

FILLING INSTRUCTIONS

NITROGEN FILLING:

1. Disconnect hose and unscrew regulator from the small cylinder valve.
2. Connect FA-03 and FA-01 gas adaptors onto small cylinder valve. (See illustration #3)
3. Connect the small cylinder and adaptors onto the mother Nitrogen cylinder.
4. Slowly open both cylinder valves, allowing pressure to equalize.
5. Completely close both cylinder valves, and unscrew the adaptors.
6. Check for leaks.

CAUTION: This equalizing transfill does not overfill the small cylinder when using a standard 2015 psi 40 ft' or 80 ft' mother cylinder. Larger capacity or higher pressure mother cylinders require the use of a system to prevent pressures over 1800 psi from entering the small cylinder. Contact our tech assistance at 1-800-856-5668 with questions.

CARBON DIOXIDE (CO²) FILLING:

1. Disconnect hose and unscrew regulator from the small cylinder valve.
2. Turn over and vent off any remaining contents from the small cylinder. (This can be an effective way to prechill the cylinder - see warning below.)
3. Weigh the small cylinder, and record the weight. (This is the tare weight.)

OPERATOR'S TIP: Slightly open the valve of the mother cylinder at this point to vent off any vaporized CO² in the dip tube. Within 5 seconds a white crystal like discharge indicates liquid CO² is available to be transfilled. (Vapor type cylinders will have to be inverted to extract liquid. See illustration #2.)

4. Connect the small cylinder to the mother cylinder using the FA-03 adaptor. (See illustrations #1 & 2)

WARNING: Colder cylinders accept more CO² while filling, potentially overfilling them. Cylinders that are cold or that have been prechilled before being filled must be weighed to confirm they are not overfilled.

5. With cylinders hand tightened together, slowly open both cylinder valves, and allow pressure to equalize.
6. When flow stops, completely close both cylinder valves and disconnect.
7. Re-weigh the small cylinder, and subtract the tare weight. (This is the contents weight.)
8. Check the contents against the rated capacity of the small cylinder (usually stamped into the neck of the cylinder.)
If the cylinder is overfilled, release excess contents immediately.

WARNING: OVERFILLED CYLINDERS ARE DANGEROUS! Always check contents weight on an accurate scale.

CAUTION: It is illegal to transport any cylinder filled after the hydrotest has expired. (Hydrotesting is normally required every 5 years, and the date of the last test is stamped into the neck of the cylinder.) For further information, contact the Compressed Gas Association, 4221 Walney Road, 5th Floor, Chantilly, VA 20151-2923, phone (703) 788-2700.

REHVAC Pumps assure fast, accurate full filling of CO² cylinders

Call 1-800-856-5668 for information.

Over for Illustrations →

TYPICAL TRANSFILL CONNECTIONS

Illustration #1

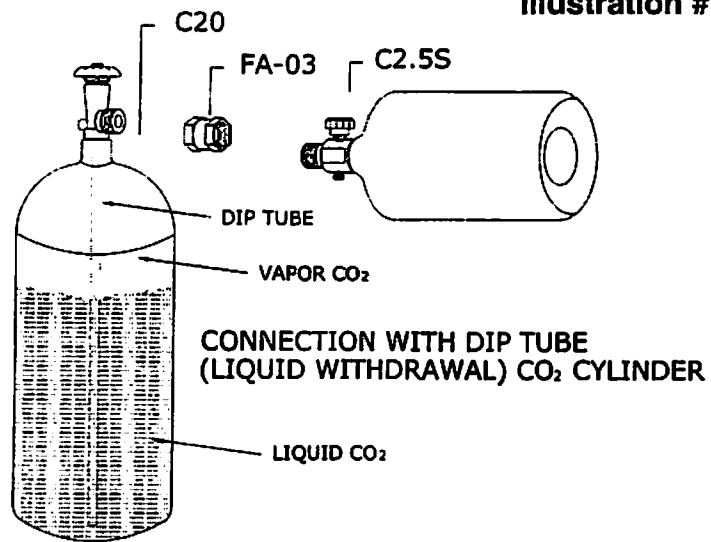


Illustration #2

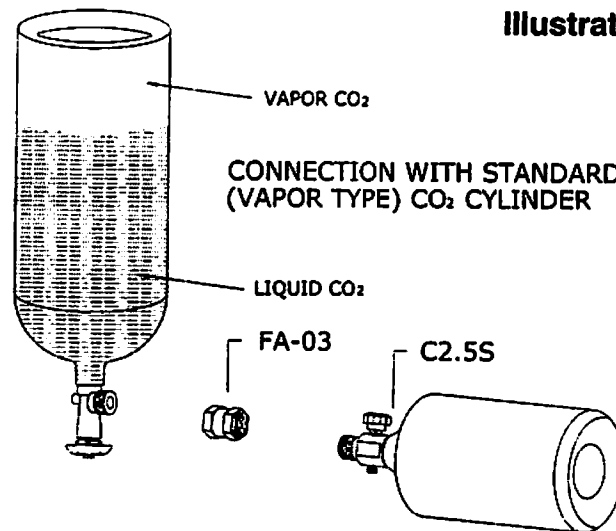


Illustration #3

