BG4 Written Test Governor's Cup Mine Rescue 6/6/2019

- 1. The battery in the Sentinel should be replaced every ______.
 - a. 6 months
 - b. 60 days
 - c. Time used
- 2. To prepare for testing adjust ______ of the RZ Tester.
 - a. The reading
 - b. The dial
 - c. Zero point
- 3. During the positive pressure leak test, the ______ within 1 minute must be lower than 1 mbar.
 - a. Barometric pressure
 - b. Pressure change
 - c. Absolute pressure
- 4. A ______ in the breathing circuit prevents ambient air from entering the system.

 - a. Check valve
 - b. Large spring
 - c. Positive pressure
- 5. The bG-4 constant _____ must be 1.5 to 1.9 L/min.
 - a. Flow
 - b. Dosage
 - c. Metering
- 6. The drain valve ______ open at less than 10 mbar.
 - a. Should not
 - b. Should always
 - c. May not
- 7. During the constant dosage test, the breathing bag is inflated, the RZ-25 tester is set to red dosage, and the pressure relief valve is _____.
 - a. Open
 - b. Capped
 - c. Removed
- 8. The cylinder connector and cylinder valve must not be ______ with oil or grease.
 - a. Lubricated
 - b. Contaminated
 - c. Treated

- 9. The first low pressure warning occurs when the pressure drops to ______
 - _____ psi.
 - a. Exactly 680
 - b. Nearly 500
 - c. Approximately 700

10. ______ in the BG-4 is between 58 and 64 psi.

- a. Medium pressure
- b. Positive flow
- c. High pressure
- 11. All parts which come in contact with the _____ must be thoroughly cleaned and disinfected after use.
 - a. Body fluids
 - b. Exhaled air
 - c. Contaminated water
- 12. All parts that have been ______ should be rinsed thoroughly under running water.
 - a. Disinfected
 - b. Washed
 - c. Cleaned
- 13. U.S. D.O.T. hydro test ______ every 5 years.
 - a. Breathing bags
 - b. Fiberglass cylinders
 - c. Composite cylinders
- 14. The inhalation/exhalation valve should be replaced every _____ for units which are in constant use.
 - a. 3 years
 - b. 5 years
 - c. 2 years

15. A steel oxygen cylinder must be retested by a certified testing facility every _____.

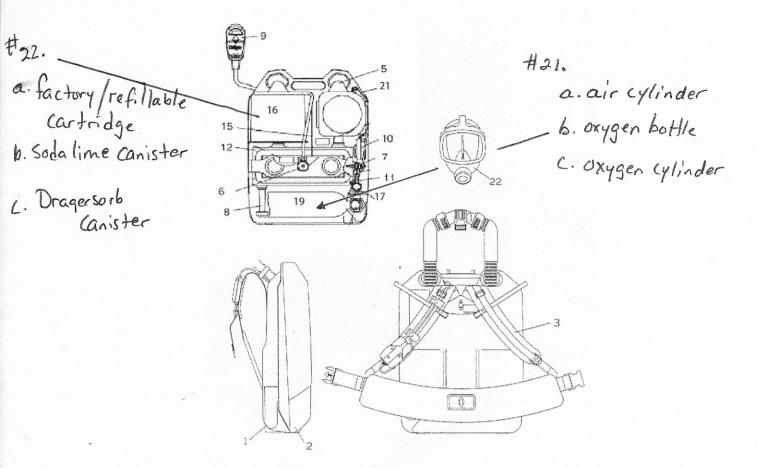
- a. 2 years
- b. 3 years
- c. 5 years
- 16. A defective ______ should be returned to the manufacturer or their agent for service as needed.
 - a. Breathing bag
 - b. Pressure reducer
 - c. Oxygen group
- 17. The battery must be replaced if ______ 2 Icon is indicated.
 - a. Voltage alarm
 - b. Pressure indicator
 - c. Battery warning

- 18. _____ is >50 L/min.
 - a. Flow pressure
 - b. Bypass output
 - c. Medium pressure

19. _____ cartridge concerns are over packing and under packing.

