



PORTER NITRONOX HD E-STAND PACKAGE ASSEMBLY INSTRUCTIONS



Warnings and Precautions

Important: In addition to these assembly instructions, read the Nitronox HD User's Manual / Instructions FM-1308, which includes:

- Warnings and Precautions
- Delivery Technique
- Self-Administration Description
- Safety Checks
- Good Practices using Cylinders
- Maintenance and Troubleshooting.





Examination

Examine shipping carton for signs of external damage.

Remove contents from carton and inspect for visible damage or missing parts.

If damage is discovered or suspected and/or parts are missing, notify Porter or authorized distributor immediately.

PORTER CUSTOMER SERVICE: 215-723-4000

Installations

Nitronox Main Housing, Mobile E-Stand (Fig. 1.1), Mobile Stand, Wall Mount (Fig. 1.2) Mounted Demand Valve, Scavenger Interface

<u>Preparation of Mobile E-Stand</u> Fig. 1.1 Also see FM-916 E-Stand User's Instructions

 Slide Center Column with Cylinder Restraint and Cylinder Yoke Block into 5-Star Base (Fig. 2.1). Push down firmly until snug. Align Cylinder Restraint as shown. Base of cylinders will fit in between wheels (Fig. 2.2).





Fig. 2.1

Fig. 2.2

2. Adjust the Recessed Mounting Post to highest height by loosening and tightening the small black handle (Fig. 3.1) on the Yoke Block – and raising the Mounting Post (Fig. 3.2).





Fia. 3.1

Fig. 3.2

3. The Nitronox Main Housing will mount on the Mounting Post of the E-Stand [or Mobile Stand] by sitting the bottom of the Housing (Fig. 4.1) on top of the Mounting Post (larger threads Fig. 4.2). Hold the Mounting Post in one hand and position the Housing with the other.





Fig. 4.1

Fig. 4.2

4. Secure the Housing on the Mounting Post (Fig. 5.1) by twisting the Post (counterclockwise) with one hand and

holding the Housing steady with the other hand. Twist until the Post is snug (Fig.5.2).



Fig. 1.1

Fig. 1.2



E-Stand with Nitronox

Wall Mount



Fig. 5.1



Fig. 5.2

Preparation of Mobile E-Stand (continued)

5. Attach the Handle (Fig. 6.1) to the Mounting Post – just under the Retaining Ring / Oring (Fig. 6.2). Firmly tighten both screws so that the Handle cannot be twisted. The back of the Handle should be positioned over the back two cylinders (Fig. 6.3).



Fig. 6.1

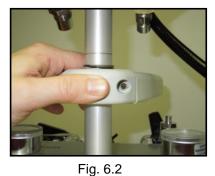




Fig. 6.3

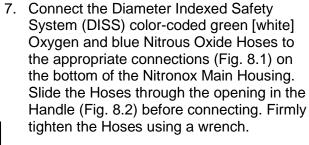




Fig. 8.1

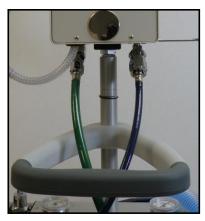


Fig. 8.2

Carefully clip the [shipping accessory]
 plastic fasteners off of the green Oxygen
 Hose and blue Nitrous Oxide Hose – under
 the E-Stand Block (Fig. 7). Be careful – do
 not cut the Hoses.



Fig. 7



Fig. 8.3

Preparation of Nitronox HD Scavenger Parts for use with Porter Medical Breathing Circuit

For further details, refer to Nitronox HD Scavenger System User's Manual FM-1309 and Porter Medical Breathing Circuit FM-1304

8. Attach Demand Valve Manifold Mount Assembly to the right side of the Nitronox HD using one screw on the top (Fig 9.1) and one screw on the bottom (Fig 9.2).





Fig. 9.1

Fig. 9.2

9. Push Demand Valve into Manifold (two sealing o-rings). (Fig. 10)



Fig. 10

10. Tighten thumb screw of Retaining Bracket to the side of the Manifold to secure the Demand Valve (Fig. 11)





Fig. 11

Fig. 12

11. Connect the Gas Delivery Hose to Demand Valve (Fig. 12). This is a quick connect attachment. Push the two ends together until click sound is heard. To remove – push the metal clip in – and pull apart.

12. Attach Mask Hanging Bracket to the Left side of the Nitronox HD (Fig. 13).



Fig. 13

13. Assembled Nitronox HD unit (Fig. 14).



Fig. 14

14. Attach the Nitronox Scavenger Interface to the Center Column (Figs. 15.1, 15.2).





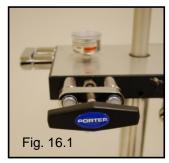
Fig. 15.1

Fig. 15.2

Attachment of Cylinders

Caution: When operating the swivel yoke, take care not to catch or pinch fingers.

15. Loosen the Tee Handle (Fig. 16.1) until point is even with the inside of the Swivel Arm. Push Tee Handle inwards to flip to open position. Align Tee Handle vertically (Fig. 16.2).





16. Undo the Hook & Loop straps on the Cylinder Restraint (Fig. 17)



Fig. 17

- 17. Cylinder Preparation: Remove any plastic wrap from the top of cylinder, including the cylinder plastic washer. Verify that the rubber washer (Fig. 18.2) provided with the E-Stand is still in place. Use the E-Stand washer.
- 18. Mount the "E" cylinders of Oxygen and Nitrous Oxide (not included) to the E-Stand Block. Insert cylinders correctly on indexing pins and as marked on Block (N₂O Figs. 18.1, 18.2; O₂ Figs. 18.3, 18.4). Pins assure mounting in appropriate position.



Fig. 18.1



N₂O Pins Rubber Fig. 18.2 Washer



Fig. 18.3



O₂ Pins
Warning

Warning
Do not remove or alter
gas indexing pins

- Slide the cylinder into place by lining up the pins and pin holes on the cylinder. Push into place. Properly placed, the cylinder should hang on the pins (Fig. 19).
- 20. Cylinders should hang freely between wheel base. If the wheel base interferes, loosen and rotate cylinder restraint.
- 21. Rotate swivel clockwise to close (Fig. 20.1). Swivel will move into the locked position when Tee Handle is tightened. Secure the Hook & Loop straps to hold cylinder in place (Fig. 20.2).



Fig. 19



Fig. 20.1



Fig. 20.2



Fig 21

22. The Cylinder Valve Wrench (hanging from black Knob) is used to open/close Cylinder Valves (Fig. 21). See FM-916 User's Instructions.

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