until you can't do it anymore. Then use tools to screw it for about one quarter circle; if you connect the other part with the smaller terminal, put it into the hole directly and screw the nut screw by hand until you can't. Then use tool to screw it for about five quarters. It doesn't matter which side you use to connect which part.

Second, test and adjust the safety valve (SS-RL3S4):

Connect the parts connected to the meter as shown in figure below:



Then, adjust the safety valve to the pressure which is a little lower than the highest pressure the bottle can stand.

Third, connect left parts according to the picture showed.