2023 Kansas Shoot-out Mine Rescue Competition
Hutchinson, Kansas
Written Test – Bio 240R

Name: _____ Draw No.: _____

1. We must always handle Oxygen cylinders with care to prevent:
   A. Damage.
   B. Injury and/or Death.
   C. Cylinders from becoming projectiles.

2. Do not open oxygen cylinder valve in the presence of open flame, spark, or:
   A. Methane.
   B. High radiant heat.
   C. Cylinders from becoming projectiles.

3. Wearing and the use of an SCBA adds to the:
   A. Breathing stresses to the user.
   B. Physical exertion levels of the user.
   C. Workload and stress of the user.

4. The BioPak 240 R is suitable for respiratory protection, entry, and escape from:
   A. Various oxygen levels and high temperature levels.
   B. Oxygen deficient atmospheres with temperatures as low as -5 degrees F.
   C. Oxygen deficient atmospheres with temperatures as low as -15 degrees F.

5. What method is used to determine the correct pressure level when filling cylinders:
   A. Allow the cylinders to cool after filling.
   B. Read the Output/Source Booster Pump Gauge.
   C. Touch the cylinders to see if the Cylinders are only warm.

6. A foreign gas in the cylinder may cause:
   A. Cylinder contusions.
   B. Cylinder corrosion.
   C. Cylinder explosion.

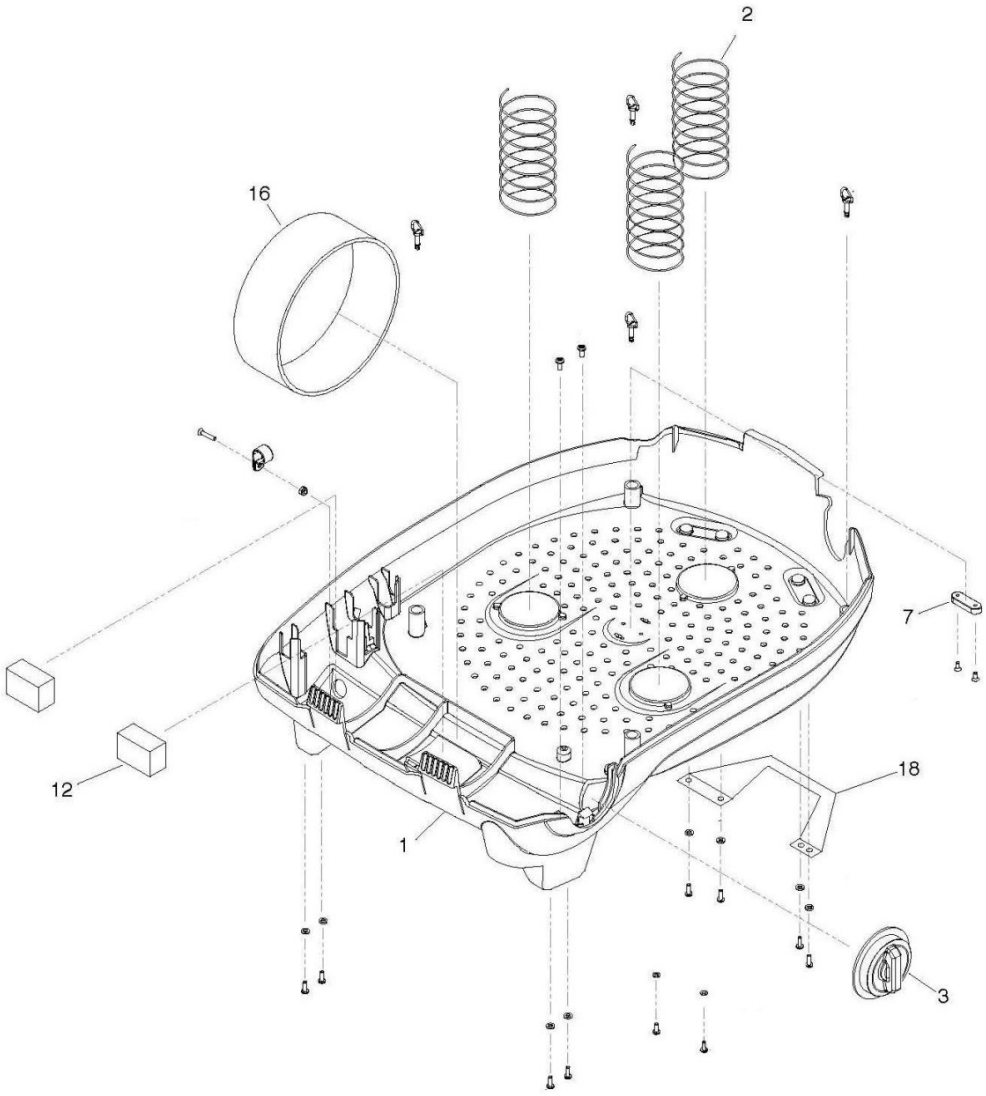
7. Always check your cylinders for:
   A. Foreign gasses.
   B. Unapproved markings.
   C. Current hydrostatic date.

