

REFRIGERANT LISTING

ASPENrefrigerants.com

1.800.473.3766



TYPE	CHEMICAL NAME OR COMPONENTS	CONTAINER SIZES (lbs.)
CFC: EPA Technician Certification required to purchase CFC refrigerants		
R-11	Trichlorofluoromethane	100, 200, 650, 1000, 2200
R-12	Dichlorodifluoromethane	30, 50, 145, 1000, 2000
R-13	Chlorotrifluoromethane	9, 23, 80
R-13B1	Bromotrifluoromethane	10, 50, 150, custom
R-113	Trichlorotrifluoroethane	100, 200, 690
R-114	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	150, 2200
R-500	Dichlorodifluoromethane, Difluoroethane	30, 50, 125, 1000, 1750
R-502	Chlorodifluoromethane, Chloropentafluoroethane	30, 50, 125, 1000, 1750
R-503	Chlorotrifluoromethane, Trifluoromethane	9, 20, 70, 80, 1200
HCFC: EPA Technician Certification required to purchase HCFC refrigerants		
R-22	Chlorodifluoromethane	30, 50, 125, 1000, 1750
R-123	Dichlorotrifluoroethane	100, 200, 630, 2200
R-124	1-Chloro-1,2,2,2-Tetrafluoroethane	30, 145, 1750, 2000
R-401A	Chlorodifluoromethane, Chlorotetrafluoroethane	30, 125, 1700
R-401B	Chlorodifluoromethane, Chlorotetrafluoroethane	30, 125, 1700
R-402A	Chlorodifluoromethane, Pentafluoroethane	27, 110
R-402B	Chlorodifluoromethane, Pentafluoroethane	13
R-408A	Trifluoroethane, Chlorodifluoromethane	24, 100
R-409A	Chlorodifluoromethane, Chlorotetrafluoroethane	30, 125
R-412A	Chlorodifluoromethane, 1-Chloro-1,1-Difluoroethane and Octafluoropropane	4.4
R-416A	1-Chloro-1,2,2,2-tetrafluoroethane, 1,1,1,2-Tetrafluoroethane	25, 125
HFC: EPA Technician Certification required to purchase as of 1/1/2018		
R-14	Tetrafluoromethane	15, 70
R-23	Trifluoromethane	9, 20, 70
R-116	Hexafluoroethane	26, 90, 95
R-134a	1,1,1,2-Tetrafluoroethane	30, 125, 1000, 1750
R-236fa	1,1,1,3,3,3-Hexafluoropropane	145
R-245fa	1,1,1,3,3-Pentafluoropropane	30
R-404A	Pentafluoroethane, 1,1,1,2-Tetrafluoroethane, Trifluoroethane	24, 100, 800, 870, 1300
R-407A	Difluoromethane, Pentafluoroethane, 1,1,1,2-Tetrafluoroethane	25, 100, 115
R-407C	Difluoromethane, Pentafluoroethane, 1,1,1,2-Tetrafluoroethane	25, 115, 1550
R-407F	Difluoromethane, Pentafluoroethane, 1,1,1,2-Tetrafluoroethane	25, 115
R-410A	Pentafluoroethane, Difluoromethane	25, 100, 850, 1350, 1450
R-417A	1,1,1,2-Tetrafluoroethane, Pentafluoroethane	25
R-421A	1,1,1,2-Tetrafluoroethane, Pentafluoroethane	25, 110
R-422A	1,1,1,2-Tetrafluoroethane, Pentafluoroethane	24, 100
R-422D	1,1,1,2-Tetrafluoroethane, Pentafluoroethane	25, 110
R-427A	1,1,1,2-Tetrafluoroethane, Pentafluoroethane	25, 100
R-437A	1,1,1,2-Tetrafluoroethane and Pentafluoroethane	30
R-438A	Difluoromethane, Pentafluoroethane, 1,1,1,2-Tetrafluoroethane, n-Butane, Isopentane	25, 110
R-507	Pentafluoroethane, Trifluoroethane	25, 100, 800, 840, 1400
R-508A	Trifluoromethane, Hexafluoroethane	4.4
R-508B	Trifluoromethane, Hexafluoroethane	10, 20, 70
HFO: NO EPA Technician Certification needed to purchase HFO refrigerants		
R-1233zd	Trans-1 Chloro-3,3,3-Trifluoropropene	10, 100, 1900
R-1234ze	Trans-1,3,3,3-Tetrafluoroprop-1-ene	20, 110
R-1234yf*	2,3,3,3-Tetrafluoroprop-1-ene	10, 25
R-448A	Pentafluoroethane, Difluoromethane, 1,1,1,2-Tetrafluoroethane	25, 100
R-449A	1,1,1,2-Tetrafluoroethane, 2,3,3,3-Tetrafluoropropene, Pentafluoroethane, Difluoromethane	25, 110
R-450A	Trans-1,3,3,3-Tetrafluoroprop-1-ene, 1,1,1,2-Tetrafluoroethane	110
R-452A	Pentafluoroethane, 2,3,3,3-Tetrafluoropropene, Difluoromethane	25, 110
R-513A	2,3,3,3-Tetrafluoropropene, 1,1,1,2-Tetrafluoroethane	30, 125

*EPA Mobile certification needed to purchase.



