

PORTER NITRONOX E-STAND PACKAGE ASSEMBLY INSTRUCTIONS



Warnings and Precautions

Important: In addition to these assembly instructions, read the Nitronox User's Manual / Instructions 10115900, 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

Section 1: Installations

Nitronox Main Housing, Mobile E-Stand, Mobile Stand, Demand Valve, Corrugated Hose, Scavenger Interface

Preparation of Mobile E-Stand Fig. 1
Also see FM-916 E-Stand User's Instructions

1. 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).



Fig. 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

E-Stand with Nitronox

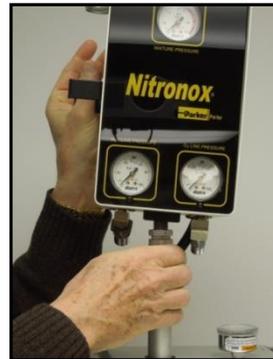


Fig. 5.1



Fig. 5.2

Preparation of Mobile E-Stand (continued)

- Attach the Handle (Fig. 6.1) to the Mounting Post – just under the Retaining Ring / O-ring (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. 6.2



Fig. 6.3

- 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

- Connect the Diameter Indexed Safety System (DISS) green Oxygen and blue Nitrous Oxide Hoses to the appropriate connections (Fig. 8.1) on the bottom of the Nitronox Main Housing. Slide the Hoses through the opening in the Handle (Fig. 8.2) before connecting. Firmly tighten the Hoses using a wrench.



Fig. 8.1



Fig. 8.2



Fig. 8.3 (shown with white hose)

Preparation of Nitronox Scavenger Parts

For further details, refer to Nitronox Scavenger User's Manual 10152100

8. Connect the Demand Valve (Fig. 9.1) to the black Gas Delivery Hose (connected through underside of Nitronox Main Housing Fig. 9.2). This is a quick connect attachment. Push the two ends together until click sound is heard (Fig. 9.3). To remove – push the metal clip in – and pull apart.



Fig. 9.1



Fig. 9.2



Fig. 9.3

9. The bracket and clip on the side of the Housing (Fig. 10.1) may be used to hold the Demand Valve assembly and Hoses when not in use (Fig. 10.2).



Fig. 10.1



Fig. 10.2

10. Follow instructions FM-1236 included with 19mm Magenta Hose: Part number 92120041 – 19mm Corrugated Scavenger Hose Assembly Instructions. (Figs. 11.1, 11.2, Fig. 12)



Fig. 11.1



Fig. 11.2



Fig. 12

Nitronox Scavenger on Housing

11. Attach the Nitronox Scavenger Interface to the Center Column (Figs. 13.1, 13.2).



Fig. 13.1



Fig. 13.2

Attachment of Cylinders

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

- Loosen the Tee Handle (Fig. 14.1) 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. 14.2).

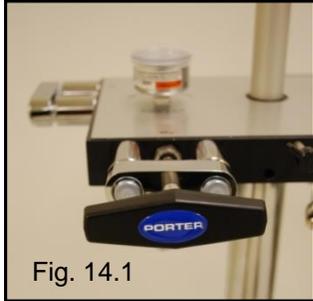


Fig. 14.1

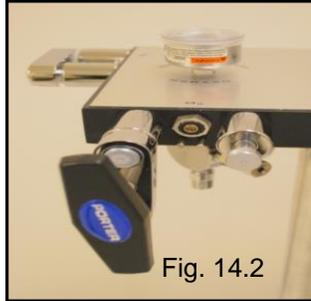


Fig. 14.2

- Undo the Hook & Loop straps on the Cylinder Restraint (Fig. 15)



Fig. 15

- Cylinder Preparation: Remove any plastic wrap from the top of cylinder, including the cylinder plastic washer. Verify that the rubber washer (Fig. 16.2) provided with the E-Stand is still in place. Use the E-Stand washer.

- 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. 16.1, 16.2; O₂ Figs. 16.3, 16.4). Pins assure mounting in appropriate position.



Fig. 16.1



N₂O Pins Rubber Washer

Fig. 16.2



Fig. 16.3



Fig. 16.4

O₂ Pins



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. 17).
- Cylinders should hang freely between wheel base. If the wheel base interferes, loosen and rotate cylinder restraint.
- Rotate swivel clockwise to close (Fig. 18.1). Swivel will move into the locked position when Tee Handle is tightened. Secure the Hook & Loop straps to hold cylinder in place (Fig. 18.2).



Fig. 17

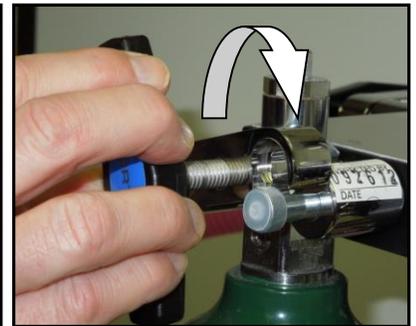


Fig. 18.1



Fig. 18.2



Fig. 19

- The Cylinder Valve Wrench (hanging from black Knob) is used to open/close Cylinder Valves (Fig. 19). See FM-916 User's Instructions.

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Parker Hannifin Corporation
Precision Fluidics Division
Porter Instrument
245 Township Line Road
Hatfield, PA 19440
Office 215 723 4000
Fax 215 723 5106

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