Servo-I Ventilator

Servo-I

- Can be used on all sized patients
- Does not require a flow sensor
- Has some additional features that we can use, such as NAVA (coming in fall/winter)

Front of Machine

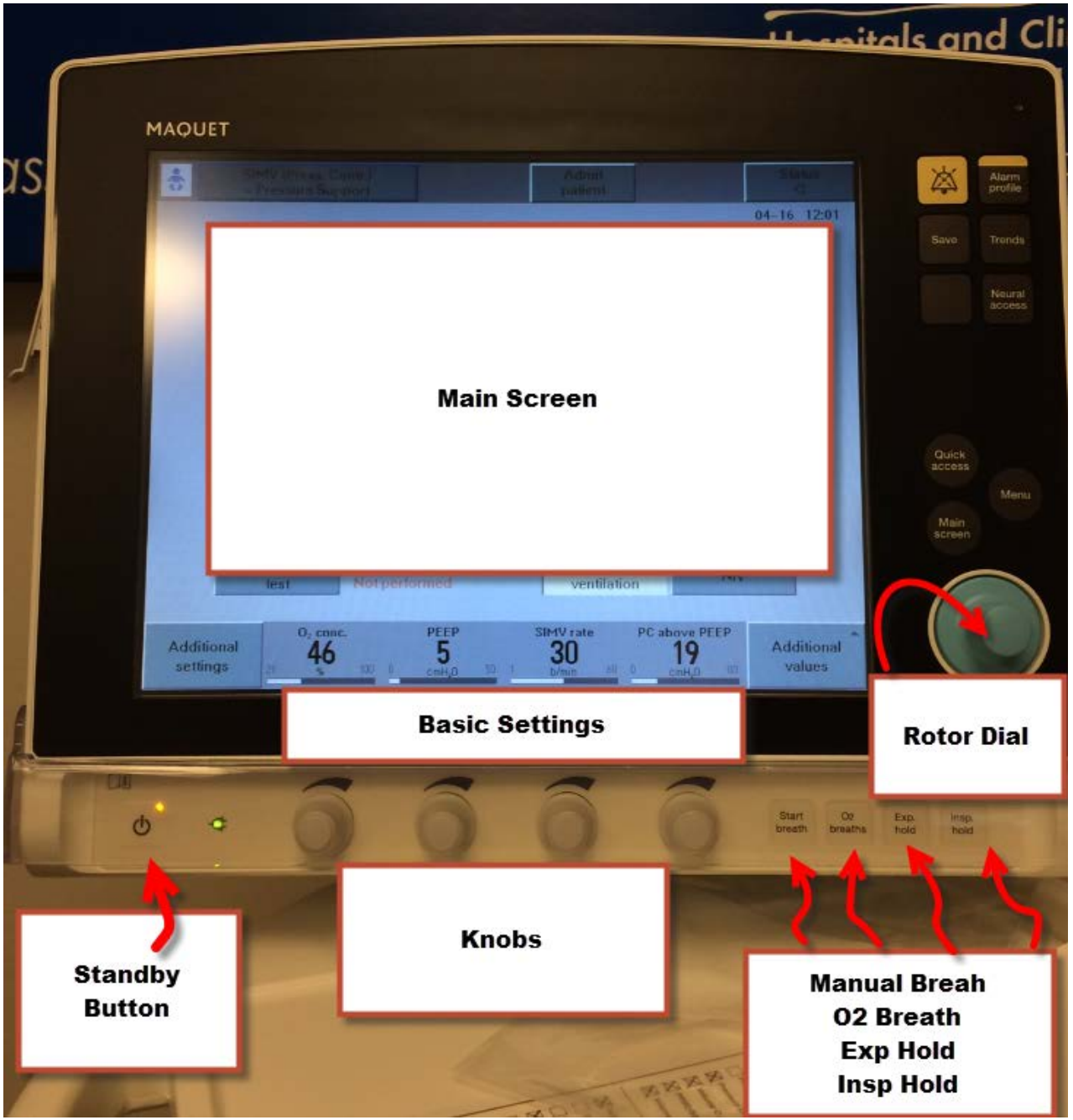
Main Screen
-Basic settings

Rotor Dial
-turn to adjust

Standby Button
-places ventilator in standby
-Resumes ventilation

Knobs
-instantly changes settings
-used to adjust FiO2

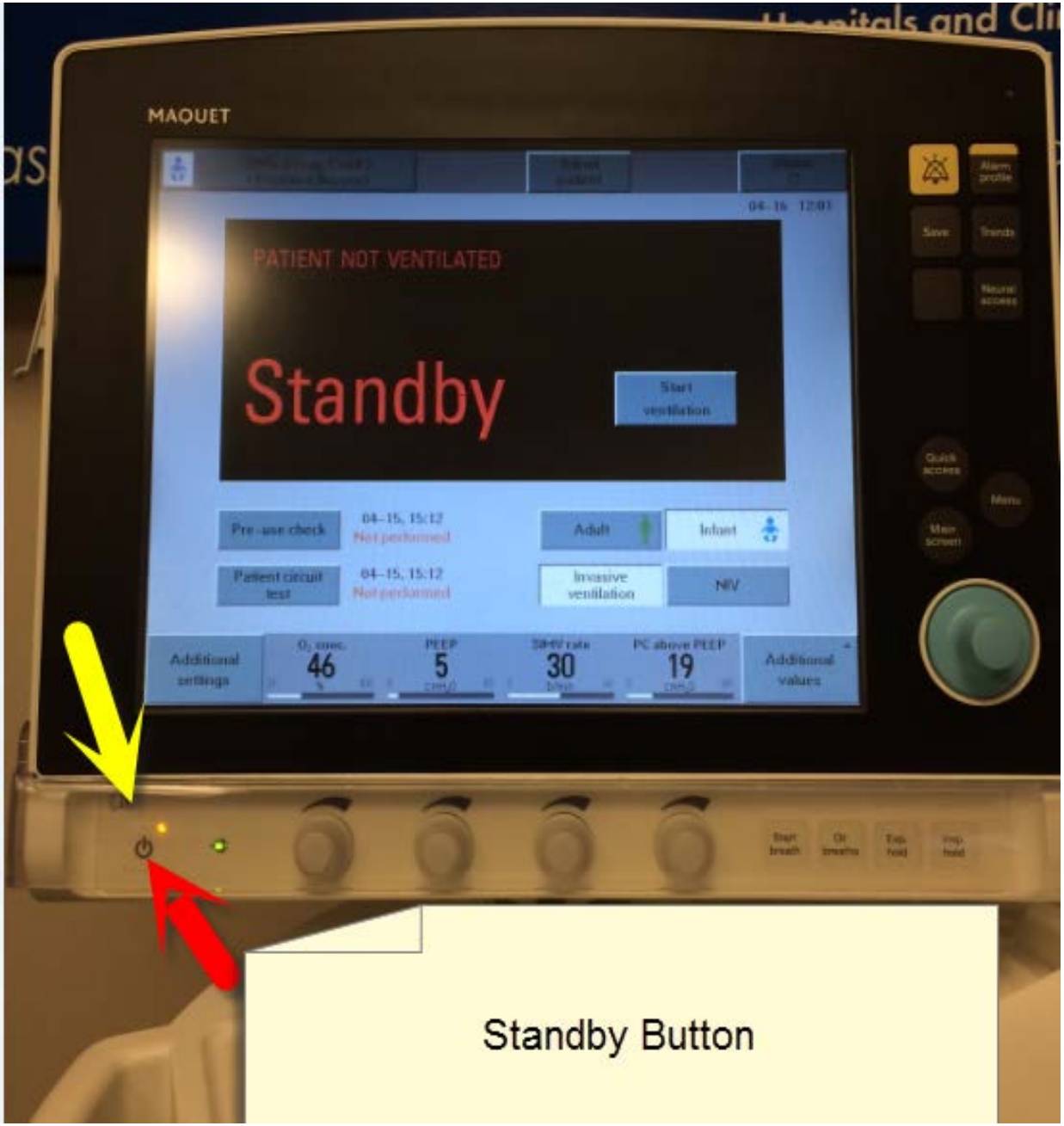
