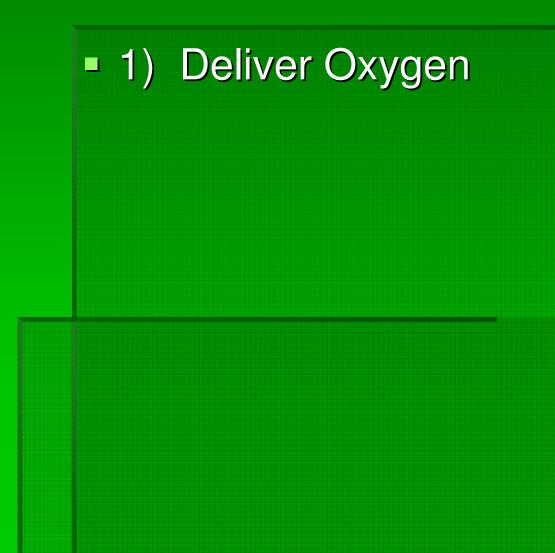
### 2007 AAHA MEETING

What's Wrong with This Anesthetic Machine Harry Latshaw, MS, RVT, VTS (Anesthesia)





# **Functions of the Anesthetic Machine**

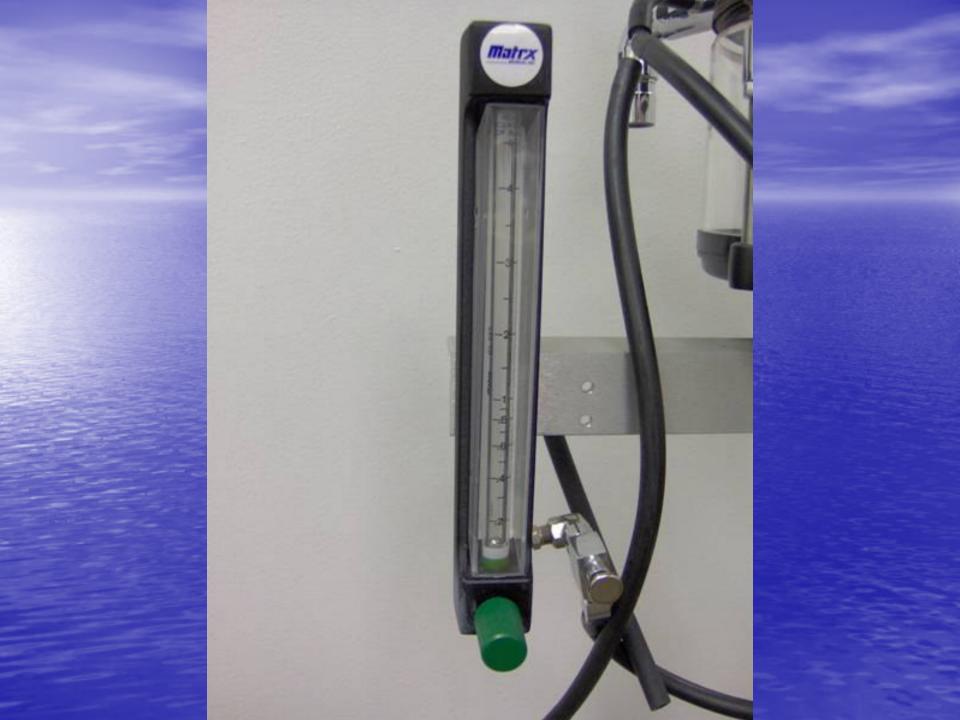






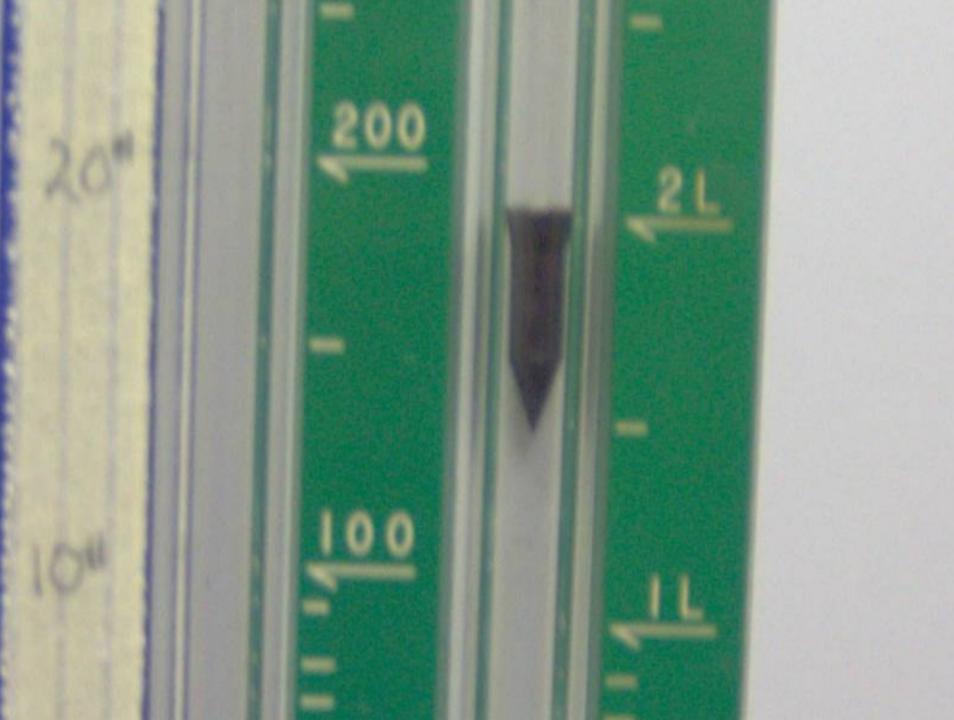










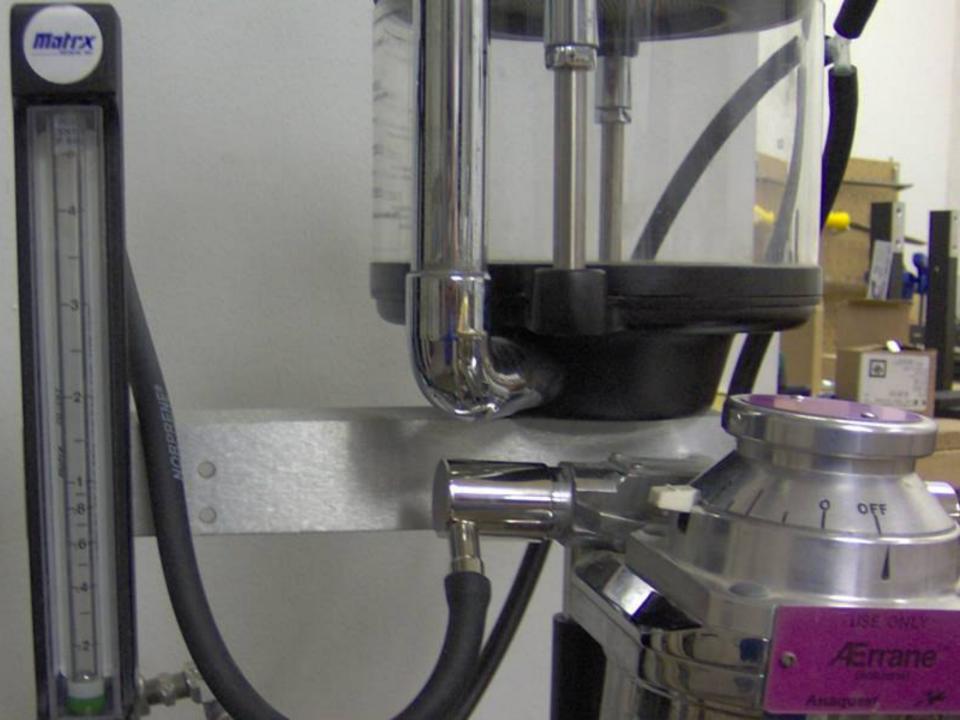


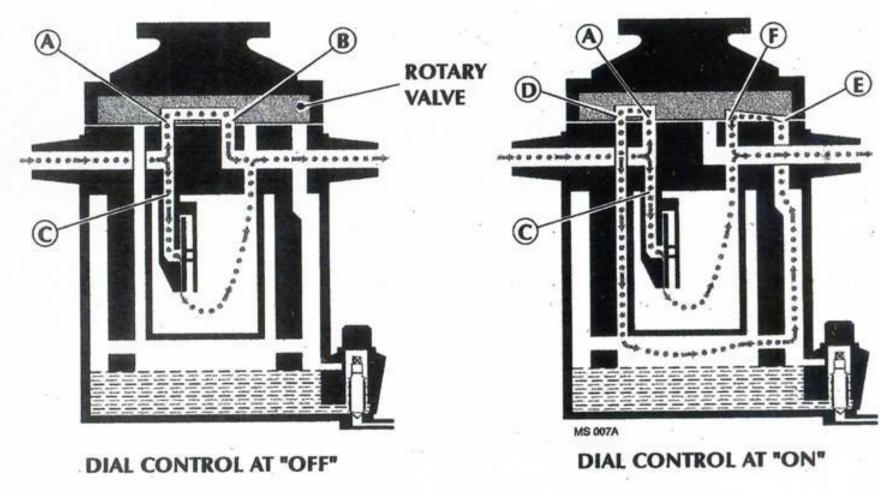


## **Functions of the Anesthetic Machine**

1) Deliver Oxygen

2) Deliver Anesthetic







# Volume Per Cent

Flow Rate

Vap Setting

Iso Vapor/min

1 l/m

2%

0.02 l or 20 ml

2 l/m

