

**CARBON
DIOXIDE**
UN1013
OR NITROGEN
UN1066



CAUTION: HIGH PRESSURE LIQUID AND GAS. CAN CAUSE RAPID SUFFOCATION.

Store and use with adequate ventilation. Cylinder temperature should not exceed 130°F. Use equipment rated for cylinder pressure. Close valve after each use and when empty. Note: Suckback into cylinder may cause rupture. Always use a back flow preventive device in the piping.
DO NOT REMOVE THIS LABEL.

C2.5S CYLINDER

9 FT³ NITROGEN / 2-1/2 lb CO₂ (22ft³)

HIGH PRESSURE LIQUEFIED CO₂ OR HIGH PRESSURE NITROGEN

WARNING! DANGER! HIGH PRESSURE

**MISUSE OF THIS PRODUCT CAN CAUSE INJURY OR DEATH.
READ ALL SAFETY WARNINGS AND INSTRUCTIONS BEFORE USE**

SAFETY WARNINGS

- ASPHYXIATION HAZARD: ALWAYS USE AND FILL WITH ADEQUATE VENTILATION.
- HIGH PRESSURE GASES ARE POWERFUL: ALWAYS WEAR EYE PROTECTION. NEVER USE UNDERRATED ATTACHMENTS OR ACCESSORIES.
- LIQUEFIED GASES CAN CAUSE FROSTBITE: USE ADEQUATE BODY PROTECTION.
- USE COMMON SENSE! DO NOT USE THIS PRODUCT IF YOU ARE UNFAMILIAR WITH COMPRESSED GASES, AND HAVE NOT BEEN TRAINED. IF IN DOUBT, CONTACT YOUR GAS SUPPLIER, OR CALL DIVERSITECH AT 1-800-995-2222.

OPERATING INSTRUCTIONS

1. ALWAYS WEAR EYE, FACE, HAND, AND BODY PROTECTION WHEN USING TOOLS.
2. NEVER DIRECT THE BLOWGUN OR HOSES AT YOURSELF OR ANYONE ELSE.
3. NEVER OVER PRESSURIZE ACCESSORIES OR EQUIPMENT. FOLLOW GUIDELINES OF OSHA AND OTHER AUTHORITIES.
4. USE GENUINE DIVERSITECH REPLACEMENT PARTS FOR REPAIRING AND MAINTAINING THIS TOOL.

TANK FILLING INSTRUCTIONS

CO₂ FILLING

1. DISCONNECT HOSE AND UNSCREW REGULATOR FROM THE DRAIN KAT.
 2. TURN OVER AND VENT OFF ANY REMAINING CONTENTS FROM THE DRAIN KAT. THIS CAN BE AN EFFECTIVE WAY TO PRE-CHILL THE CYLINDER - SEE WARNING BELOW.
 3. WEIGH THE SMALL CYLINDER, AND RECORD 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 SNOW LIKE DISCHARGE INDICATES LIQUID CO₂ IS AVAILABLE TO BE TRANSFERRED. VAPOR TYPE CYLINDERS WILL HAVE TO BE INVERTED TO EXTRACT LIQUID.**

4. CONNECT THE DRAIN KAT TO THE MOTHER CYLINDER USING THE FA-03 ADAPTOR.
WARNING: COLDER CYLINDERS ACCEPT MORE CO₂ WHILE FILLING. CYLINDERS THAT ARE COLD OR THAT HAVE BEEN PRE-CHILLED BEFORE BEING FILLED MUST BE WEIGHED TO CONFIRM THEY ARE NOT OVERFILLED.
5. WITH CYLINDERS HAND TIGHTENED TOGETHER, OPEN THE DRAIN KAT, THEN SLOWLY OPEN THE MOTHER CYLINDER ALLOWING PRESSURE TO EQUALIZE.
6. WHEN FLOW STOPS, CLOSE BOTH CYLINDER VALVES, AND DISCONNECT THE CYLINDERS BY UNSCREWING THE ADAPTOR.
7. THERE WILL BE A SLIGHT RELEASE OF GAS BETWEEN THE TWO CYLINDERS UPON DISCONNECTING.
8. RE-WEIGH THE DRAIN KAT, AND SUBTRACT THE TARE WEIGHT. THIS IS THE CONTENTS WEIGHT.
9. CHECK THE CONTENTS AGAINST THE RATED CAPACITY OF THE DRAIN KAT USUALLY STAMPED INTO THE NECK OF THE CYLINDER. IF THE CYLINDER IS OVERFILLED, RELEASE THE EXCESS CONTENTS IMMEDIATELY.

WARNING: OVERFILLED CYLINDERS ARE DANGEROUS! ALWAYS CHECK CONTENTS WEIGHT ON AN ACCURATE SCALE.

NITROGEN FILLING:

1. DISCONNECT HOSE AND UNSCREW REGULATOR FROM THE DRAIN KAT.
2. CONNECT FA-03 AND FA-01 ADAPTORS ONTO THE DRAIN KAT CYLINDER VALVE.
3. CONNECT THE DRAIN KAT ONTO THE LARGER NITROGEN CYLINDER (MOTHER CYLINDER).
4. OPEN THE DRAIN KAT, THEN SLOWLY OPEN THE MOTHER CYLINDER ALLOWING PRESSURE TO EQUALIZE.
5. COMPLETELY CLOSE BOTH CYLINDER VALVES, AND DISCONNECT THE CYLINDERS BY UNSCREWING THE ADAPTORS.
6. THERE WILL BE A SLIGHT RELEASE OF GAS BETWEEN THE TWO CYLINDERS UPON DISCONNECTING.
7. CHECK FOR CONTINUOUS LEAKS.

CAUTION: THIS EQUALIZING TRANSFILL DOES NOT OVERFILL THE DRAIN KAT WHEN USING A STANDARD 2015 PSI 40 CU.FT. OR 80 CU.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 DRAIN KAT.

