

NATIONAL[™]

EZ ONE-SHOT[™] Recovery Cylinder

EZ ONE-SHOT[™] cylinders use DOT-39 disposable cylinder technology to provide an inexpensive, lightweight cylinder for use in one-time fill recovery situations

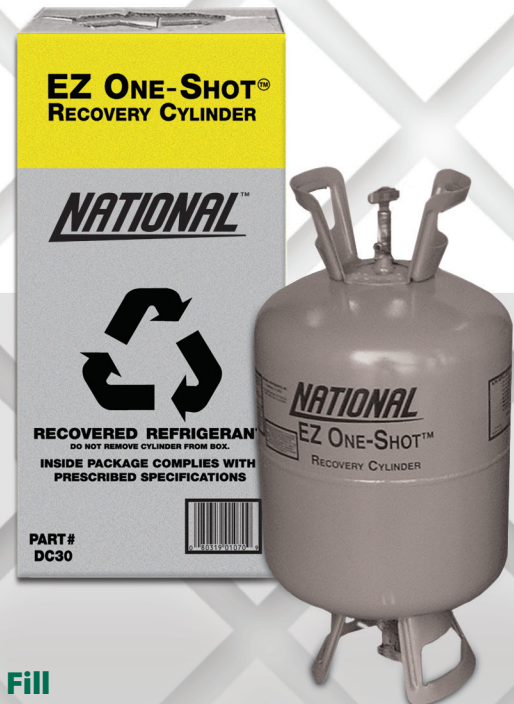
Applications for the EZ ONE-SHOT[™]

- Temporary storage receiver (where policy demands clean cylinder for each job)
- Single recovery job where gas will need to be returned or stored
 - One 20 to 30 lb. recovery job
 - Several smaller jobs at the same site
 - Burned gas: avoid contamination of your everyday recovery cylinder
 - Infrequent jobs or products not regularly recovered: won't tie up a standard cylinder
 - Dedicated shop machines
 - Download everyday cylinder to return refrigerant

Back Flow Prevention Valves

EZ ONE-SHOT[™] cylinders are equipped with back flow prevention devices inside the valves. THE CYLINDERS ARE SHIPPED WITH THE VALVES OPEN.

- Cylinders must be evacuated before use, but after hoses are connected.
- Once the cylinder valve is closed for the first time, the back flow prevention device seats in the valve. No more refrigerant can be added to the cylinder through that valve.
- Be sure that all recovery operations are complete before closing both valves to the cylinder.



One-Time Fill

One-time fill means that once refrigerant has been put into the cylinder and then removed, the cylinder may no longer be used for further recovery operations. It must be scrapped or disposed of properly. Recovering refrigerant with an EZ ONE-SHOT[™] recovery cylinder is considered the first filling operation. Recovery from several units, one after the other, until the cylinder is full represents one filling operation (for example, a dedicated shop machine).

EZ ONE-SHOT[™] recovery cylinders are subject to the same regulations as the "disposable" refrigerant cylinders that refrigerant is supplied in. Federal law forbids transportation if REFILLED. Federal law also requires that cylinders be filled and transport box provided. Penalty up to \$500,000 fine and 5 years imprisonment (49 U.S.C. 5124).



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Procedures for Using EZ ONE-SHOT™ Recovery Cylinder

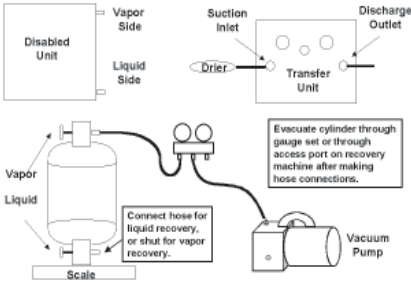


Figure 1: Evacuate Cylinder

- If performing liquid recovery, arrange hoses as indicated in **Fig. 2**.
- If performing vapor recovery, arrange hoses as indicated in **Fig. 3**.
- Evacuate cylinder with vacuum pump through a gauge set placed in the vapor line, or through an access port on the recovery machine, if available.

DO NOT CLOSE CYLINDER VALVES.

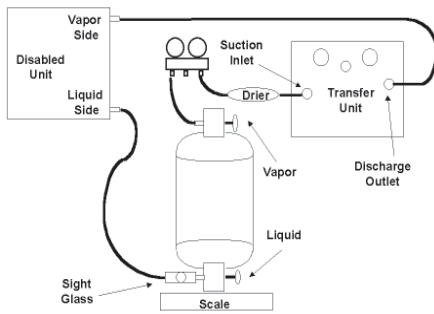


Figure 2: Liquid Recovery

Recovery machine draws vapor from the cylinder and uses this vapor to push liquid out of the system back into the cylinder.

- Vapor valve is at top of cylinder
- Liquid valve is at bottom
- *If also performing vapor recovery:*
- Close liquid valve when the sight glass clears, BEFORE turning off the recovery machine.
- Use gauge set on vapor line to transfer hoses on recovery machine to configuration in Fig. 3.

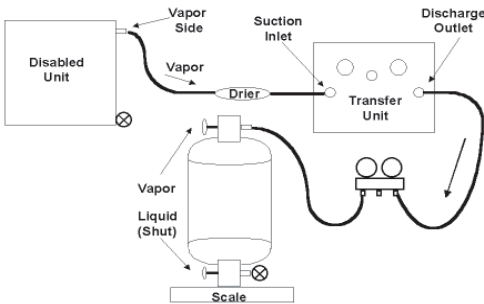


Figure 3: Vapor Recovery

Vapor recovery operations are performed normally, with access to the cylinder only through the vapor valve. Close bottom valve on cylinder. Complete all recovery operations, including purging procedures for the recovery unit, before closing the vapor valve.

Once cylinder valves are closed no more refrigerant can be added to the cylinder.

Maximum Shipping Weight of Recovered Refrigerant in EZ ONE-SHOT™ Recovery Cylinder

Refrigerant	Max Ship Wt./lbs.
R-12	39
R-22	36
R-114	43
R-134a	36
R-401A/B	36
R-402A/B	34
R-404A	31

Refrigerant	Max Ship Wt./lbs.
R-407A/B/C	35
R-408A	33
R-409A	37
R-410A	33
R-500	36
R-502	36
R-507	31

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