2%

0.04 l or 40 ml

1 l/m

4%

0.04 l or 40 ml

#### Isoflurane Consumption Chart Estimated CC's Per Hour

	Vapori zer Setting	Oxygen Flow (liters/min)						
		1.0	2.0	2.5	3.0	4.0	5.0	
	1.0	3.00	6.00	7.50	9.00	12.00	15.00	
	1.5	4.50	9.00	11.25	13.50	18.00	22.50	
	2.0	6.00	12.00	15.00	18.00	24.00	30.00	
	2.5	7.50	15.00	18.75	22.50	30.00	37.50	
N N N N	3.0	9.00	18.00	22.50	27.00	36.00	45.00	

#### Sevoflurane Consumption Chart Estimated CC's Per Hour

Vapori	Oxygen Flow (liters/min)							
zer Setting	2.0	3.0	3.5	4.0	5.0	7.0		
1.0	6.66	9.99	11.66	13.32	16.65	23.31		
1.5	9.99	14.99	17.48	19.98	24.98	34.97		
2.0	13.32	19.98	23.31	26.64	33.30	46.62		
2.5	16.65	24.98	29.14	33.30	41.63	58.28		
3.0	19.98	29.97	34.97	39.96	49.95	69.93		

Depth of anesthesia is determined by <u>assessing</u> the patient, not the vaporizer <u>setting</u>

















# **Functions of the Anesthetic Machine**

- 1) Deliver Oxygen
- 2) Deliver Anesthetic

3) Remove Carbon Dioxide











Because the flow of fresh gas into the system is greater than what the patient removes, there must be a way for the excess gas to be removed

