



# REFRIGERANT CATALOG 2019





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**Warranty**

iGas USA certifies and warrants that all refrigerant sold by iGas USA are tested to AHRI-700. All other products sold by iGas USA are warranted to be free of defect. If you receive a product you believe to be defective, kindly notify our office and a return authorization will be furnished. Upon inspection, if the product is indeed found to be defective, a replacement of equal or greater value will be sent. This warranty will be in effect for one year from original date of purchase. The product must be free of damage due to owner/operator misuse/damage or negligence.



# COOLMASTER R410A

**R410A** is a blend of R-32 and R-125 that is 60% higher pressure than R-22 for air conditioning applications and should only be used in new equipment specifically designed to handle the pressure. Systems that are designed for R410A will have smaller components to perform the same cooling job as R-22. Will require POE lubricants. Retrofitting R-22 equipment is not recommended under any circumstances.

## Refrigerant Composition

50% R-32 | 50% R-125 wt%

## Primary Use

Residential and commercial air conditioning

## Available in the Following Sizes

- 25 lb. cylinder
- 100 lb. cylinder
- 850 lb. cylinder



# R404A COOLMASTER

**R404A** is a blend of R-125, R-143a and R-134a to take place of R502. It is intended for low and medium temperature refrigeration applications. Most new supermarkets and refrigeration equipment are built for an HFC such as R404A. R404A has lower pressure than R502. Requires polyester lubricant. If retrofitting existing equipment, the original oil must be replaced with POE.

## Refrigerant Composition

44% R-125 | 52% R-143a | 4% R134a wt%

## Primary Use

R-22 replacement, low/med temperature refrigeration

## Available in the Following Sizes

- 24 lb. cylinder
- 100 lb. cylinder
- 850 lb. cylinder





# COOLMASTER BMP407C

**BMP407C** is a blend of R-32, R-125 and R-134a with 5% POE oil included. It has similar properties to R-22 in air conditioning equipment, being the closest property match to R-22 in air conditioning retrofit project compared to other blends. BMP407C is used in medium temperature R-22 refrigeration systems. Systems retrofitted from R-22 systems would need the residual oil flushed with POE.

## 95% Refrigerant Composition

23% R-32 | 25% R-125 | 52% R134a wt%  
5% POE Oil added

## Primary Use

R-22 replacement, air conditioning

## Secondary Use

Low/med temperature refrigeration

## Available in the Following Sizes

- 25 lb. cylinder
- 115 lb. cylinder
- 925 lb. cylinder



# R407C COOLMASTER

**R407C** is a blend of R-32, R-125 and R-134a with similar properties to R-22 in air conditioning equipment, being the closest property match to R-22 in air conditioning retrofit project compared to other blends. R407C is used in medium temperature R-22 refrigeration systems. New systems for R407C must have POE lubricants and retrofitted R-22 systems would need the residual oil flushed with POE.

## Refrigerant Composition

23% R-32 | 25% R-125 | 52% R134a wt%

## Primary Use

R-22 replacement, air conditioning

## Secondary Use

Low/med temperature refrigeration

## Available in the Following Sizes

- 25 lb. cylinder
- 115 lb. cylinder
- 925 lb. cylinder





# COOLMASTER R407A

**R407A** is a blend of R-32, R-125 and R-134a with similar properties to R-22. It is used for low and medium temperature refrigeration applications. R407A has the closest property match to R-22 for low temperature retrofit projects compared to other blends. New systems built with R407A must have POE lubricants, and retrofitted R-22 systems need the residual oil changed to POE.

## Refrigerant Composition

20% R-32 | 40% R-125 | 40% R134a wt%

## Primary Use

R-22 replacement, low/med temperature refrigeration

## Available in the Following Sizes

- 25 lb. cylinder
- 110 lb. cylinder
- 925 lb. cylinder



# R507 COOLMASTER

**R507** is a blend R-125 and R-143a intended for low and medium temperature refrigeration systems. It is similar to R404A in usage and most new equipment has been rated to use either blend. There is slightly higher pressures and capacity with R507 than R404a. Requires POE lubricant, which is usually charged into new equipment. If retrofitting existing equipment, the original oil must be replaced with POE.

