

# NATIONAL REFRIGERATION PRODUCTS

## Model FF1 Portable Refrigerant Recovery Unit — For Use with R12, R22, R502, R134a & Blends\*    Model FF1UL Portable Refrigerant Recovery Unit — For Use with R12, R22, R502, R134a & Blends\*



**Subcool feature**



### FF1 Unit

#### Features

- New Subcool Feature for Cylinder Cooling under High Ambient Conditions
- Electrical Cord Wrap
- Patented Compressor Sight Glass for Monitoring of Oil & Easy access Compressor Oil Drain
- Recovers Liquid & Vapor the Same Way - No Need to Change Hoses
- Light Weight
- EPA & ARI Certified
- Easy to Use
- 053 Drier Supplied
- Built-in Sight Glass

#### Applications

- Commercial A/C
- Commercial Refrigeration
- Roof Top Units
- Ice Machines
- Residential A/C
- Appliances

#### Specifications

*Power:*  
7.70A, 115V, 60 HZ, 1PH  
*Unit Weight:* 47 lbs.  
*Shipping Weight:* 54 lbs.  
*Dimensions:*  
12"H x 12"W x 15"D  
*Connections:* 3/8" MFL  
*Oil Charge:*  
150 Alkyl Benzene

### FF1UL Unit

#### Features

- UL Listed
- New Subcool Feature for Cylinder Cooling under High Ambient Conditions
- Electrical Cord Wrap
- Patented Compressor Sight Glass for Monitoring of Oil & Easy Access Compressor Oil Drain
- Recovers Liquid & Vapor the Same Way - No Need to Change Hoses
- EPA & ARI Certified
- Light Weight
- Easy to Use
- Tank Overfill Protection
- Comes with 4 Positive Shut-off Hoses, 50 lb Cylinder
- 053 Drier Supplied
- Built-in Sight Glass

#### Applications

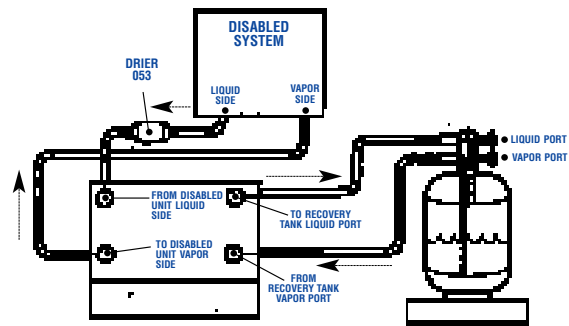
- Commercial A/C
- Commercial Refrigeration
- Roof Top Units
- Ice Machines
- Residential A/C
- Appliances

#### Specifications

*Power:*  
7.70A, 115V, 60 HZ, 1PH  
*Unit Weight:* 48 lbs.  
*Shipping Weight:* 59 lbs.  
*Dimensions:*  
12"H x 15"W x 12"D  
*Connections:* 3/8" MFL  
*Oil Charge:*  
150 Alkyl Benzene

### FF1/FF1UL Recovery Diagram

- Liquid flows from the disabled unit liquid side to the inlet of the FF1 marked "FROM DISABLED UNIT LIQUID SIDE."
- It is discharged out of the FF1 outlet valve marked "TO RECOVERY TANK LIQUID PORT" into the liquid port of the recovery cylinder.
- The vapor side of the disabled system is pressurized by the outlet valve marked "TO DISABLED UNIT VAPOR SIDE."
- The recovery cylinders internal pressure is reduced by pulling vapor off the top through the inlet valve marked "FROM RECOVERY TANK VAPOR PORT."
- This allows the refrigerant to flow freely into the cylinder.



RATED IN ACCORDANCE WITH ARI STANDARD 740-98



REFRIGERANT GROUPS	PUSH/PULL LIQUID REFRIGERANT	VAPOR REFRIGERANT	SHUT-OFF VACUUM
GR III	10.50 lbs./min	.48 lbs./min	10"
GR IV	8.40 lbs./min	.50 lbs./min	10"

\* May not be applicable for all refrigerant blends. Consult factory for proper application.