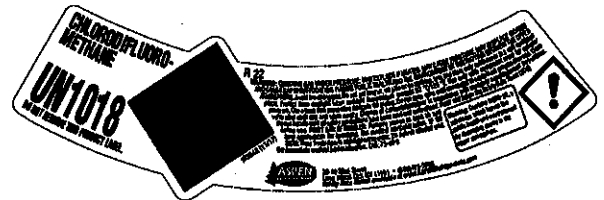
REFRIGERANT RETURN INSTRUCTIONS

Enclosed are labels to use when shipping recovered refrigerants to ASPEN Refrigerants, Inc.

- **Bill of lading and Packing List Envelope:** (*If not enclosed, a BOL will be emailed or faxed to you). Place one copy of the bill of lading inside the provided envelope (marked packing list enclosed) with the Consignee Address showing. Affix the envelope, with the address visible, on the outside of one of the pallets. The driver will take one copy at the time of the pickup and customer (shipper) keeps the third copy.
- **Non-flammable Labels:** Attach two, green, diamond shaped, non-flammable labels to the outside of each pallet. These labels must be visible to the DOT approved carriers.
- **Recovered Refrigerant Product Labels:**
 - When returning a shipment with multiple refrigerant types a Recovered Refrigerant label must be affixed to each recovery cylinder, identifying the refrigerant type. See sample of label below for R22 refrigerant.



Non-flammable label



Product Label

When you have recovered refrigerant cylinders palletized and ready for shipment please call 800-473-3766 or email ARI-ReKlaim@aspenrefrigerants.com. We will email you a bill of lading based on your cylinder breakdown. We will also contact the freight carrier for pick up.

Thank you for allowing us the opportunity to work with you.

ASPEN Refrigerants, Inc.

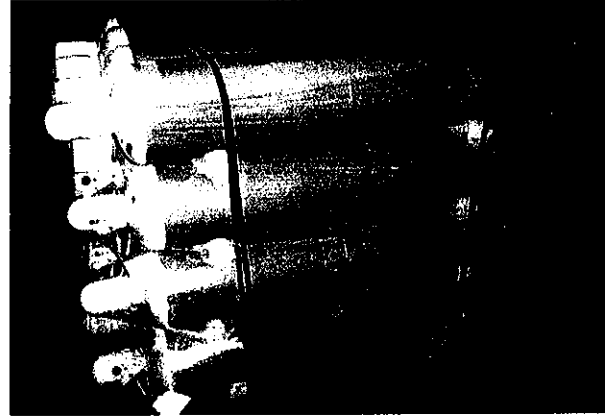
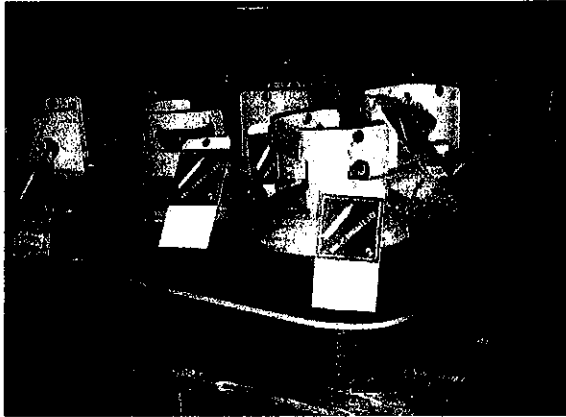
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ASPEN Refrigerants, Inc.
38-18 53rd Street
Long Island City, NY 11101



Instructions for palletizing recovery cylinders for shipment to ASPEN

Our objective is to ensure that all cylinders shipped to ASPEN Refrigerants are secure in transit.



Wood Pallet-Banding

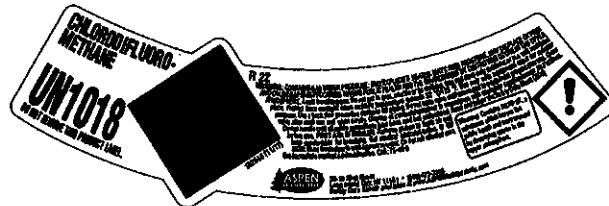
- Stand 30#, 50# and 250# recovery cylinders upright.
- Lay the 125# recovery cylinders on their side and stack
- Band the cylinders to the wooden pallet to secure cylinders for shipment

Wood Pallet- Shrink Wrap

- Stand 30#, 50# and 250# recovery cylinders upright.
- Lay the 125# recovery cylinders on their side and stack
- Use shrink wrap to secure the cylinders to the wooden pallet for shipment

When using either method involving a wooden pallet (option 1 and 2 above) the cylinder body labels that identify the contents may not be visible. So when using a wooden pallet it is necessary to also:

1. Affix green Non-Flammable Gas 4" X 4" diamond on two sides of the pallet (sample below)
2. Affix the appropriate refrigerant type label to each recovery cylinder (sample R22 label)



To arrange for pick up or to order empty recovery cylinders, please call 678-985-6343 or email ARI-ReKlaim@aspenrefrigerants.com

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