What to check during system operation

- Verifying suction operation via the suction monitor bellows
  The bellows located in the suction monitor will expand only when suction is operating. The monitor bellows will not expand when suction is not operating or disconnected. The ▲ mark allows quick and easy confirmation of vacuum operation over a wide range of continuously adjustable suction control settings.

- Changing suction pressures
  Suction regulator is preset to -20 cmH2O and can be adjusted from -10 cmH2O to -40 cmH2O. To change suction setting, adjust rotary suction regulator dial located on the side of the drain. Dial down to lower suction pressure and dial up to increase suction pressure. To lower regulator setting from a higher level (-40 cmH2O) to a lower level (-20 cmH2O), adjust regulator down to lower setting and then temporarily depress the manual high negativity vent located on top of the drain to reduce excess vacuum.

- Increase vacuum source when bellows is not expanded to ▲ mark
  If the bellows is observed to be expanded, but less than the ▲ mark, the vacuum source pressure must be increased to -80 mmHg or higher.

- Automatic high negativity release
  The Express incorporates an automatic high negativity relief valve. This filtered valve activates automatically to limit system pressure to less than the normal suction operation setting.

Set Up

- Step 1
  Connect patient tube to patient
  Connect chest drain to patient prior to initiating suction.

- Step 2
  Connect suction to chest drain
  Attach suction line to suction port on top of chest drain.

- Step 3
  Turn suction source on
  Increase suction source vacuum to -80 mmHg or higher. Suction regulator is preset to -20 cmH2O. Adjust as required.

- Step 4
  Fill air leak monitor (▲) to fill line
  Fill air leak monitor to the fill line by syringe (no needle) with 30 ml of sterile water or sterile saline via the needleless Luer port located on the back of the drain. For models available with sterile fluid, twist top off syringe and insert tip into needleless Luer port. Depress syringe plunger into Luer port and squeeze contents into air leak monitor until fluid reaches fill line.

Frequently asked questions

What should I do if the chest drain gets knocked over?
We recommend that the drain be placed back into the upright position, however it will continue operating if knocked over.

Is it required to fill the air leak monitor?
The air leak monitor should be filled for confirmation and detection of air leaks.

Have a question or need help in a hurry?
Call Maquet toll free at 1-800-528-7486.