**Fabius GS pre-use checkout procedure**

This checkout, or a reasonable equivalent should be conducted before administration of anesthesia. These recommendations are only valid for the Draeger Fabius GS anesthesia system that includes an inspired oxygen monitor, respiratory volume monitor (spirometer) and breathing system pressure monitor with high and low pressure alarms. Users should refer to the operator's manual for additional information.

**Electrical power**
1. Verify the machine is powered on and functional
   a. Conduct the system test (left hand softkey in standby)

**Emergency Ventilation Equipment**
2. Verify Backup Ventilation Equipment is Available & Functioning

**High Pressure System**
3. Confirm oxygen cylinder supply pressure
   b. Open O₂ cylinder and verify at least half full (about 1000psi)
   c. Close cylinder
4. Confirm Central Pipeline Supply pressures
   a. Check that hoses are connected and pipeline gauges read about 50psi

**Low Pressure Systems**
5. Check Initial Status of Low Pressure System
   a. Close flow control valves and turn vaporizers off
   b. Check fill level and tighten vaporizer filler caps
6. Test Fresh gas flow controls
   a. Adjust flow of all gases through their full range, checking for smooth operation of needles valves and displays
   b. Attempt to create a hypoxic O₂/N₂0 mixture and verify correct behavior of the Oxygen Ratio Controller

**Scavenging System**
7. Adjust and Check Scavenging System
   a. Ensure proper connection between the scavenging system and the breathing system
   b. Adjust waste gas vacuum (open reservoir system)

**Breathing System**
8. Calibrate expiratory flow sensor (2nd softkey from left in standby)
9. Calibrate O₂ Monitor (3rd softkey from left in standby)
   a. Ensure monitor reads 21% in room air
   b. Verify low FiO₂ alarm is enabled and functioning
   c. Reinstall sensor in circuit and flush breathing system with oxygen
   d. Verify that monitor now reads greater than 90%.
10. Check Initial Status of Breathing System
   a. Connect breathing circuit
   b. Verify that CO₂ absorbent is adequate
   c. Disconnect gas analyzer sample line and seal port

11. Perform Leak Check of the Breathing System (4th softkey from left in standby)

Ventilation Systems

12. Test Automatic Ventilation System and Unidirectional Valves
   a. Place a second breathing bag on Y-piece
   b. Set appropriate ventilator parameters for next patient
   c. Switch to automatic ventilation (Volume or Pressure Control) mode
   d. Flush system with oxygen
   e. Set O₂ flow to minimum, other gas flows to zero
   f. Verify correct function of the ventilator (manual bag should not collapse)
   g. Check for proper action of unidirectional valves

   a. Switch ventilator to Man / Spont. mode
   b. Ventilate manually and assure inflation and deflation of artificial lungs and appropriate
      feel of system resistance and compliance
   c. Remove second breathing bag from Y-piece.

Monitors

14. Check, Calibrate and/or Set Alarm Limits of all Monitors
   - Capnograph, Pulse Oximeter
   - Airway Pressure Monitor with high and low alarms

Final Position

15. Check Final Status of Machine
   a. Vaporizers off
   b. APL valve open
   c. Ventilator in Standby or Man/Spont.
   d. All fresh gas flow controls to zero
   e. Patient suction level adequate
   f. Breathing system ready to use