Buttons
-Manual breath
-O2 breath

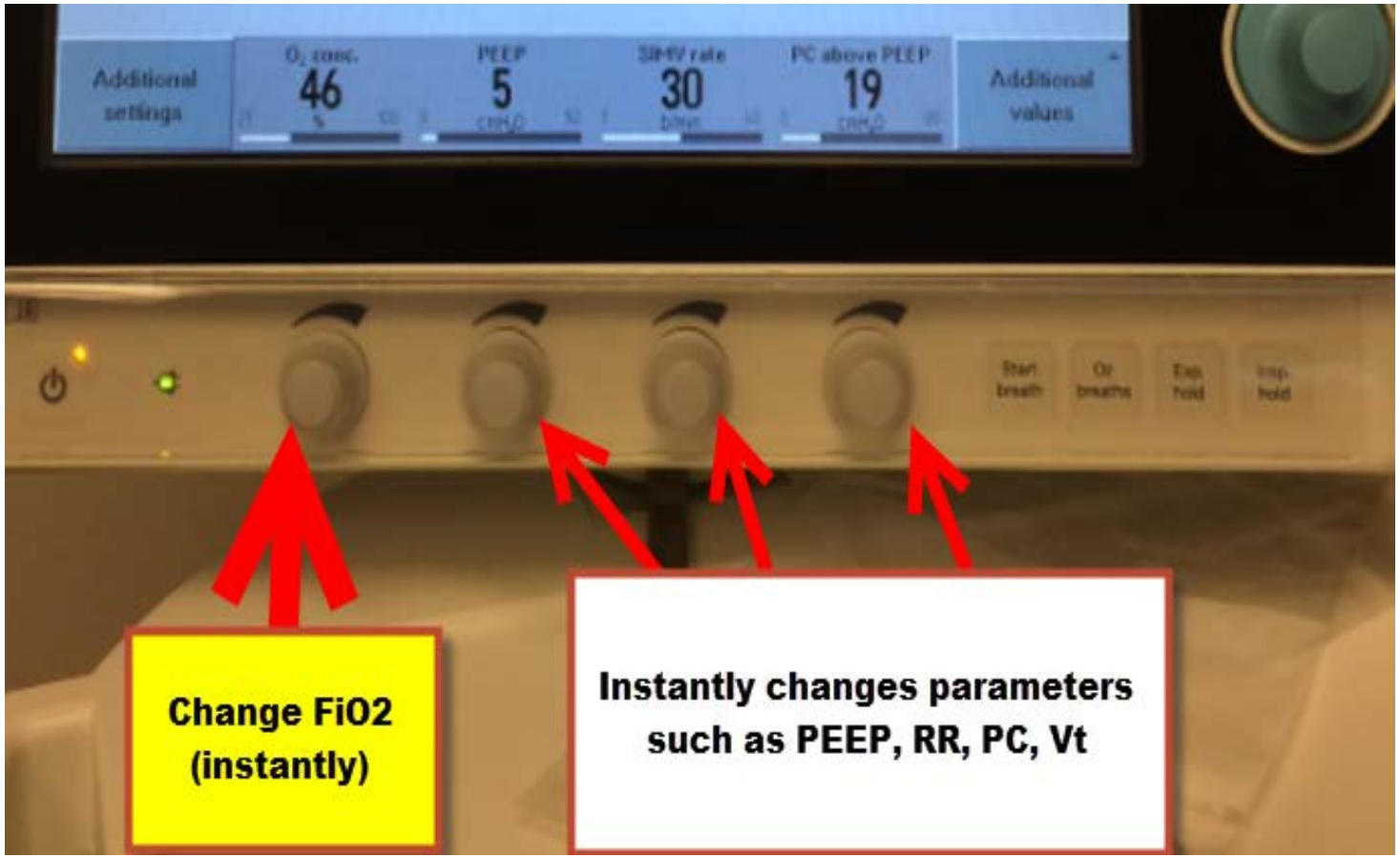


STANDBY Button

Places ventilator in Standby
-Black screen and Red writing

Also, will resume ventilation





4 Knobs, directly relate to the setting directly above it on screen - INSTANTLY changes settings

Farthest left is always FiO2 *When adjusting +/- 60%, it will automatically stop as a safety pause, continue turning knob to continue going above or below 60% O2

