

SPX

ROBINAIR

VACUUM PUMPS



Vacuum pumps designed and built to withstand rugged, everyday use!

- Power and capacity for a wide range of service applications.
- High CFM rating for fast, thorough evacuation.
- Two-stage rotary vane design.
- Uses standard 110-volt power source.

A vacuum pump that's fast and thorough saves you not only time, but also the expense of callbacks and dissatisfied customers.

Robinair pumps are engineered specifically to meet the needs of the kind of A/C work you're doing today, and to give you trouble-free operation. We've put our years of experience and know-how into developing pumps that help you do the job faster and better.

Laboratory tests show that Robinair vacuum pumps consistently out-perform other major brands. Our Model 15600 reached a vacuum of 600 microns in 60 minutes, while the competitions' pumps took more than two hours to reach the same micron level.

Not only are Robinair pumps lighter in weight, they use less oil, which means that your maintenance costs will be much lower over the life of the pump.

The Importance of Deep Vacuum

The purpose of a vacuum pump is to remove moisture and air from an A/C-R system.

Modern systems are built tighter and charges are more critical. That means these systems have a greater sensitivity to moisture and other contaminants, making thorough evacuation more important than ever before.

Moisture in a refrigeration system, directly or indirectly, is the cause of most problems and complaints. First, moisture can cause freeze-up in a system. Moisture is picked up by the refrigerant and transported through the refrigerant line in a fine mist, with ice crystals forming at the point of expansion.

"Freeze Up" is not the only problem caused by moisture. It can also result in corrosion, the effects of which are not apparent until the real damage has occurred. Moisture alone is bad enough, but combined with refrigerants containing chlorine, hydrochloric acids can form. These greatly increase the corrosion of metals.

Also, refrigerant oil rapidly absorbs moisture. Water-formed acids combine with the refrigerant, forming a closely bonded mixture of fine globules. The effect is called sludging and it greatly reduces the lubricating ability of the oil.

A vacuum pump removes troublesome moisture by lowering the pressure within the system and vaporizing (or boiling off) the moisture, then exhausting it along with air.

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COOLTECH

Model 15120A
10 CFM

Model 15234
1.2 CFM

Model 15600 – 6 CFM
Model 15400 – 4 CFM
Model 15434 – 4 CFM

The image displays three different models of CoolTech vacuum pumps. Each pump is white with blue accents and a blue handle. They are arranged in a cluster, with the largest model (15600) at the bottom and two smaller models (15120A and 15234) above it. The background is a gradient of blue and yellow.

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VacuMaster®

HIGH PERFORMANCE VACUUM PUMP

Model 15150 – 1.5 CFM

Model 15500 – 5 CFM

The image displays two different models of VacuMaster vacuum pumps. Both pumps are white with red accents and a red handle. They are arranged vertically, with the smaller model (15150) at the top and the larger model (15500) at the bottom. The background is a gradient of red and yellow.

CoolTech® Vacuum Pumps

Model	Free Air Displacement	Factory Micron Rating	No. of Stages	Intake Fitting	Oil Capacity	Motor Size	Voltage	Approvals	Weight	Dimensions
Domestic Models										
15234	1.2 CFM	50 microns	2	1/4" MFL and 1/2" ACME	5 oz. (148ml)	1/8 hp	115V 50/60 Hz	UL	10 lbs. (4.5kg)	8.5" H x 4.3" W x 9.5" L 215mm x 108mm x 240mm
15400	4 CFM	20 microns	2	1/4" MFL and 1/2" MFL	15 oz. (445ml)	1/3 hp	115V 60 Hz	UL	27 lbs. (12.2 kg)	9.5" H x 5.5" W x 15" L 247mm x 142mm x 381mm
15434	4 CFM	20 microns	2	1/4" MFL and 1/2" ACME	15 oz. (445ml)	1/3 hp	115V 60 Hz	UL	27 lbs. (12.2 kg)	9.5" H x 5.5" W x 15" L 247mm x 142mm x 381mm
15600	6 CFM	20 microns	2	1/4" MFL and 1/2" MFL	15 oz. (445ml)	1/2 hp	115V 60 Hz	UL	27 lbs. (12.2 kg)	9.5" H x 5.5" W x 15" L 247mm x 142mm x 381mm
15120A	10 CFM	20 microns	2	1/4" MFL and 1/2" MFL	17 oz. (500ml)	1/2 hp	115V 60 Hz	UL	38 lbs. (17.2 kg)	10" H x 5.5" W x 16" L 272mm x 142mm x 419mm
International Models										
15226	28 liters/minute	50 microns	2	1/4" MFL and 1/2" ACME	5 oz. (148ml)	1/8 hp	220V 50/60 Hz	CE	10 lbs. (4.5kg)	8.5" H x 4.5" W x 9.5" L 215mm x 108mm x 240mm
15401	93 liters/minute	20 microns	2	1/4" MFL and 1/2" MFL	15 oz. (445ml)	1/3 hp	115V/220-250V 50/60 Hz	CE	27 lbs. (12.2 kg)	9.5" H x 5.5" W x 15" L 247mm x 142mm x 381mm
15424	93 liters/minute	20 microns	2	1/4" MFL and 1/2" ACME	15 oz. (445ml)	1/3 hp	115V/220-250V 50/60 Hz	CE	27 lbs. (12.2 kg)	9.5" H x 5.5" W x 15" L 247mm x 142mm x 381mm
15601	142 liters/minute	20 microns	2	1/4" MFL and 1/2" MFL	15 oz. (445ml)	1/3 hp	115V/220-250V 50/60 Hz	CE	27 lbs. (12.2 kg)	9.5" H x 5.5" W x 15" L 247mm x 142mm x 381mm
15121A	236 liters/minute	20 microns	2	1/4" MFL and 1/2" MFL	17 oz. (500ml)	1/2 hp	115V/220V 50/60 Hz	CE	38 lbs. (17.2 kg)	10" H x 5.5" W x 16" L 272mm x 142mm x 419mm