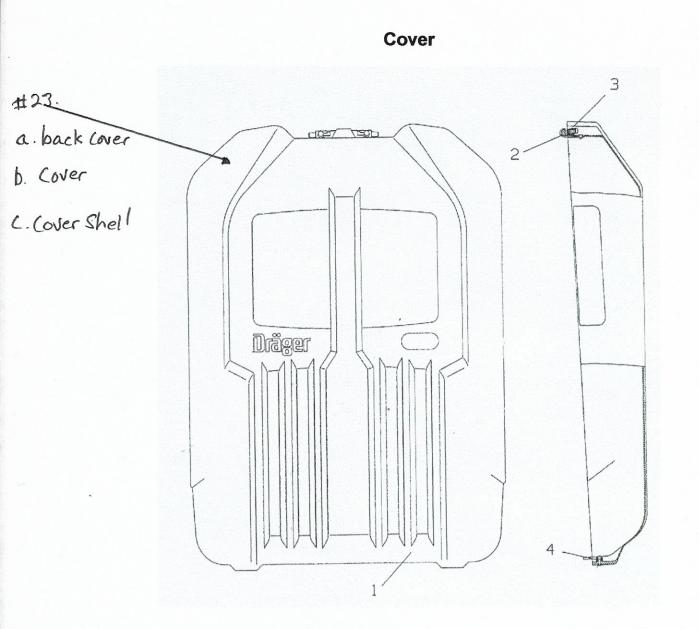
- a. Refillable
- b. Disposable
- c. Dragersorb
- 20. If the ______ is deformed or shows signs of damage, it must be replaced.
 - a. Lens frame
 - b. Speech diaphragm
 - c. Nose cup

BG-4



1 Cons. N	2 No. Designation	1 Cons. N	2 Io. Designation
1	Carrying Housing	12	Breathing Bag
2	Cover Shell, complete	15	Lever, Complete
3	Shoulder Pad Assembly	16	Hactory Treatestic character
5	Cooler	17	Pressure Reducer BG4
6	Relief valve, Complete	19	States and the
7	Minimum Valve	21	Distribution Hose
8	Drain Valve	22	Panorama Nova Mask
9	Sentinel		FPS-7000 Mask
10	Switch Box		
11	Pressure Sensor		,

PG.4

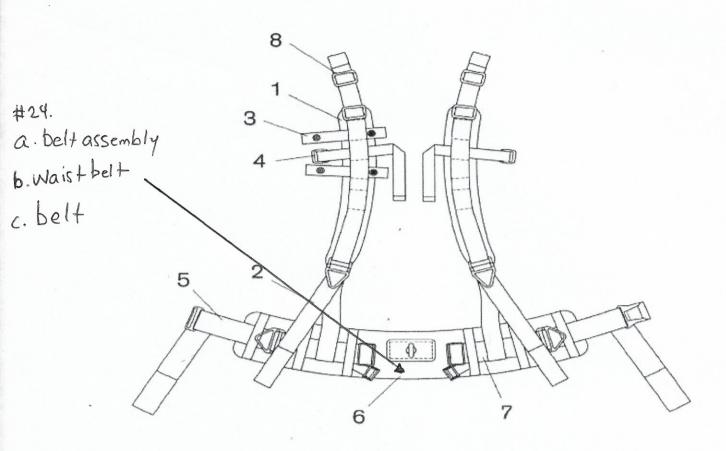


1 2		1 2	
Cons. No. Designation		Cons. No. Designation	
1 2 Hinge		34	Grip Cap Button