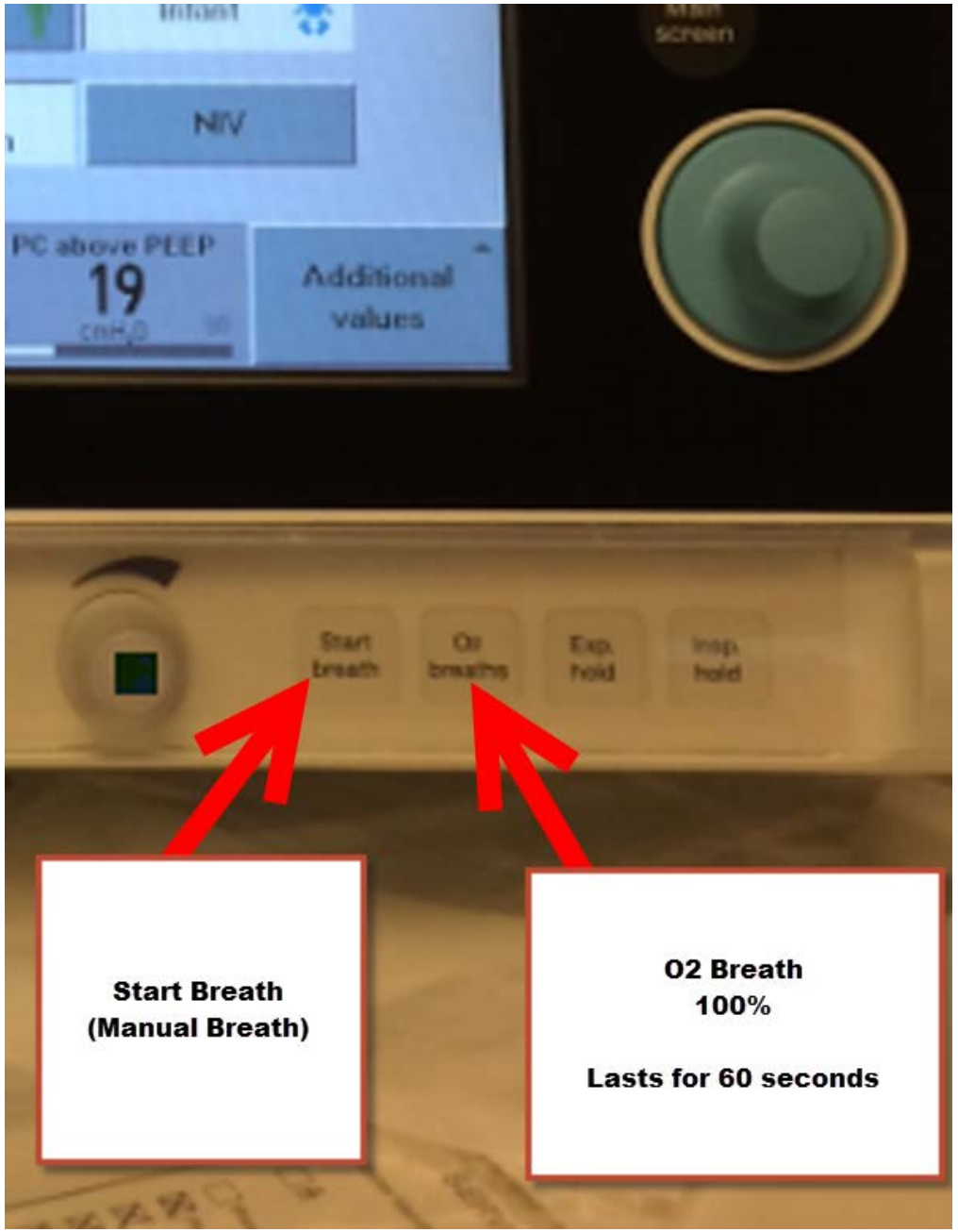
Start Breath

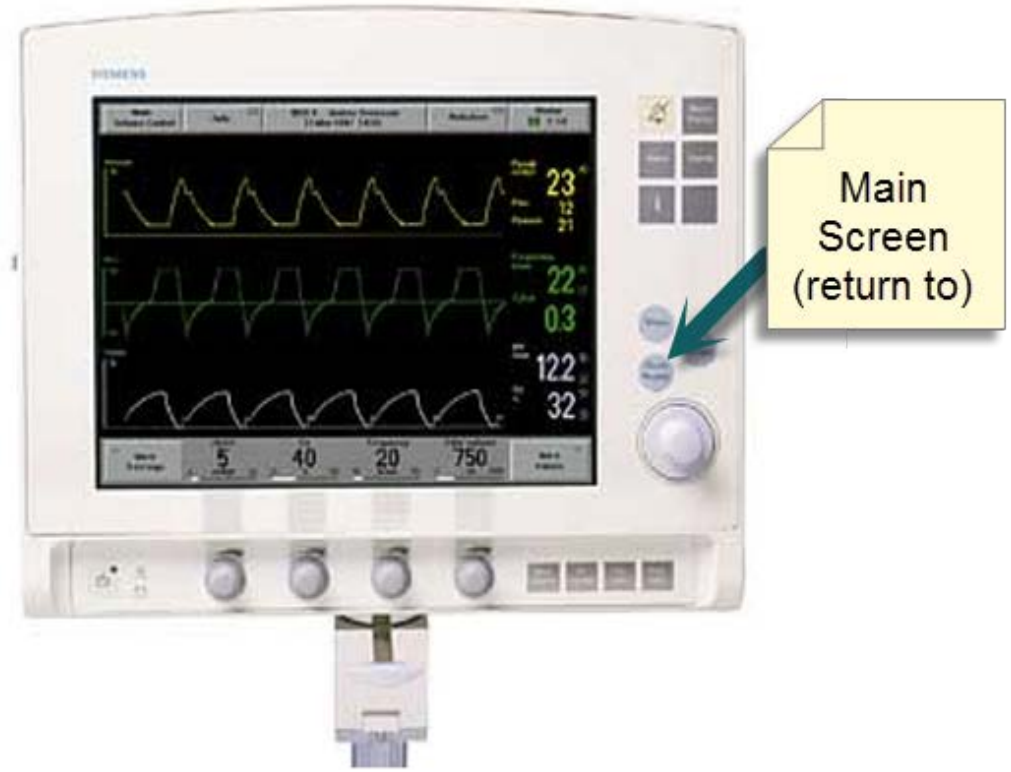
-“Manual Breath” it initiates an additional breath

O2 Breaths

-instantly changes fiO2 to 100%

-Does not allow you to set a 10-20% increase as the AVEA does via this button





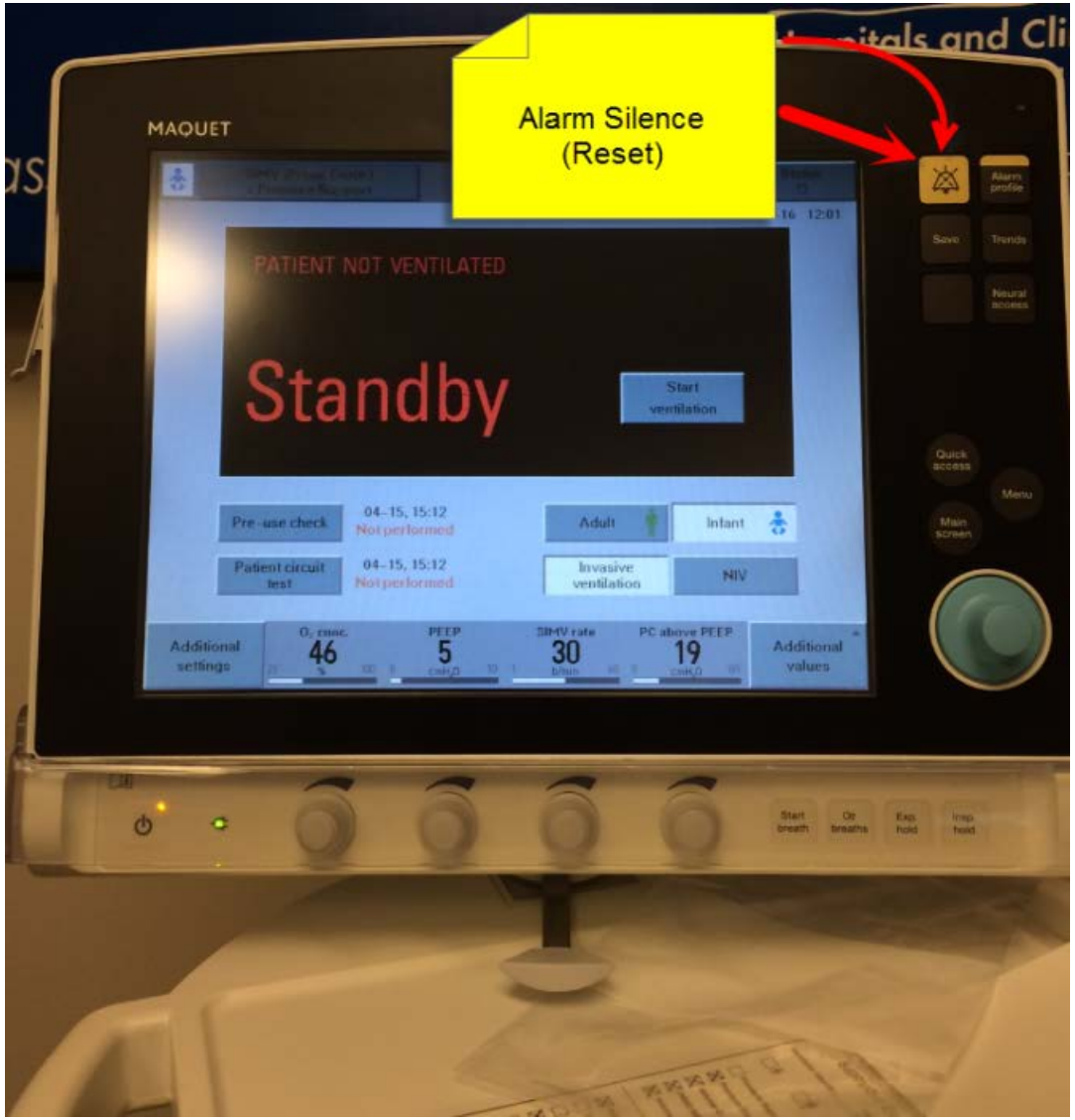
Main Screen Button

Will always bring you back to this “Main Screen” from whatever previous screen that was displayed