## Functions of the Anesthetic Machine

1) Deliver Oxygen

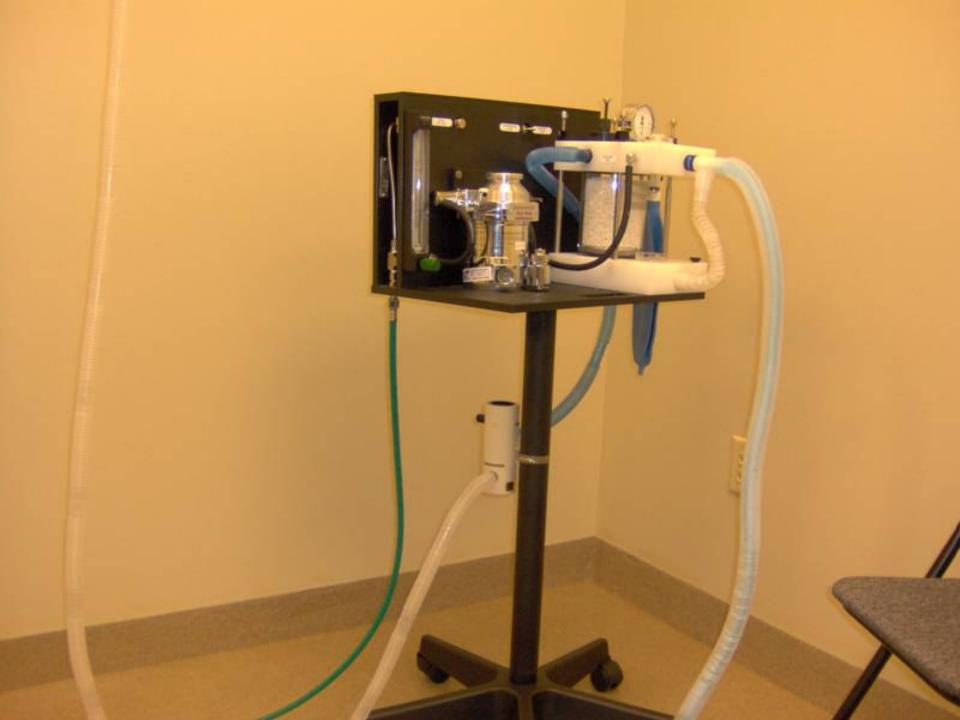
2) Deliver Anesthetic

3) Remove Carbon Dioxide

4) Remove Waste Anesthetic Gas (WAG)

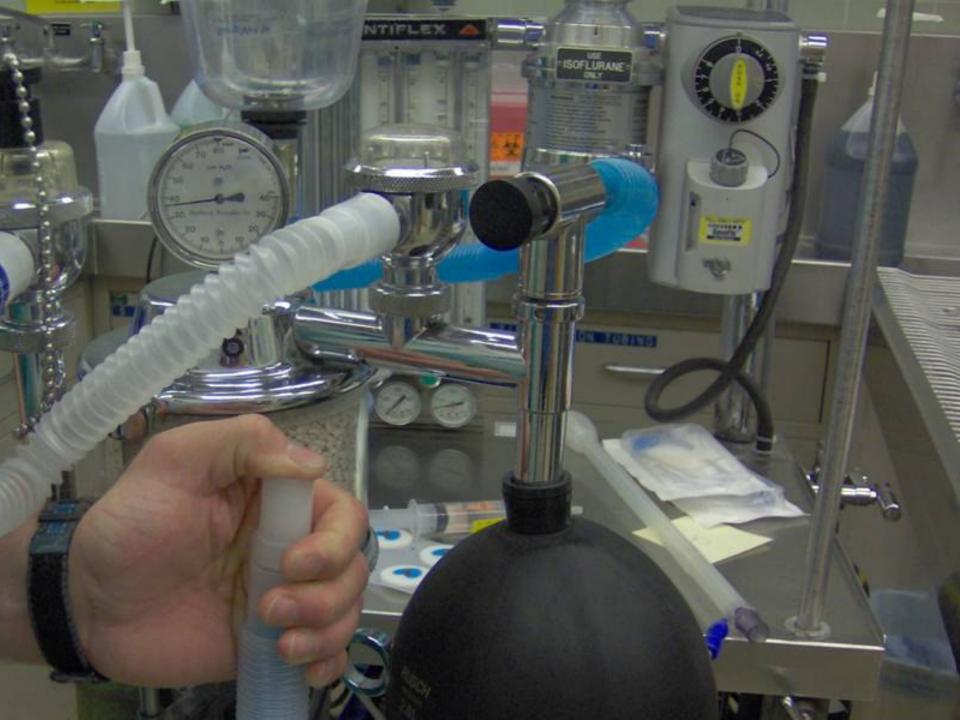














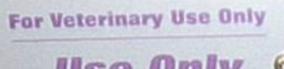














the data is not been a set of the set of the

Hanakar Specification

DE TRETE COLORES







There is nothing wrong with this anesthetic machine!