



# Transfill Manifold Instruction Sheet

## Important Safety Guidelines

1. Never fill a cylinder without permission of the owner.
2. Before filling a cylinder visually inspect the cylinder to verify it is in good condition. Do not fill the cylinder if there are dents, deep scratches, evidence of being in the presence of a fire, signs of rust, or if the pressure valve is damaged in any way.
3. Verify the cylinder has been hydrostatically tested within the last 5 years. The hydrostatic test date will be stamped in the crown of the cylinder. The numbers will be in this order: Month/Test Facility ID /Year. For example, a cylinder tested in April 2001 will have a stamp that looks like this:

**04<sup>B8</sup> 01<sub>73</sub>**

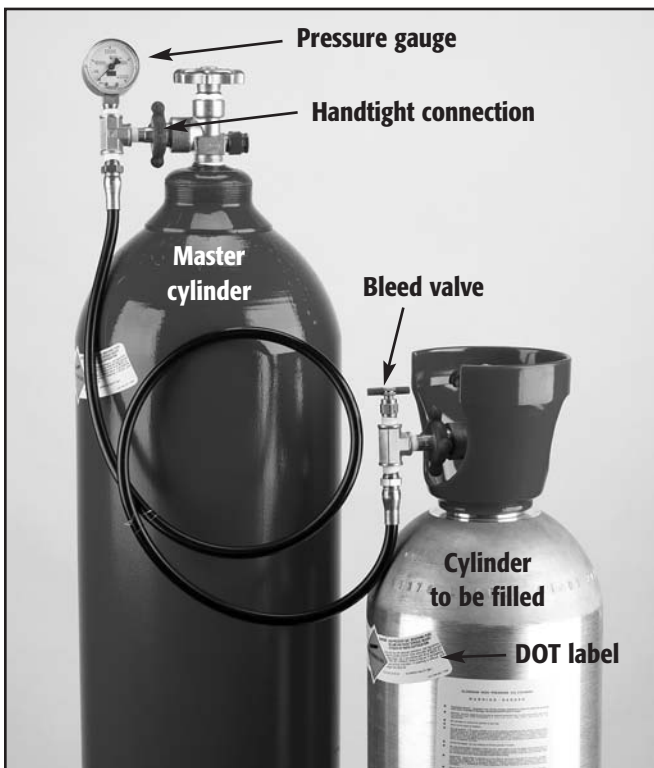
If the cylinder test date is over five years, **do not fill the cylinder**. Out-of-date cylinders must be sent to an authorized hydrotest company for testing.

## Department of Transportation Regulations



1. Make sure the cylinder has a DOT Helium Label. All cylinders must be identified with a Department of Transportation label.
2. A Gas Transportation Document must be in plain view in driver's compartment while full or partially filled cylinders are being transported. Visit <http://www.ConwinOnline.com> to download a sample Gas Transportation Document.
3. For additional safety guidelines and regulations, visit the National Department of Transportation's website at <http://hazmat.DOT.gov>

## Filling Instructions



1. After reviewing the safety guidelines above, handtight connect the Transfill Manifold with the pressure gauge next to the master cylinder and the bleed valve next to the cylinder you are filling. Make sure the bleed valve is closed - turn the valve clockwise to close.
2. Verify the maximum pressure rating of the small cylinder. The maximum pressure is stamped in the crown of the cylinder. This is the maximum amount of pressure to transfill into the cylinder. The stamp will appear like this: **DOT 3AL 1800**  
The last number (in this case 1800) indicates the maximum pressure rating.
3. Fully open the valve on the small cylinder. If there is any pressure in the cylinder it will register on the gauge. This will be the starting pressure. Slowly, open the valve on the large cylinder. Watch the pressure increase on the gauge. When the pressure reaches 1800 PSI, or the maximum rating, close the valve on the large cylinder then close the valve on the small cylinder.
4. After both cylinder valves are closed, open the pressure bleed valve and release the pressure from the transfill manifold and remove the small cylinder from the filling hose. Close the pressure bleed valve.



# Related Safety Products

## 4-Wheel Hand Truck



Versatile and sturdy, Conwin's 4-Wheel Hand Truck a rear wheel carriage with extended back wheels that provide maximum stability and locks into place for easy transportation. Additional features include heavy-duty wheels and two-position belt holders.

## Cylinder Safety Stand



A must for safety in the shop or on the job! Conwin's Cylinder Safety Stand features a flat baseplate that provides greater stability. Two adjustable Velcro® safety belts secure all size cylinders.

## Add-On Workbench for 4W Hand Truck



Create a large, convenient workspace with Conwin's Add-On Workbench for the 4-Wheel Hand Truck. The frame is designed to transport SDS grids and features a rack on which to hang Conwin's Balloon Caddy and 8-Spool Ribbon Dispenser.

## High-Pressure Test Gauge



Stop guessing how much helium you have left in your tank! With the High-Pressure Test Gauge, you can know for sure. The test gauge features a bleed valve, rubber guard and is glycerine-filled to withstand impact.

## Remote Helium Set-Up



### Counter-Top Helium Outlet

Conwin's Remote Helium Set-Up keeps your helium out of sight in the backroom or basement providing a clean and professional store appearance. Counter-Top Helium Outlet can be mounted at any convenient area.

## Cylinder Safety Wall Bracket



An economical solution in any work area. Mounts to the wall and secures any cylinder with a Velcro® saefty belt. Conwin # 30100

## Service & Warranty

For assistance with service & repair issues, or for warranty information, please visit [ConwinOnline.com](http://ConwinOnline.com), or call (818)246.9233



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