Alarm Silence/Reset

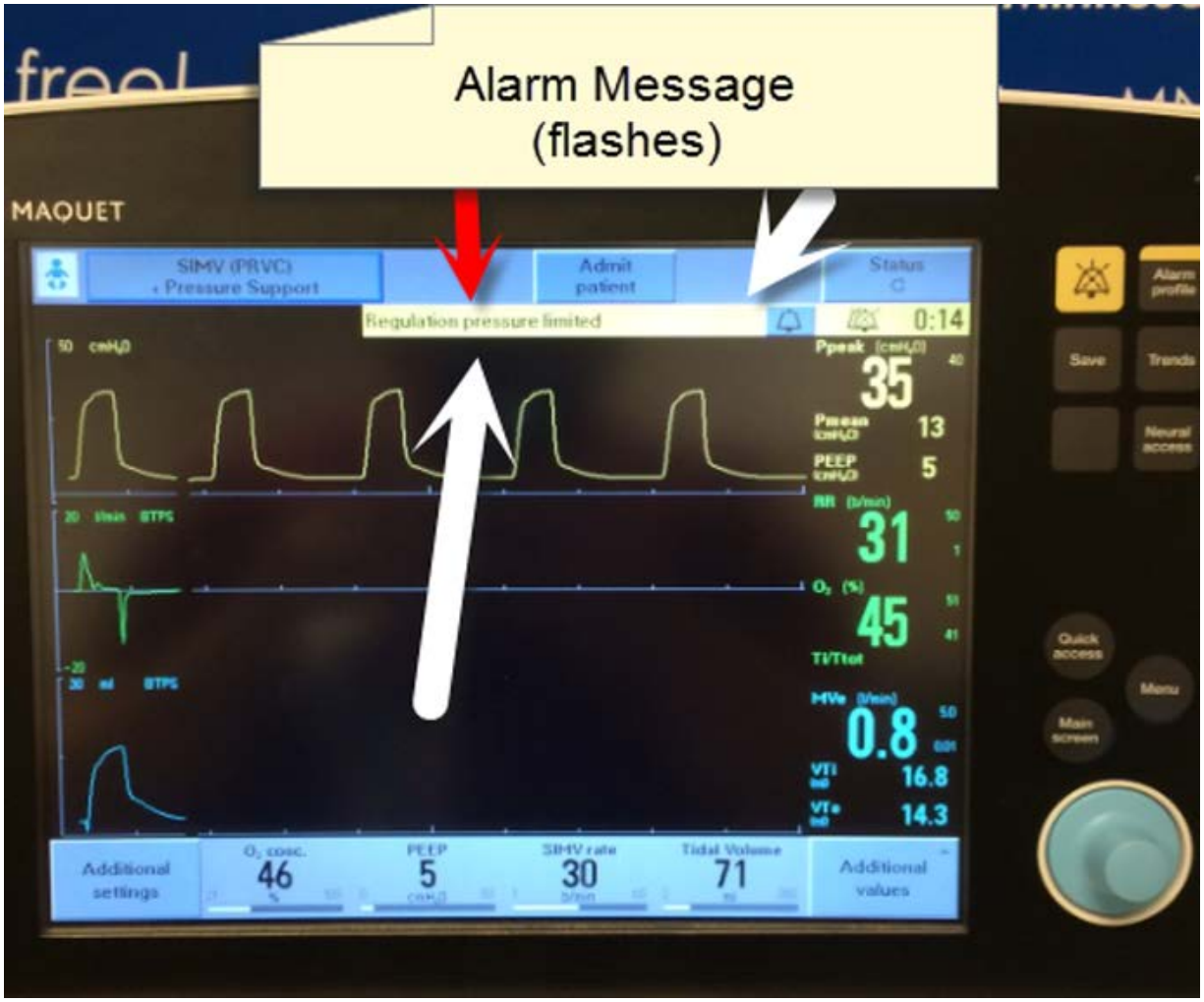
-Will silence any alarms

-Clears screen of old alarms



ALARMS

- Alarm silence is for 2 minutes, can not turn off alarm silence once activated
- While silenced, any “new” alarms will still alarm
- Silence ALL alarms by pressing and holding for 2 seconds the “Alarm Profile Key” which is next to the flashing alarm message
- Alarm silence button is also used to “clear” old alarm messages
- High Priority – RED ALARM
- Low/Medium Priority-YELLOW ALARM



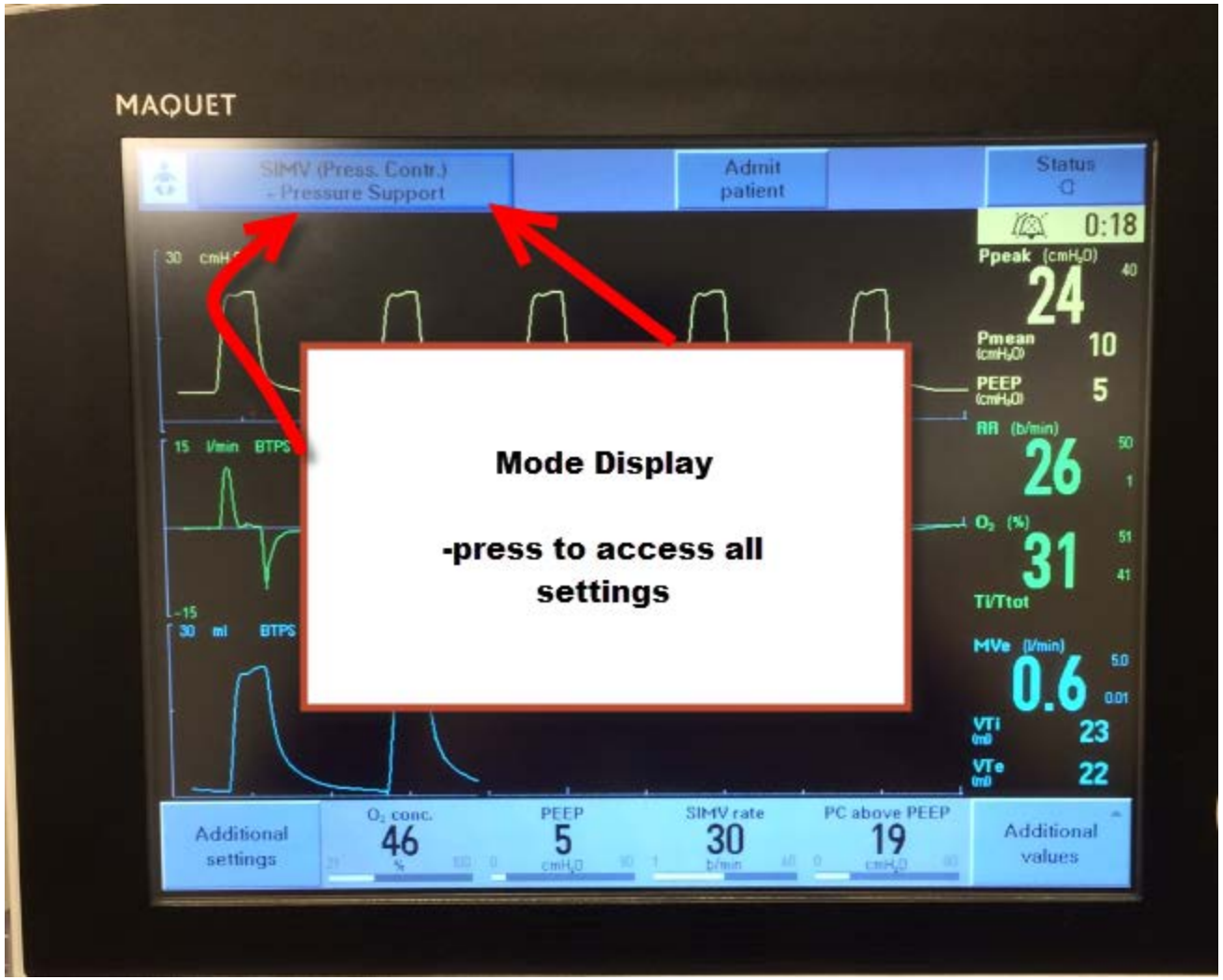
Top right corner of screen, alarm will flash, stating what the alarm is.