## Refrigerant Composition

50% R-125 | 50% R-143a wt%

## Primary Use

R-22 replacement, low/med temperature refrigeration

## Available in the Following Sizes

- 25 lb. cylinder
- 100 lb. cylinder
- 850 lb. cylinder





# COOLMASTER R134a

**R134a** has become the standard refrigerant choice for household appliances, small self-contained refrigeration units, large chillers, and automotive air conditioning. R134a is also a common blending component. Requires POE lubricant to be used in the compressor.

## Refrigerant Composition

99.9% 1,1,1,2-tetrafluoroethane

## Primary Use

Automotive air conditioning

## Secondary Use

Medium temperature refrigeration

## Available in the Following Sizes

- 30 lb. cylinder
- 125 lb. cylinder
- 1,000 lb. cylinder



# 12oz R134a COOLMASTER

**R134a** has become the standard refrigerant choice for household appliances, small self-contained refrigeration units, large chillers, and automotive air conditioning. R134a is also a common blending component. Requires POE lubricant to be used in the compressor.

## Refrigerant Composition

99.9% 1,1,1,2-tetrafluoroethane

## Primary Use

Automotive air conditioning

## Secondary Use

Medium temperature refrigeration

## Available in the Following Sizes

- 12 oz. can
- 1 kg. can





# COOLMASTER R-22

**R-22** has been the dominant refrigerant in residential and commercial air conditioning and large chillers for air conditioning and industrial process cooling. R-22 has been subject to reduced production and restriction in new equipment since 2010, and production of the refrigerant is to end in 2020. The use of R-22 is allowed until the R-22 supply has been depleted.

## Refrigerant Composition

100% Chlorodifluoromethane

## Primary Use

Refrigeration and air conditioning; commercial and residential

## Available in the Following Sizes

- 30 lb. cylinder
- 110 lb. cylinder



# iGAS LABORATORY



iGas USA Laboratory Refrigerant Testing meets analytical provisions mandated in Section 608 of the Clean Air Act. iGas USA Laboratory tests to the latest version of the AHRI-700 standard.



# BULK CYLINDERS

iGas USA offers bulk cylinders in the following capacities: 100lb, 850lb and ISO tanks.  
The following gases will fill the cylinders with the following weights\*:

Gas	Weight/lb of 100lb Cyl.	Weight/lb of 850lb Cyl.
R410a	100	850
R407c	115	925
R404a	110	850
R407a	110	925
R507	100	850
R134a	125	1,000
R22	125	1,000

\*The weight of the gas will determine the total weight of the cylinder. Special fill quantities are available upon request. Weights of the 1450 lb. cylinder are not included on the chart due to the rarity of the cylinder being ordered but are available upon request.

100 lb. cylinder



850 lb. cylinder



ISO Tank



All orders will require a refundable security deposit for each cylinder. The customer is not required to return the cylinder if they like. If the customer chooses to keep the cylinder, iGas USA will retain the deposit. All prices quoted include freight cost to the customer in the continental USA. The customer will be responsible to pay the freight cost to return the cylinder to iGas USA. If the customer is returning 12 or more cylinders, iGas USA will pay the freight back to iGas USA. Cylinders are shipped on pallets, strapped and shrink wrapped. Deposit costs are \$150.00 per 100lb cylinders, \$250.00 per rack and \$1,250.00 per 850lb cylinders.



# TERMS & CONDITIONS

1. Payment terms are 1%-10 days or Net 30 days. Add 1-1/2 per month service charge on all delinquent accounts.
2. All prices and/or designs are subject to change without notice.
3. All claims for shortage, damage, etc. must be noted on the bill of lading.

## POLICIES

### **RETURN POLICY**

1. No merchandise will be accepted for return without prior written approval from iGas USA
2. No returns after 60 days
3. No returns on special, custom or non-stock items
4. All returned products are subject to a 20% restocking fee

### **FREIGHT POLICY**

1. Refrigerant full pallet order (40 cylinders) is free freight allowed (FFA) anywhere in the continental US
2. All HVAC components ship free along with any FFA refrigerant order placed
3. Refrigerant types can be mix and matched on single pallet orders with a minimum of 40 cylinders per pallet
4. Non-refrigerant orders are \$1,000.00 minimum for FFA

### **SALES POLICY**

1. Minimum invoice charge is \$50.00
2. Orders typically ship within 72 hours upon receipt
3. Order confirmations are always sent. If you fail to receive one, kindly advise our office.