8. An unapproved _____ will compromise the protection provided to the USER by the SCBA.
   A. Facepiece
   B. Hose set
   C. Test/Tool Kit

9. A good _____ seal is important to achieving full protection and proper SCBA duration.
   A. Vent Valve
   B. Facepiece
   C. Hose Adapter

10. Users should conform to MSHA/NIOSH guidelines concerning facial hair and the _____ of facemasks.
   A. Care
   B. Washing
   C. Use

Lower Housing Assembly



1 Cons. No.	2 Designation	1 Cons. No.	2 Designation
1	**Lower Housing _____ (11)**	12	Latch Foam Pad
2	**_____ Springs (12)**	16	Oxygen Cylinder Hold-Down Strap
3	**External Oxygen _____ (13)**	18	**_____ Handle (15)**
7	**_____ Spacer (14)**		

11. A. Cover
B. Assembly
C. Shell

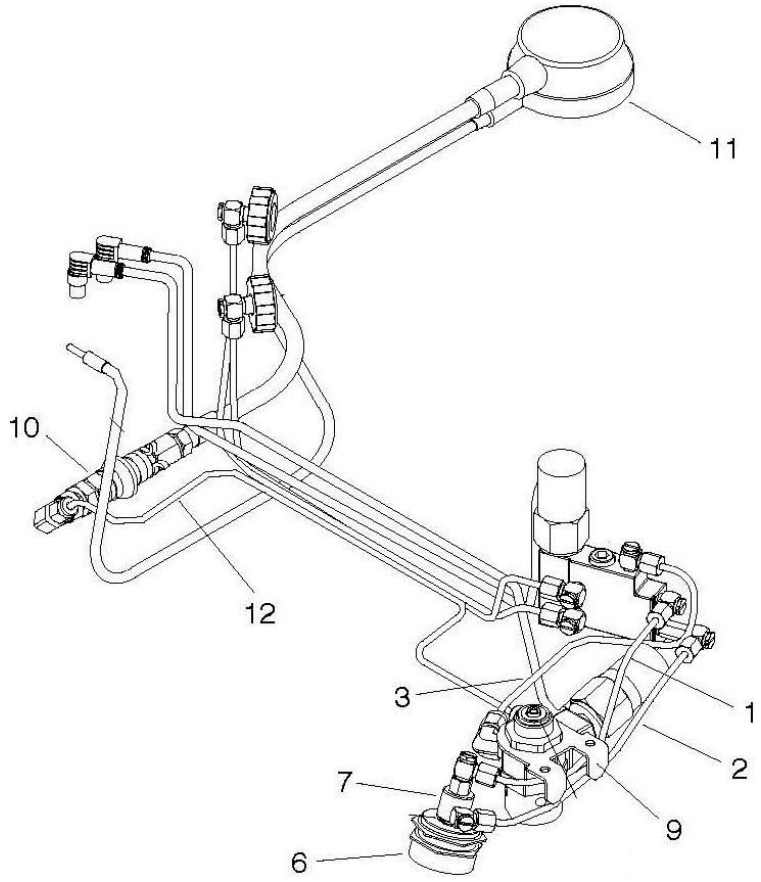
12. A. Positive Pressure
B. Diaphragm
C. Load

13. A. Cover
B. Controller
C. Knob

14. A. Relief
B. Vent
C. Outlet

15. A. Support
B. Lift
C. Carrying

Pneumatic Assembly



1 Cons. No.	2 Designation		1 Cons. No.	2 Designation
1	**Bypass _____Tube**	**(16)**	9	Oxygen Regulator Assembly
2	**Bypass _____Tube**	**(17)**	10	Remote Gauge Shut Off Assembly
3	**Oxygen ____ Tube**	**(18)**	11	Remote Gauge Assembly
6	**Bypass Valve _____Button**	**(19)**	12	Remote Gauge Feed Tube Assembly
7	**_____Valve**	**(20)**		

16. A. Supply
B. Feed
C. Return

17. A. Supply
B. Feed
C. Return

18. A. Supply
B. Feed
C. Return

19. A. Activate
B. Press
C. Push

20. A. Emergency
B. Feed
C. By-Pass