High Priority Alarms

- Apnea
- Check tubing- water in tubing, plugged tubing, excess leakage
- Paw High- patients Peak pressures are high

Medium/Low Priority Alarms

- CO2 sensor error
- Air supply pressure: high/low
- Respiratory Rate: high/low
- Leakage out of range- NIV circuit disconnect
- Leakage over range- pt spontaneously taking a breath faster than ventilator can give



Where do I find what Mode I am in??

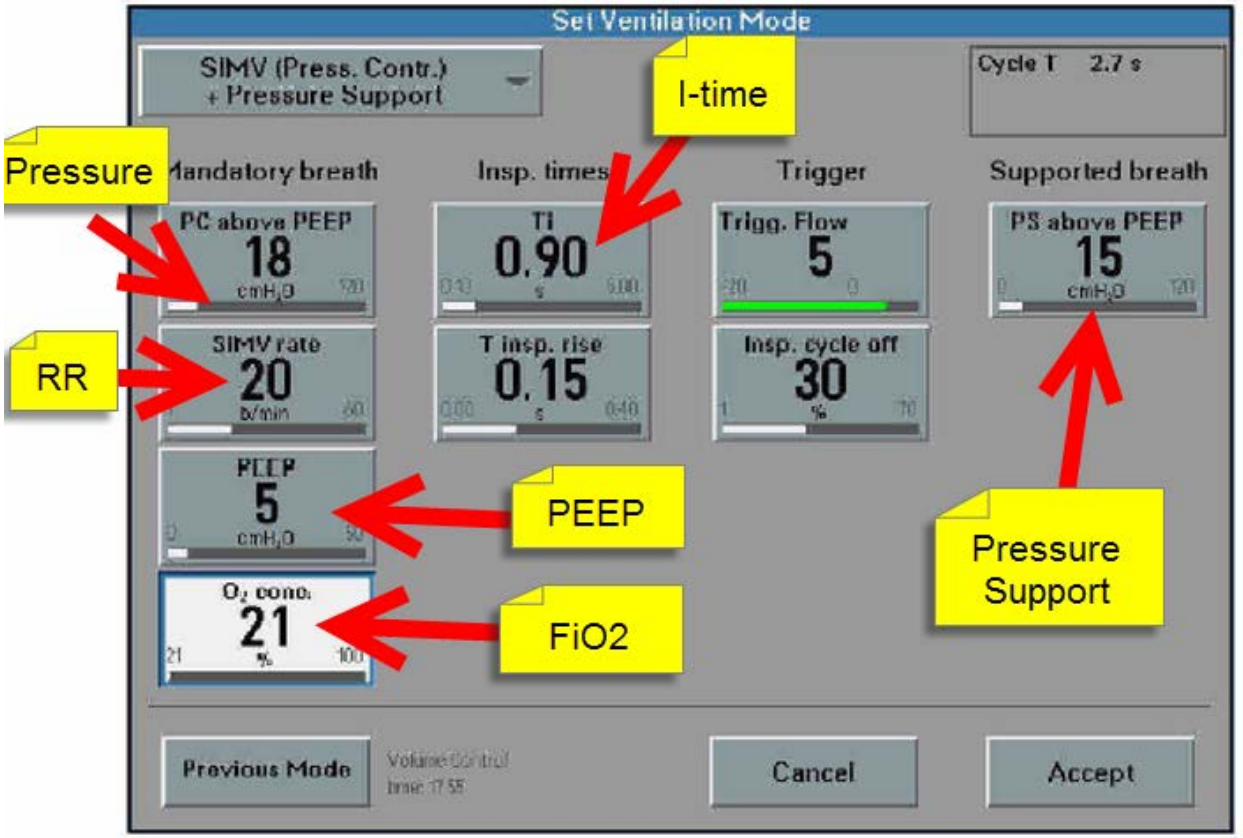
-Top left corner

-*Pressing the mode section, this will bring you to your “current settings screen

MODES

AVEA	SERVO-I
SIMV PRVC	SIMV PRVC
Pressure SIMV + volume guarantee	*SIMV PRVC** this is mode that will be used
SIMV Pressure Control	SIMV Pressure Control
Pressure Control A/C	Pressure Control
CPAP/PS	CPAP/PS
APRV	**Bi-Vent
Nasal CPAP/IMV	**Nasal CPAP (just cpap)
Nasal CPAP/IMV	**NIV PS (cpap plus PS)
Nasal CPAP/IMV	**NIV PC (CPAP plus rate pressure (as used in RAM cannula patients)

How To Read My Settings



What my ventilator settings are set at, this is what gets charted

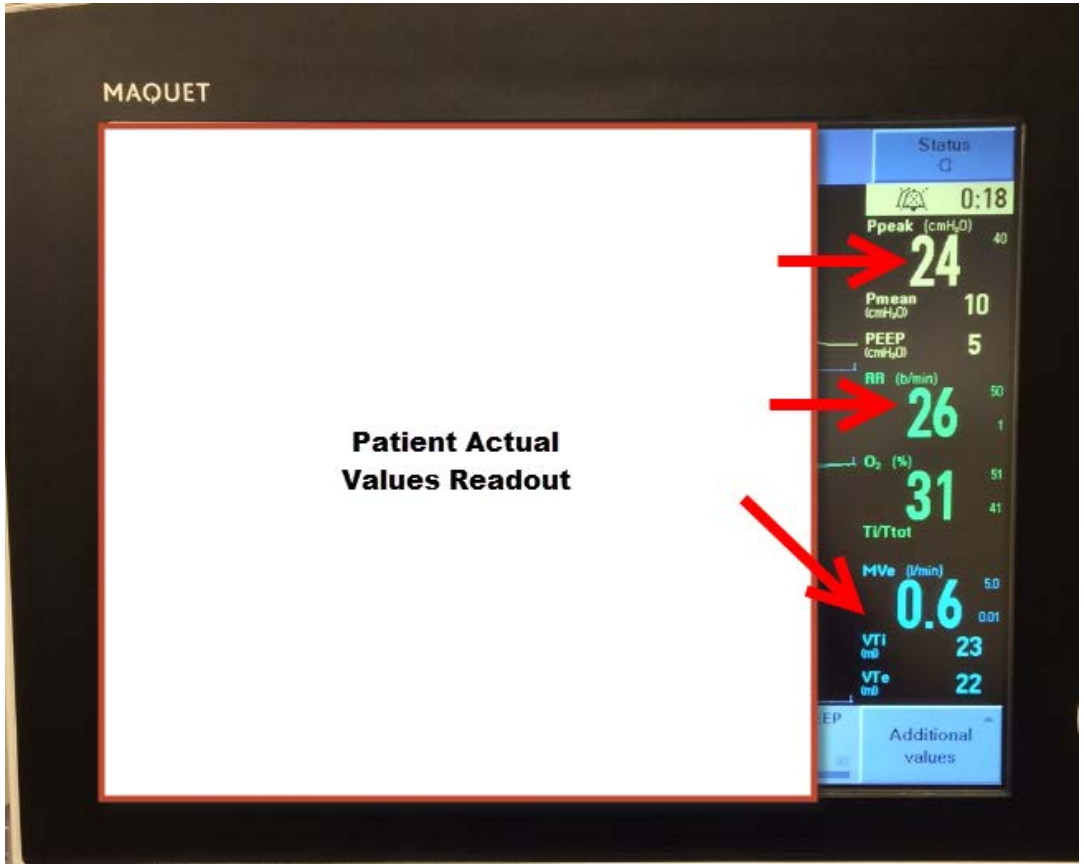
Lets go back to the Main Screen

What is My Patient Doing?

