

# **Jorgensen Laboratories, Inc.**

Anesthesia machine maintenance

## **Daily:**

*Pressure test machine:*

- Attach circuit and re-breathing bag onto machine.
- Close pop off valve.
- Seal patient end of circuit with thumb.
- Use flush button to fill system to 40 cm-H<sub>2</sub>O/ on manometer.
- If pressure drops from 40 to 27 cm-H<sub>2</sub>O in less than 10 seconds, then there is a leak that needs correcting.

*Check for leaks: (mix a soapy mixture in a spray bottle)*

- Check inspiration and expiration valves.
- Check around soda lime canister.
- Check fresh gas hose leading to canister.
- Check pop off valve.
- Check vaporizer connections.
- Check breathing bag for holes.

*Clean Machine:*

- After use, remove bag and wash with a MILD detergent.
- Remove circuit and wash with MILD detergent. Hang to dry.

*Weekly:*

- Replace CO<sub>2</sub> absorbent. This should be done after 8-12 hours of use. **DO NOT RELY ON COLOR CHANGE.**
- Change activated charcoal canisters after 6-8 hours of use.

*Yearly:*

- Vaporizer cleaning and calibration.

## WHICH BREATHING BAG TO USE

Max Weight of Patient	Size of Bag
15 pounds	1/2 Liter
20 pounds	1 Liter
30 pounds	1 Liter
60 pounds	2 Liter
90 pounds	3 Liter
120 pounds	3 Liter
150 pounds	4 Liter
180 pounds	5 Liter
200 pounds	5 Liter

## WHICH CIRCUIT TO USE

Patient Weight	Circuit
< 15 pounds	Non rebreathing circuit
> 15 pounds	Rebreathing circuit

## SUGGESTED ENDOTRACHEAL TUBE SIZING

POUNDS (CATS)	MM ID
2	3.0
4	3.5
7	4.0
11	4.5

## (DOGS)

4	5.0
7	5.5
9	6.0
12	6.5
15 to 20	7.0
17 to 20	7.5
20 to 26	8.0
28	8.5
31	9.0
33	9.5
31 to 40	10.0
35 to 44	11.0
66	12.0
88	14.0 - 16.0

Different breeds can be a factor on sizing