

SETTING UP VAPORIZER

INSTRUCTIONS FOR LIQUID OXYGEN HOOK UP

1. HOOK UP HOSES FROM MANIFOLD MARKED **LIQUID** TO THE LIQUID OUT PUT VALVE ON THE CYLINDER.
2. HOOK UP HOSES FROM MANIFOLD MARKED **VENTS** TO THE VENT VALVES ON THE CYLINDER.

OPERATING THE SYSTEM

1. OPEN PRESSURE BUILDER VALVES ON CYLINDERS
2. OPEN ALL VENT VALVES ON CYLINDERS
3. OPEN ALL LIQUID VALVES ON CYLINDERS
4. ALLOW TIME FOR PRESSURE TO BUILD IN SYSTEM
5. OPEN VALVES FROM LIQUID MANIFOLD TO VAPORIZER.

CAUTION

ALL LIQUID CYLINDERS MUST BE THE SAME PRESSURE RATING. YOU CAN NOT MIX CYLINDERS WITH DIFFERENT PRESSURE RELIEF SETTINGS. DOING SO WILL CAUSE THE LOWEST PRESSURE CYLINDER TO POP OFF.

IF ONLY ONE CYLINDER IS USED THE OUTPUT OF THE SYSTEM WILL BE REDUCED.

IF **ONE** CYLINDER IS USED, **DO NOT HOOK UP THE VENT HOSE AND LEAVE THE VENT VALVE TURNED OFF.**

TIGHTEN UP UNUSED HOSES TO BLIND MANIFOLD ON THE FRAME. TIGHTEN UP THE UNUSED LIQUID HOSE TO THE BLIND MANIFOLD ON THE FRAME AND CHECK FOR LEAKS. DO NOT USE THE SYSTEM IF THERE ARE LEAKS.

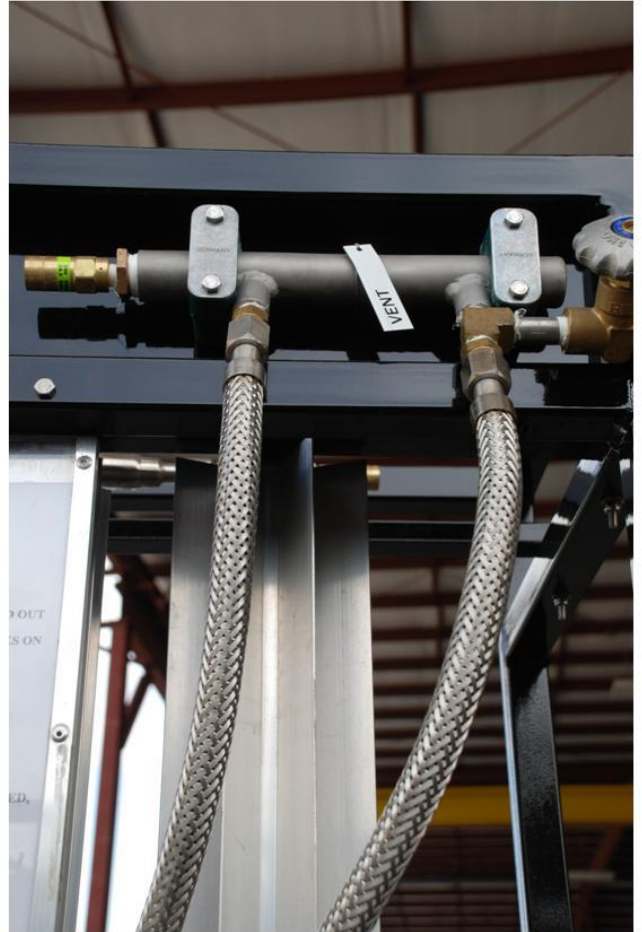
SHUTTING DOWN SYSTEM

1. CLOSE ALL PRESSURE BUILDER VALVES
2. CLOSE ALL LIQUID OUT PUT VALVES AT THE CYLINDER
3. CLOSE ALL VENT VALVES AND BLEED THE VENT MANIFOLD, BLEED VALVE IS ON THE RIGHT SIDE OF THE VENT MANIFOLD.
4. OPEN THE OUT VALVE ON THE REGULATOR AND BLEED OFF ALL PRESSURE (DO NOT LEAVE PRESSURE OR LIQUID IN ANY PART OF VAPORIZER SYSTEM OR HOSES.)
5. AFTER ALL PRESSURE IS BLED FROM ENTIRE SYSTEM, CLOSE THE VALVES ON THE VAPORIZER LIQUID MANIFOLD