-All the values on the right side of the screen are values of what the patient is actually doing

-Patients actual pressures, total respiratory rate, minute ventilation, inspiratory and expiratory tidal volumes

-If you need to chart what the patient is actually doing vs. what is set, these are your parameters

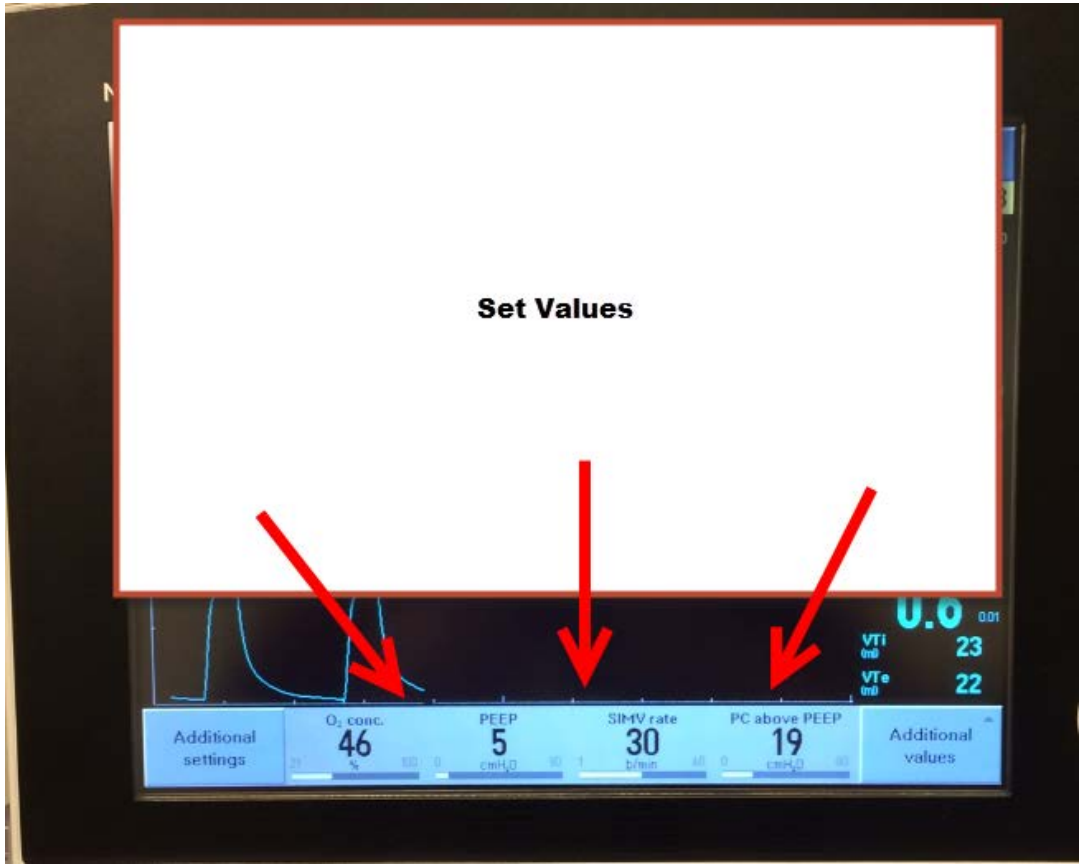


Bottom of the Main Screen

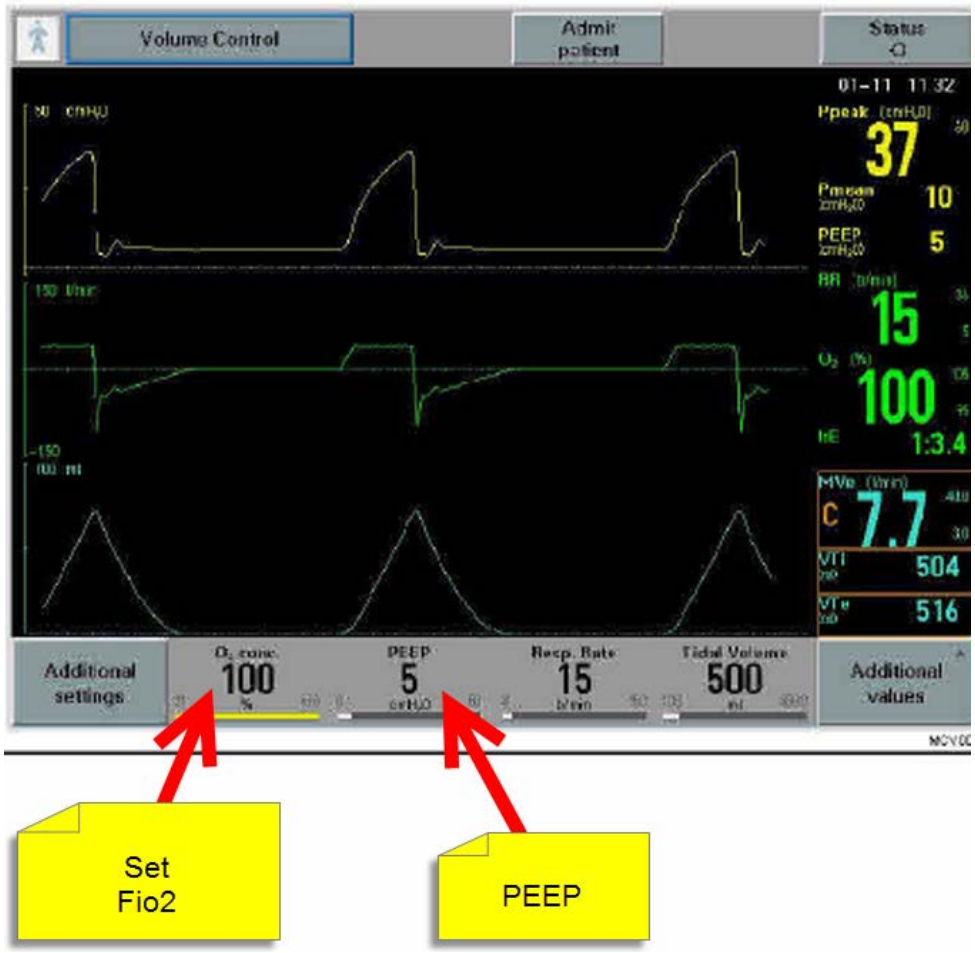
-Displays the 4 most common “want to know” settings.

