

# High Pressure Nitrogen Fill Station Instructions

**Warning:** High pressure equipment and cylinders can be dangerous if not used and handled properly. All procedures must be followed. Failure to follow all procedures could result in damage to Fill Station or the paintball tank. Injury, and even death, can also occur if procedures are not followed.

- Step 1 - Secure the high pressure bulk tank to a fixed object.
- Step 2 - Remove cylinder cap from high pressure bulk tank. NEVER move a bulk tank without the valve cap in place.
- Step 3 - Open the cylinder valve quickly and immediately close. This removes any loose particles that can damage the fill station.
- Step 4 - Connect the Nitrogen Fill Station Inlet Nut and Nipple (1) to the bulk nitrogen cylinder.
- Step 5 - Back the adjusting screw (5) out by turning counter-clockwise until there is not tension on the adjusting screw.
- Step 6 - Close the Fill Valve (6) and the Drain Valve (7). Both valves close by turning clockwise.
- Step 7 - Slowly open the nitrogen bulk tank valve. The contents gauge (2) on the Nitrogen Fill Station will read the pressure of the bulk tank.
- Step 8 - Check the paintball tank for any sign of damage to the tank or fiber wrap.
- Step 9 - Check the test date of paintball tank, DO NOT fill a tank that is out date.
- Step 10 - Check the PSI Rating of the paintball tank to be filled.
- Step 11 - Connect the paintball tank to the fill station at the Quick Disconnect Paintball Tank Adapter (8). Make sure paintball tank is securely connected.
- Step 12 - Set the delivery pressure on Nitrogen Fill Station Delivery Gauge (3) to match the PSI rating of paintball tank by turning the adjusting screw (5) clockwise.
- Step 13 - Slowly open the Fill Valve (6) on the Nitrogen Fill Station by turning it counter-clockwise. Both Gauges (2 & 3) will go down to zero and gradually start to climb.
- Step 14 - Wait until the Content Gauge and Delivery Pressure Gauge (2 & 3) stop climbing, then close the Fill Valve (6) by turning clockwise.
- Step 15 - Open the Drain Valve (7) by turn counter-clockwise, relieving all the pressure between the paintball tank and the fill valve.
- Step 16 - Close Drain Valve (7) by turn clockwise after pressure is released.
- Step 17 - Remove paintball tank from the Quick Disconnect Paintball Tank Adapter (8).
- Step 18 - Back the adjusting screw (5) out by turning counter-clockwise until there is not tension on the adjusting screw.
- Step 19 - To fill additional paintball tanks, return to Step 8 and repeat filling procedures.
- Step 20 - Open the Fill Valve (6) and drain Nitrogen Fill Station of pressure.
- Step 21 - Remove Nitrogen Fill Station at the Inlet Nut and Nipple (1) from the nitrogen bulk tank.
- Step 22 - Replace nitrogen bulk tank valve cap when not in use. Always keep bulk tank secured to fixed object except when moving.

**Note:** If during Step 15, the drain valve continues to vent pressure longer than a few seconds, either the paintball tank fill nipple is bad and needs replacing or the Fill Valve

(6) is not properly closed. Also, bulk tanks are extremely heavy and should be moved only with hand trucks designed to move high pressure cylinders.