LIQUID INLET MANIFOLD

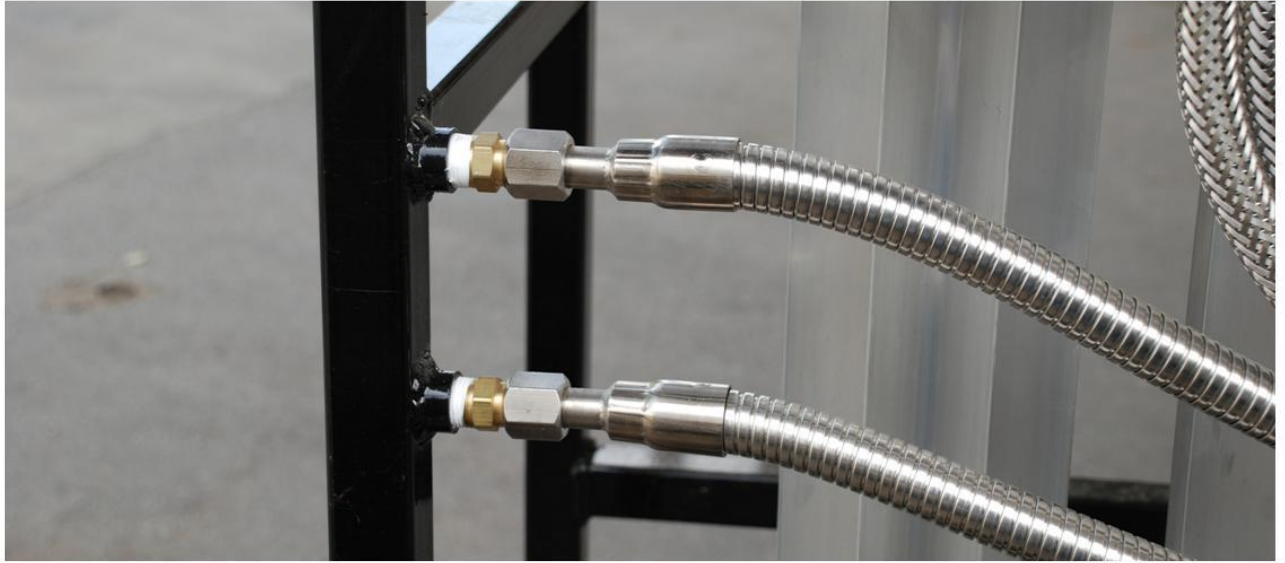
If only one liquid dewar is used leave the valve turned off on the second hose and leave the unused hose hooked up to the blind manifold on the frame



VENT MANIFOLD

If only one liquid dewar is being used do not hook up the vent hoses. Leave both of them attached to the blind manifold on the frame. WHEN SHUTTING DOWN, THE VALVE ON THE RIGHT OF THE VENT MANIFOLD IS TO BLEED THE MANIFOLD.

ANY TIME THE UNIT IS NOT BEING USED THE HOSES SHOULD BE HOOKED UP TO THE BLIND MANIFOLD ON THE FRAME. THIS WAS DESIGNED TO PREVENT CONTAMINATION OF THE HOSES AND FITTINGS AND TO INSURE THAT THE HOSE FITTINGS ARE NOT DAMAGED IN TRANSIT OR STORAGE..



LEFT BLIND MANIFOLD IS FOR THE LIQUID OXYGEN HOSES. THESE HOSES HAVE THE SPIRAL WRAPPED STAINLESS STEEL HOSE GUARD. WHEN ONLY ONE LIQUID DEWAR IS USED LEAVE THE OTHER HOSE SEALED TO THE BLIND PLUG

RIGHT BLIND MANIFOLD IS FOR THE VENT HOSES. THESE HOSES HAVE THE WEAIVED STAINLESS STEEL HOSE GUARD. WHEN ONLY ONE LIQUID DEWAR IS USED LEAVE BOTH VENT HOSE SEALED TO THE BLIND PLUG