-Always shows FiO2 and PEEP

-Depending on your mode, it will also show Set RR, Pressure settings, Tidal Volume, etc…

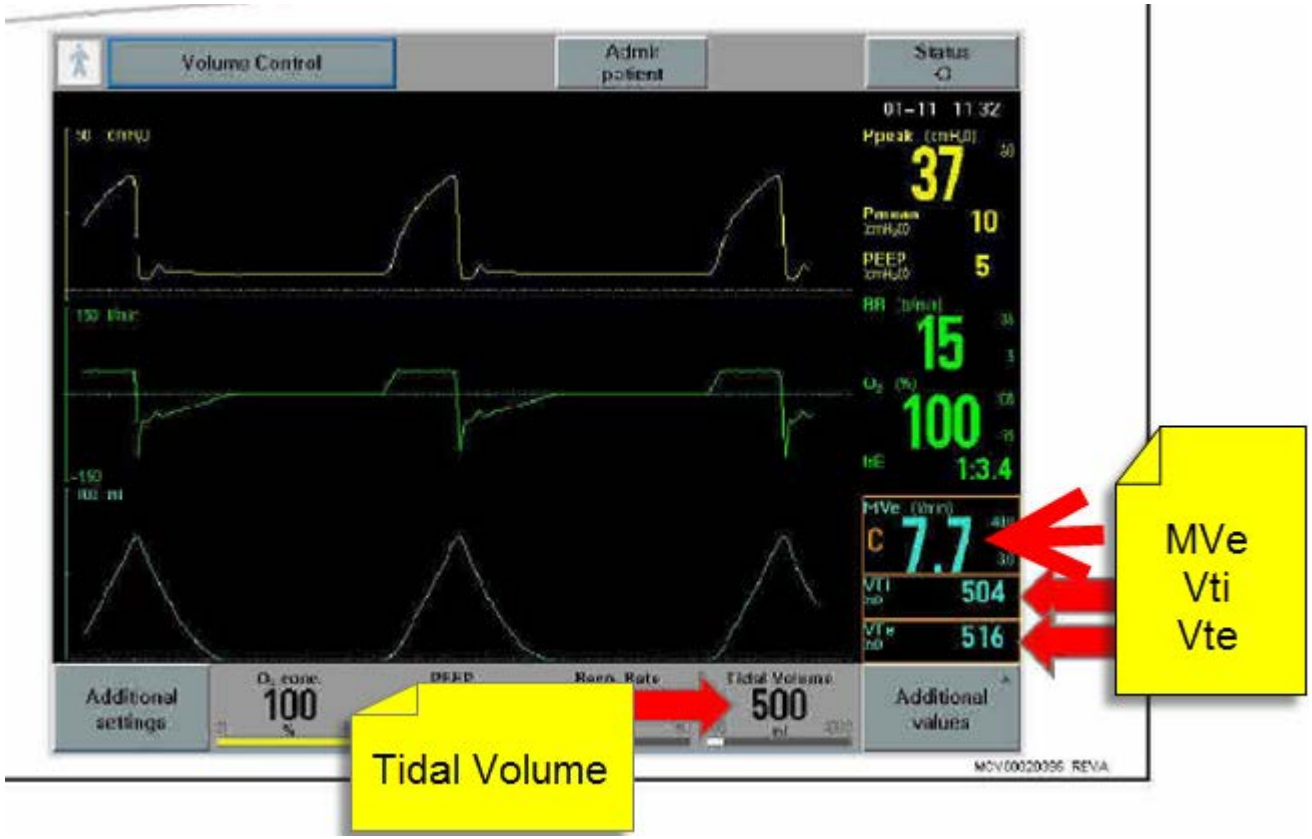


Where is my Fio2 again? PEEP?



Where do I find my Respiratory Rate?

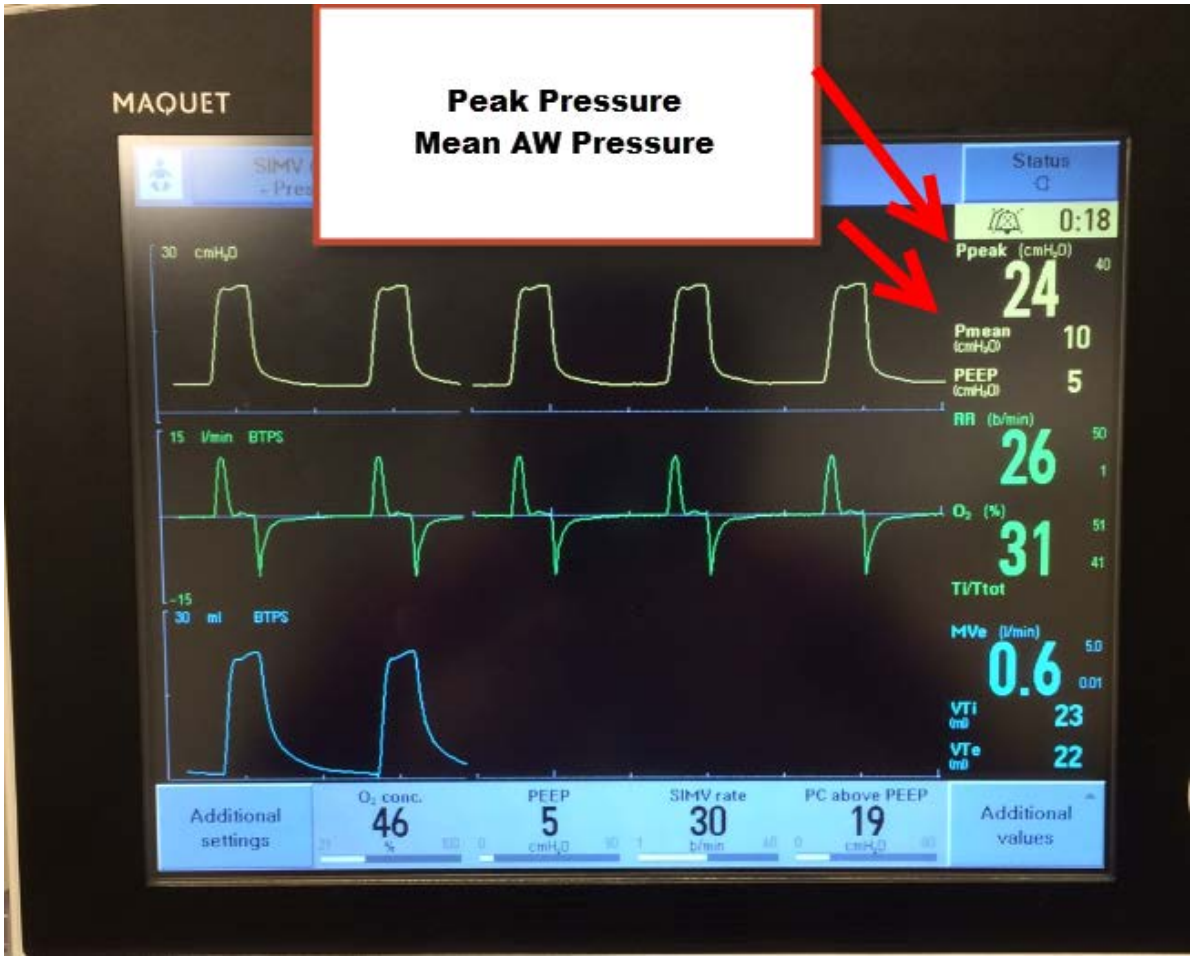
Tidal volume readout?



-Vti (inspiratory tidal volume) and Vte (expiratory tidal volume) can be utilized to assess for leakage

*-remember, Vti is of “current breath, while Vte is of the “previous breath”

Where do I see what my Peak Pressures are?