Two pump families that fit your needs!

CoolTech™ Pumps	●	●	●	●	●
	Heavy-Duty Motor	Two-Stage Design	Offset Rotary Vanes	Iso-Valve™	Gas Ballast
VacuMaster® Pumps	●	●			

VacuMaster™ Vacuum Pumps

Model	Free Air Displacement	Factory Micron Rating	No. of Stages	Intake Fitting	Oil Capacity	Motor Size	Voltage	Approvals	Weight	Dimensions
Domestic Models										
15150	1.5 CFM	50 microns	2	1/4" MFL, 3/8" MFL, 3/8" FFL X 1/2" ACME adptr.	7.5 oz. (220ml)	1/4 hp	115V 60Hz	UL	21 lbs.(9.6 kg)	9.5" H x 4.5" W x 12.5" L 240mm x 120mm x 315mm
15500	5 CFM	40 microns	2	1/4" MFL, 3/8" MFL, 3/8" FFL X 1/2" ACME adptr.	7.5 oz. (220ml)	1/3 hp	115V 60Hz	UL	28 lbs. (12.5 kg)	10" H x 5" W x 13" L 255mm x 123mm x 336mm
15300	3 CFM	40 microns	2	1/4" MFL, 3/8" MFL, 3/8" FFL X 1/2" ACME adptr.	7.5 oz. (220ml)	1/3 hp	115V 60Hz	UL	28 lbs. (12.5 kg)	10" H x 5" W x 13" L 255mm x 123mm x 336mm
International Models										
15151	35 liters/minute	50 microns	2	1/4" MFL, 3/8" MFL, 3/8" FFL X 1/2" ACME adptr.	7.5 oz. (220ml)	1/4 hp	220V 50 Hz	CE	21 lbs. (9.6 kg)	9.5" H x 4.5" W x 12.5" L 240mm x 120mm x 315mm
15301	71 liters/minute	40 microns	2	1/4" MFL, 3/8" MFL, 3/8" FFL X 1/2" ACME adptr.	7.5 oz. (220ml)	1/3 hp	220V 50 Hz	CE	28 lbs. (12.5 kg)	10" H x 5" W x 13" L 255mm x 123mm x 336mm
15501	118 liters/minute	40 microns	2	1/4" MFL, 3/8" MFL, 3/8" FFL X 1/2" ACME adptr.	7.5 oz. (220ml)	1/3 hp	220V 50 Hz	CE	28 lbs. (12.5 kg)	10" H x 5" W x 13" L 255mm x 123mm x 336mm

Vacuum Pump Oil



Vacuum pump performance depends on the quality and purity of the vacuum pump oil. Robinair pump oil starts with a lower moisture content and holds up under high temperatures.

