DOUBLE-STAGE VACUUM PUMP
USER GUIDE

VPX-240/260/300-R32

Carefully read these instructions before using the product and keep them in a safe place for future reference.

DOUBLE-STAGE VACUUM PUMP

1• PREAMBULE

Thank you for purchasing a vacuum pump from the VPX series. We are committed to providing you with a high-quality product. Carefully check that the product you ordered has been delivered in good condition, with the appropriate accessories and without any visible damage. For any claim, immediately contact your supplier or our customer service at contact@deck912.com

⚠ WARNING

To ensure the long-term quality of the product, please carefully read this user manual before each installation, handling, repair, or maintenance operation in order to fully understand the safety instructions, technical parameters, and operating modes of the pump.

2• SAFETY INSTRUCTIONS

⚠ WARNING

2.1 To ensure the integrity of the pump, always select the accessories and charger supplied by the manufacturer.
2.2 VPX pumps must under no circumstances be used to recover or transfer flammable, explosive, or toxic gases.
2.3 Likewise, do not use to extract corrosive gases or gases that may chemically react with the pump oil.
2.4 The temperature of the air/gas drawn into the pump must not exceed 80°C and the ambient temperature must be between 0°C and 50°C.
2.5 Do not operate the pump without oil or with a quantity lower than required.
2.6 Do not use in rainy conditions. Water could quickly cause damage to the pump.t rapidement entrainer

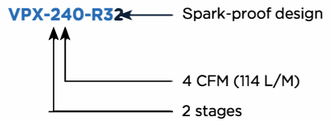
DOUBLE-STAGE VACUUM PUMP

3• INSTRUCTIONS

3 .1 Overview

VPX pumps are essential tools for evacuating HVAC/R installations. They are perfectly suited for refrigeration and air conditioning equipment using common and new generation refrigerants.

3 .2 Technical data



⚠ NOTE :

Models with -R32 in the designation indicate that the spark-proof design allows their use in environments where flammable or partially flammable gases are present (R32, R600A, R290, R1234yf…).

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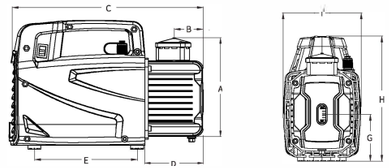
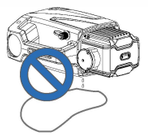


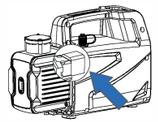
Model	A	B	C	D	E	F	G	H	I
VPX-240/260/300	173	45	334	110	176	60	83	225	140

Model	VPX-240-R32	VPX-260-R32	VPX-300-R32
Power	230V-/50-60Hz 115V- 60Hz	230V-/50-60Hz 115V- 60Hz	230V-/50-60Hz 115V- 60Hz
Primary vacuum	15 micron	15 micron	15 micron
Power	1/3cv	1/2cv	1cv
Flow rate	4 CFM 114 L/M	6 CFM 170L/M	10 CFM 282L/M
Oil capacity	450ml	450ml	315ml
Dimensions	345x140x225	345x140x225	345x140x225
Net weight	6,7kg	7,0kg	8,2kg

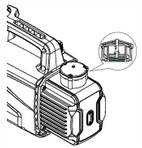
3.3 Features



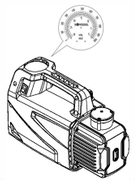
Oil leak-proof design



Integrated solenoid valve



Oil mist prevention design



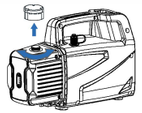
Vacuum gauge integrated on top

4• OPERATION

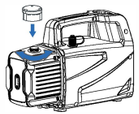
4.1 Preliminary checks

Always check before use that the product and its accessories are in good condition and that there are no traces of oil at the bottom of the packaging box.

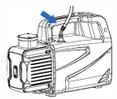
4.2 Procedure



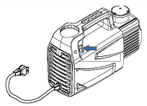
1. Unscrew and remove the cap.



2. Fill the oil reservoir up to ¾ of the sight glass, then screw the exhaust cap back on without overtightening.



3. Connect the hose from the equipment to either the 1/4'' or 3/8'' port.



4. Connect the power supply and press ON.

5• MAINTENANCE

- Check the oil level before each use. If the level is too low, fill with new oil. We recommend ISO-46 oil (ref. 3001300) available from all LINSTRUMENT distributors.
- If the oil contains particles and/or has a very dark color, drain the pump and completely replace the oil.
- To change the oil, first unscrew the plug located under the oil reservoir and drain the pump. Once this operation is complete, screw the plug back on and unscrew the exhaust cap on top of the reservoir. Slowly pour oil into the reservoir and monitor until the oil level stabilizes at the mark. Then screw the exhaust cap back on.

6• TROUBLESHOOTING

PROBLEM	CAUSE	ACTION
Poor vacuum performance	Insufficient oil level	Fill to the proper level
	Oil is contaminated	Drain the pump
	Oil inlet is blocked or insufficient	Clean the inlet filter
	Oil leak	Check the sealing of the reservoir and inlet fittings
	Insufficient performance	The pump is undersized compared to the installation size. Select a more powerful pump
	Components show significant wear due to intensive or long-term use	Send the pump for repair. Contact the LINSTRUMENT distributor

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