What if I want to see additional values?

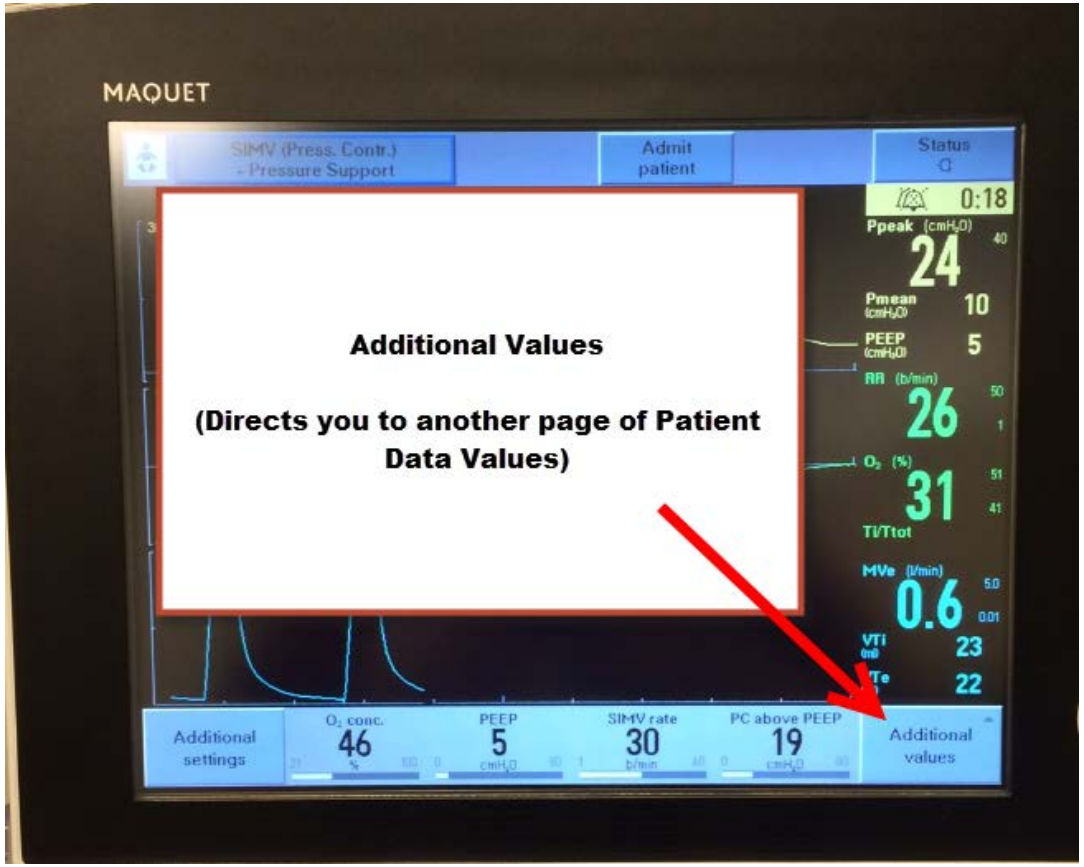
Press the “Additional Values” icon. There are 3 pages of information

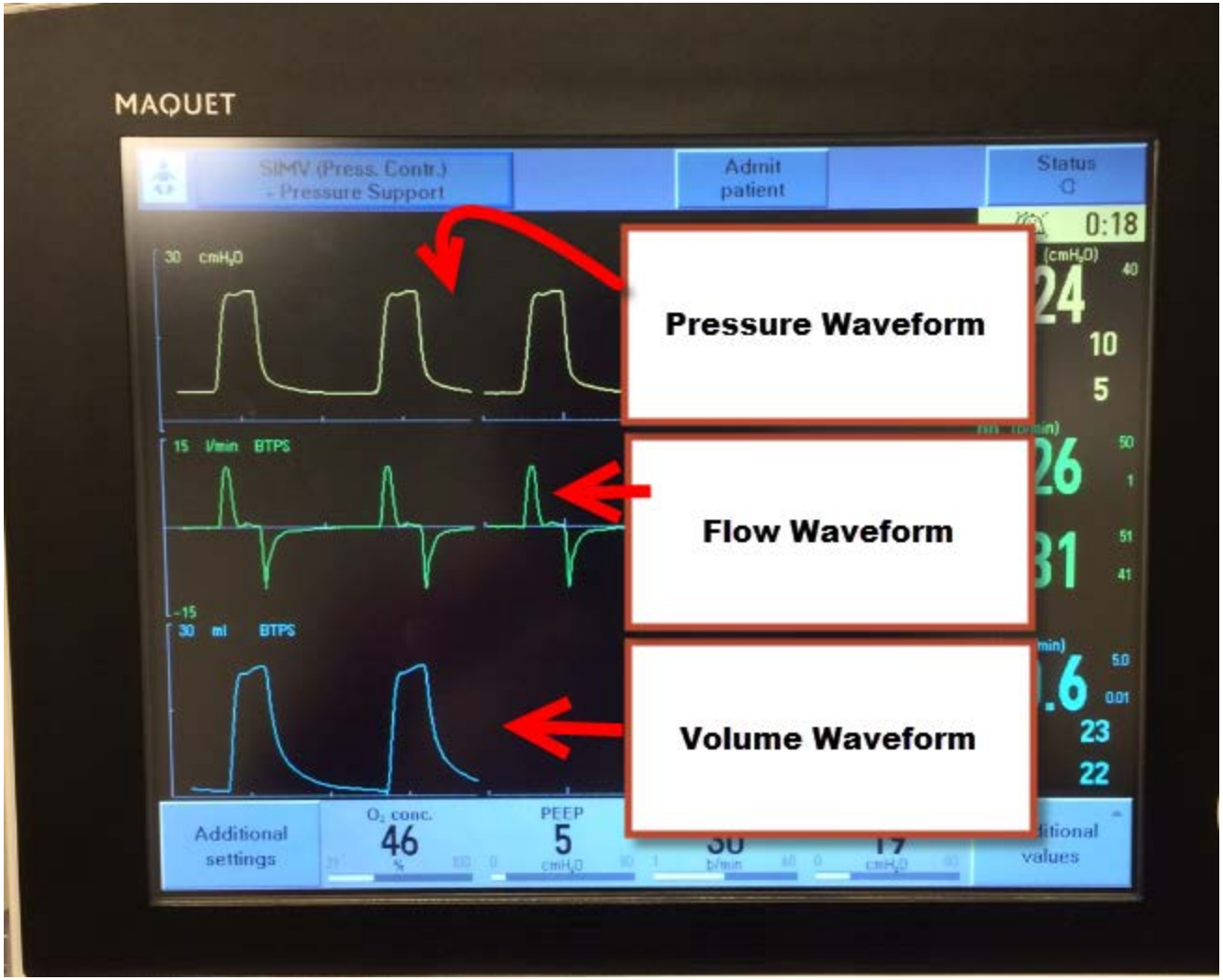
-lung compliance

-airway resistance

-end expiratory flow

-etc….





Are there waveforms?

Of course, the same traditional waveforms are present and visible.

You can even look at waveforms and loops on the same screen.

Simple?

- Right now, the Servo is being used the same way as the AVEA
- We just need to get used to the new nomenclature, buttons, sounds, etc….
- NAVA- coming soon……..(Fall/Winter)

Still need help?

- You will still always call your RT for any needs
- View servo-I learning video
- Attend an in-person servo-I training session (see your educator)