



**MOKAL
INC.**

Mokal Air Systems (MAS)

Owner's Manual

Covers MAS 3000 & MAS 4500 Air Systems

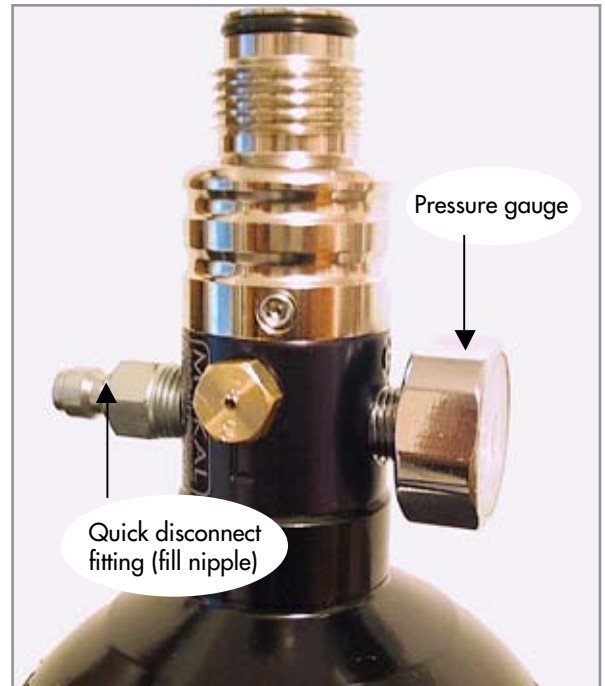
MOKAL INC.
1860 SISMET ROAD MISSISSAUGA, ONTARIO, CANADA L4W 1W9
TEL: (905) 625-7571 FAX: (905) 625-8218
www.mokal.com

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Thank you for purchasing a Mokal Air System. We have taken great care in manufacturing our air systems and hope that it enhances your paintball experience. Please read this manual completely before using your MAS tank. If you have any questions or concerns please contact us.

Filling your tank

Your MAS tank is equipped with a standard quick disconnect fitting (fill nipple). This will allow you to fill the tank even when it is on your marker. The tank can be filled with either compressed air or nitrogen. The gauge on the regulator shows the pressure inside the tank. As you fill the tank the pressure will increase. The maximum pressure is printed on the regulator. You should never exceed this pressure. The fill nipple should be covered to prevent any dirt from entering the regulator.



Connecting to your marker

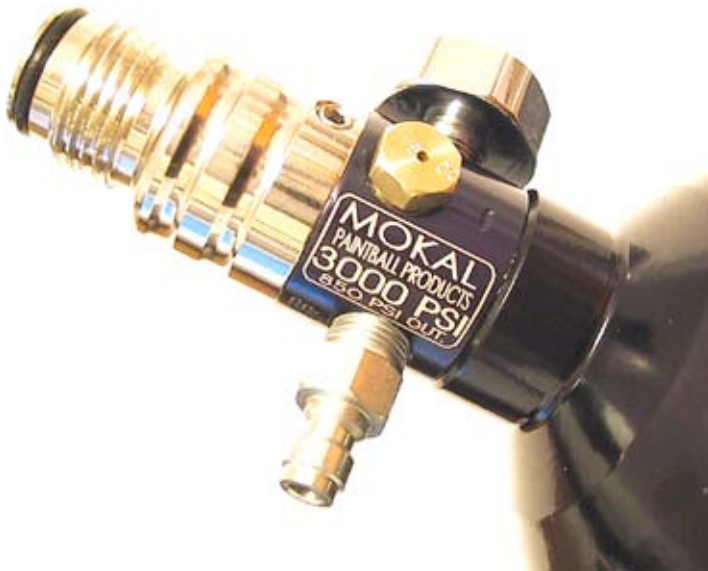
Your MAS regulator has a standard ASA style thread that screws into your marker. There is a pin valve that opens when you screw in the tank. When installing the tank ensure that you start the threads properly otherwise you will damage the threads. Point the marker in a safe direction and screw in the tank. When the tank is screwed in you will hear the pin valve open and air will flow into your marker. Tighten the tank until it stops but do not apply a lot of force. Tightening the regulator too much may make it difficult to remove.

Removing the MAS tank from your marker

Unscrew the tank about 1-1/2 turns. Then remove the excess gas in the marker by dry shooting (Be sure that you point the marker in safe direction). After you do this you can safely remove the tank from your marker. If you do not dry shoot the excess air the tank may be propelled from the marker and may cause bodily damage to you or others.

If your marker is equipped with an on/off valve you will need to turn off the valve and then shoot out the excess air in a safe direction.

CAUTION:
WHEN REMOVING THE TANK FROM YOUR MARKER THE REGULATOR SHOULD NOT UNSCREW FROM THE TANK. IF THE REGULATOR SEPARATES FROM THE TANK DO NOT REMOVE THE TANK. FAILURE TO DO SO MAY CAUSE BODILY INJURY OR DEATH.



This picture shows the regulator tightened properly against the tank.



This picture shows the regulator separated from the tank. In this case **the tank should not be removed.** There is a vent hole located in the tank thread that will vent out the air in the tank if the regulator unscrews from the tank. Allow the air in the tank to completely escape before attempting to remove the tank. You should have your tank serviced by a qualified air smith to properly remove the tank and reinstall the regulator.

Safety Rupture Discs

Your MAS tank is equipped with two safety rupture discs. These are labeled "L" for low and "H" for high on the regulator. The low pressure rupture disc is designed to prevent the higher pressure air from entering the marker in the unlikely event that the regulator fails. The high pressure rupture disc is designed to burst if the pressure inside the tank exceeds the input pressure rating of the regulator. The maximum tank pressure and the output pressure of the regulator are printed on the regulator beside the fill nipple.

The following table describes the pressure ratings for MAS tanks

MODEL	MAX. INPUT PRESSURE	OUTPUT PRESSURE	LOW RUPTURE DISC	HIGH RUPTURE DISC
MAS 3000	3000 PSI	850 PSI	1800 PSI	5000 PSI
MAS 4500-L	4500 PSI	450 PSI	800 PSI	7500 PSI
MAS 4500-H	4500 PSI	850 PSI	1800 PSI	7500 PSI