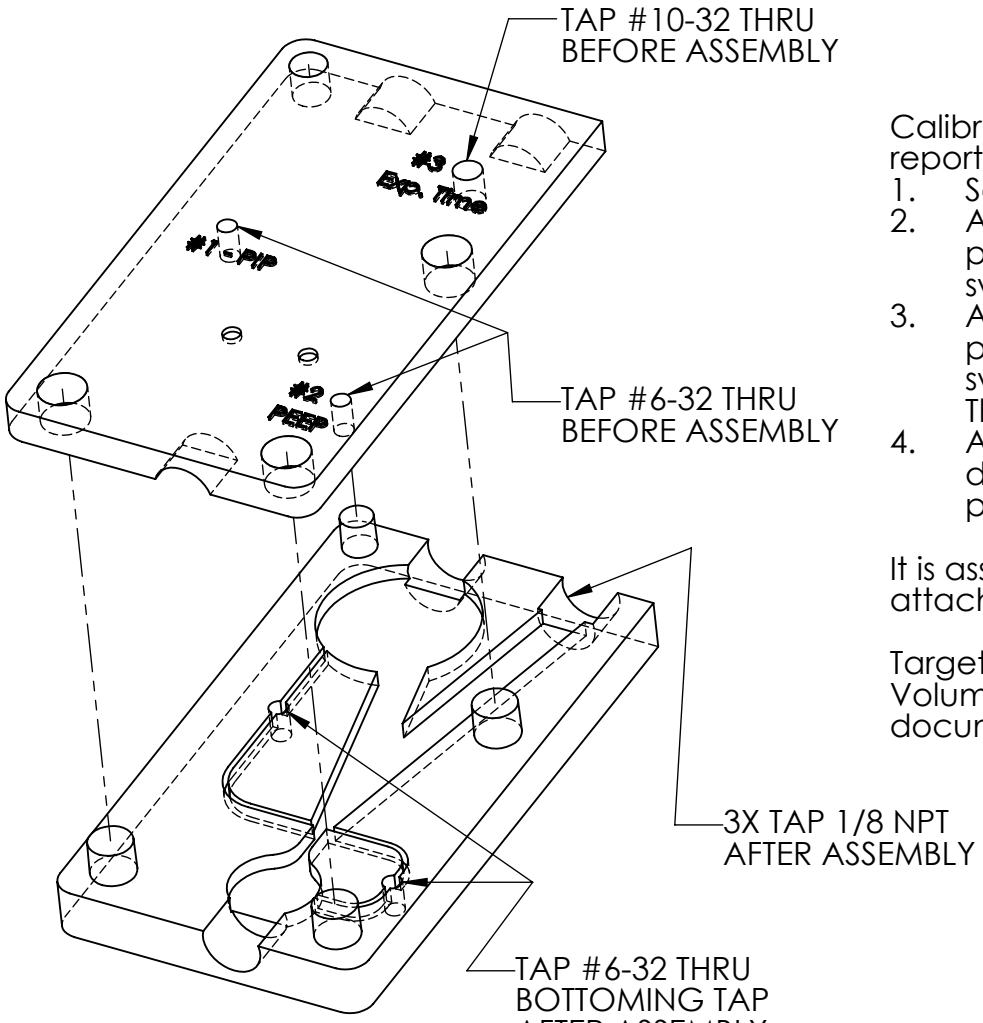
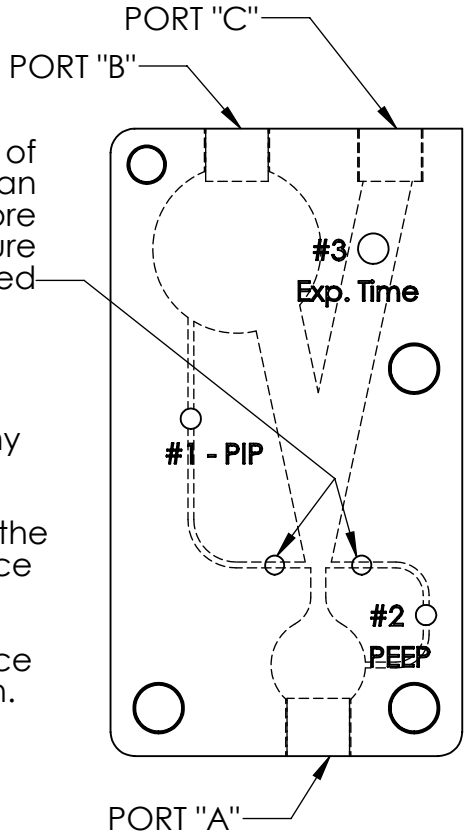
Part designed for 3D Printed Prototype Evaluation
Original Design and Testing Procedure Found in Army Report TM-68-30
Port A: FIO2 Supply
Port B: To Patient, Breathing valve is required
Port C: Exhaust, Fit with N95 Filter, can be any throttling valve for evaluation



Indents mark location of control channels. These can be drilled in lid before assembly to install pressure sensors. Not currently needed



Calibration Procedure (See Army report for background):

1. Set input pressure
2. Adjust Screw #1 to set PIP, the pressure at which the device switches to expiration
3. Adjust Screw #2 to set the pressure at which the device switches back to inhalation. This is the PEEP.
4. Adjust Screw #3 to set the duration of the expiration phase.

It is assumed that gauges can be attached to ports as required.

Target values for PEEP, PIP, Tidal Volume, Respiratory Rate are documented elsewhere

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Army Ventilator w/PEEP For 3D Print Prototype Rev 02

SIZE	DWG. NO.	REV
A	Army Vent PEEP 02, Assm	

SCALE: 1:1	WEIGHT: 0.101	SHEET 1 OF 1