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PG.5

Harness Assembly

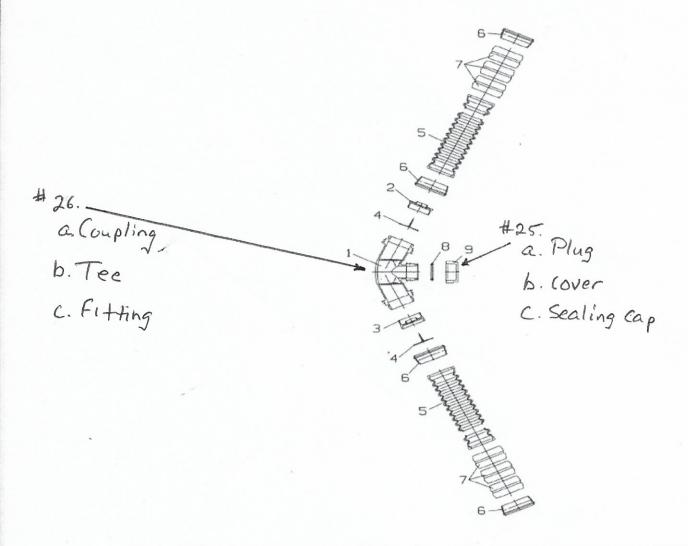


1 Cons. N	2 Jo. Designation	1 Cons. No	2 o. Designation
1	Shoulder Pad Assembly	5	Adjusting Belt Assembly
2	Shoulder Adjusting Strap	6	
3	Hose Clip	7	Belt Assembly
4	Hose Strap Harness	8	Buckle

PG.6

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Breathing Hose Assembly

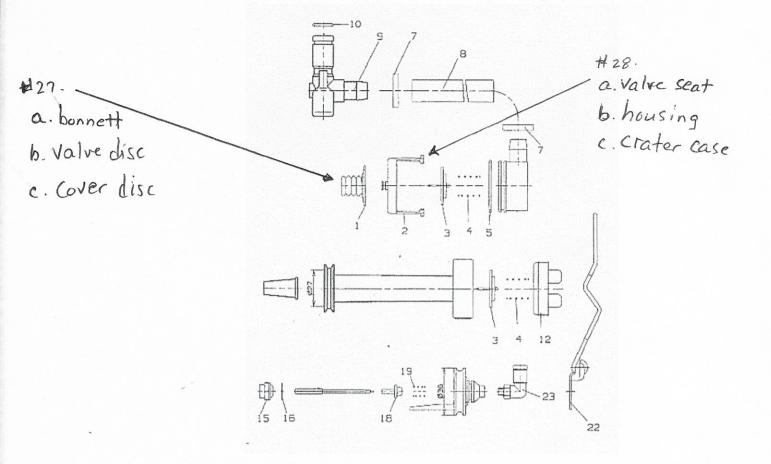


1	2	1 2	
Cons. N	Io. Designation	Cons. No. Designation	
1 2 3 4 5	Inhalation Valve Seat Exhalation Valve Seat Valve Disc Corrugated Hose	 6 Bayonet Ring 7 Anti-Crush rings 8 Toroidal Sealing Ring 9 	ng

25

P6.7

Drain/Relief/Minimum Valve Assembly



1 Cons. N	2 o. Designation	1 Cons. N	2 o. Designation
1 2		12 15	Cap Valve Crater
3	Valve Disc	16	Washer
4	Relief / Drain Valve Spring	18	Valve Plate
5	O-Ring	19	Spring
7	Clamp Fitting	22	Clamp, Minimum Valve
8	Hose	23	Angle Connecter
9	Coupling		0
10	O-Ring		•

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PG8

Sentinel #29. a. Switch box Driger П 8 6. monitron c. housing Dräger E 13 Dräger #30 @ power Source b. battery 9 m -C. gvolt battery -E 8 0

1 Cons. N	2 Io. Designation	1 Cons. No	2 o. Designation
1	Sentinel	8	Copper Ring
2		9	
3	Angle Connector	13	Tally Key
7	Pressure Sensor		

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PG 9