No. 13119 – Pint Bottle, 12 per case

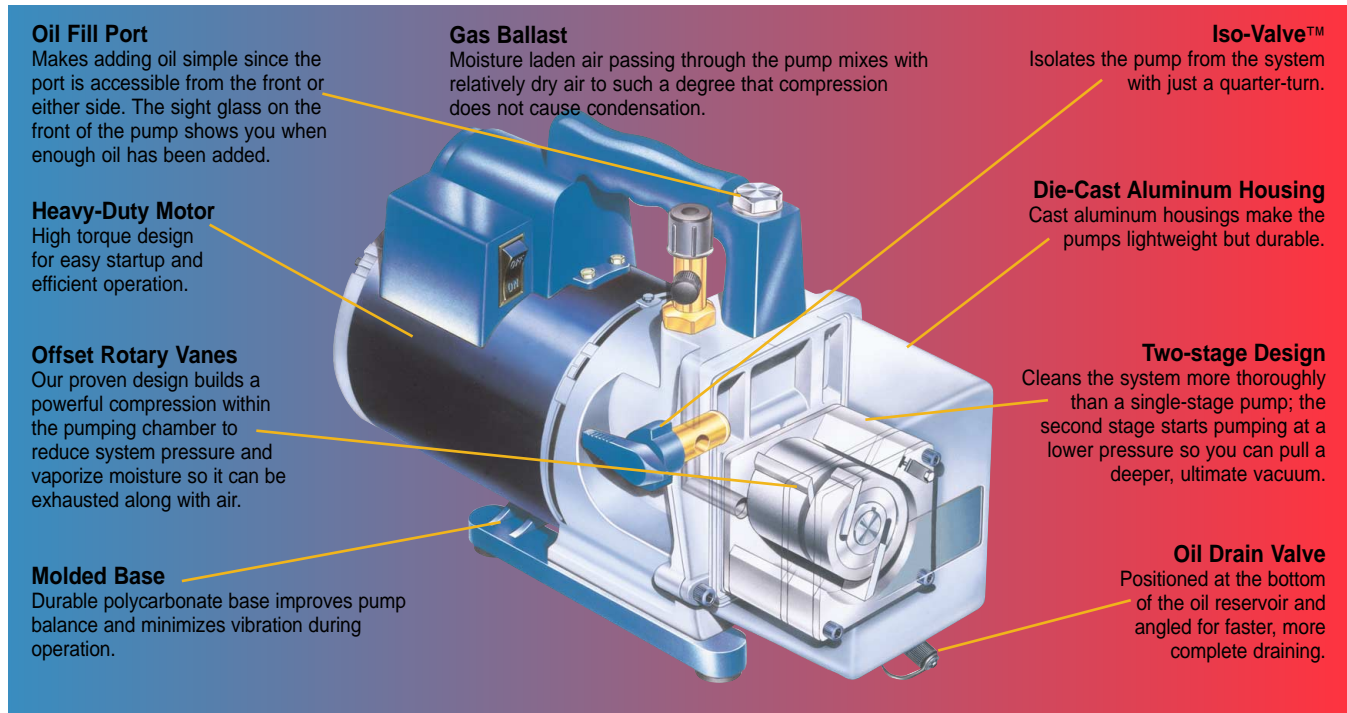
No. 13203 – Quart Bottle, 12 per case

No. 13204 – Gallon Bottle, 4 per case

No. 17191 – Oil Spout for quart bottle, 10" long

It's what's inside that counts! Take a look at the features that make Robinair vacuum pumps easy to use.

All Robinair pumps are backed by our exclusive "No Hassle" over-the-counter replacement warranty. You can return a pump to your Robinair distributor for an immediate exchange — with no hassle! (In U.S. and Canada only; in other locations, see your Robinair distributor.)



Oil Fill Port

Makes adding oil simple since the port is accessible from the front or either side. The sight glass on the front of the pump shows you when enough oil has been added.

Gas Ballast

Moisture laden air passing through the pump mixes with relatively dry air to such a degree that compression does not cause condensation.

Iso-Valve™

Isolates the pump from the system with just a quarter-turn.

Heavy-Duty Motor

High torque design for easy startup and efficient operation.

Die-Cast Aluminum Housing

Cast aluminum housings make the pumps lightweight but durable.

Offset Rotary Vanes

Our proven design builds a powerful compression within the pumping chamber to reduce system pressure and vaporize moisture so it can be exhausted along with air.

Two-stage Design

Cleans the system more thoroughly than a single-stage pump; the second stage starts pumping at a lower pressure so you can pull a deeper, ultimate vacuum.

Molded Base

Durable polycarbonate base improves pump balance and minimizes vibration during operation.

Oil Drain Valve

Positioned at the bottom of the oil reservoir and angled for faster, more complete draining.

	Oil Fill Port	Heavy-Duty Motor	Two-Stage Design	Molded Base	Die-Cast	Oil Drain Valve	Offset Rotary Vanes	Iso-Valve™	Gas Ballast
CoolTech™ Pumps	●	●	●	●	●	●	●	●	●
VacuMaster® Pumps	●	●	●		●	●			

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