

OXYGEN TRANSFER PROCEDURE from MSC SUPPLY to FLIGHT BOTTLES

1. Connect the transfer hose to the large low pressure O2 bottle and tighten the connection.
2. Connect the other hose end to the small bottle, finger tight only.
3. Crack open the valve of the large bottle and allow sufficient flow of O2 to purge all the air from the transfer hose, then close the valve.
4. Tighten the connection to the small bottle.
5. Open the valve of the small bottle and note the initial pressure reading.
6. Crack open the valve of the large bottle to slowly transfer O2 to the small bottle.
7. When the flow stops, note the pressure reading again and close both bottle valves.
8. Disconnect the transfer hose from the low pressure large bottle and transfer quickly to the high pressure large bottle.
9. Open the small bottle valve and crack open large bottle to slowly top up the small bottle, note the final pressure reading.
10. Close both bottle valves and remove the transfer hose to watertight storage.

RECHARGE PROCESS for MSC OXYGEN BOTTLES

(Assuming two newly recharged bottles are available)

1. Take MSC high pressure bottle and purge the transfer hose in the usual way while connected to the **first recharge bottle**.
2. Open the MSC bottle valve and record the pressure.
3. Crack open the supply valve for a slow transfer rate. When finished record pressure.
4. Close both valves.
5. Remove the hose from the **first recharge bottle** and quickly connect to the **second recharge bottle**, tightening the connection and opening the MSC bottle valve.
6. Crack open the recharge valve in the usual way. Record the pressure when flow has stopped.
7. Close both valves.
8. Take the MSC low pressure bottle purging the hose when connected to the **first recharge bottle**. Tighten both connections, open MSC bottle valve and record the pressure.
9. Crack open the recharge valve, record the final pressure and close both valves.
10. Disconnect the hose from the **first recharge bottle** and connect to the **second recharge bottle**. Crack open the recharge valve and record the pressure when flow has stopped.
11. Close both valves and store the transfer hose to watertight storage.

Example of Recharge of MSC Bottles

Condition	Pressure in MSC Bottles	
	Bottle #1 (high press.)	Bottle #2 (low press)
Start	1300psi	850psi
Fill from 1 st Recharge Bottle	1750psi	1350psi*
Fill from 2 nd Recharge Bottle	1900psi	1700psi**

*Remaining pressure in Recharge Bottle #1

**Remaining pressure in Recharge Bottle #2

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