



**24 month
warranty**

***Tested to 25 Microns
ensuring a deep
vacuum**

**O-ring sealed easy
open drain valve
prevents unwanted
leaks**

**½ HP, capacitor start
with thermal overload
protected motor is
powerful to get any
job done quickly**

**Low Profile Rocker
Switch to avoid
inadvertently shutting
off power**

Best Value in the Industry

Built for the Air Conditioning Serviceman who wants a high quality, dependable vacuum pump, the Eliminator™ Series offers many higher end features without the higher end price. American made, 100% tested to JB's stringent quality standards, backed by an unparalleled **24 month over-the-counter warranty, the Eliminator™ is the best value vacuum pump in the industry.

Our International Series (models ending in -250) operate with ½ HP, 230 volt, 50 Hz motor

A dual voltage motor is also available upon request

Break resistant steel handle with cushioned cool grip for easy portability

Check valve prevents oil backflow during power failure

2 Stage Direct Drive achieves a deeper vacuum

Wide stance four point base is heavy duty to prevent overturning

Brass fittings make for superior quality

Models are available in 3, 4, or 6 CFM to meet any application

Large, easy to see sight glass ensures oil level is always visible



made in the USA

Scratch resistant powder painted cover and trap for durability

Completely field repairable, rendering less down time so you can get the job done

To check vacuum accurately, use the DV-22N (see page 29).

Operating instructions available on our website at www.jbind.com

*One Micron On A U-Tube Manometer. 25,400 Microns = 1"

**Subject to warranty as set forth on the last page of the catalog and warranty and terms and conditions of sales set forth at www.jbind.com

CFM (l/m)	Part No.	*Oil Capacity	Intake Ports (Male Flare)	Shipping Weight
3 (85)	DV-3E	13 oz. (385 cc)	1/4" x 3/8"	29 Lbs / 13.1 kg
4 (113)	DV-4E	18 oz. (533 cc)	1/4" x 3/8"	30 Lbs / 13.6 kg
6 (170)	DV-6E	18 oz. (533 cc)	1/4" x 3/8"	30 Lbs / 13.6 kg



Domestic pumps operate with a 1/2 HP, 115 volt, 60HZ, 1725 RPM motor

Available with European or UK cords.

CFM (l/m)	Part No.	*Oil Capacity	Intake Ports (Male Flare)	
50 HZ - 4.2 CFM (119 l/m)	DV-3E-250	13 oz. (385 cc)	1/4" x 3/8"	31 Lbs / 14.1 kg
50 HZ - 5.8 CFM (167 l/m)	DV-4E-250	18 oz. (533 cc)	1/4" x 3/8"	31 Lbs / 14.1 kg
50 HZ - 8.3 CFM (237 l/m)	DV-6E-250	18 oz. (533 cc)	1/4" x 3/8"	31 Lbs / 14.1 kg



The -250 models are available with a dual voltage (115/230, 50/60 Hz) motor upon request.

Available with European or UK cords.

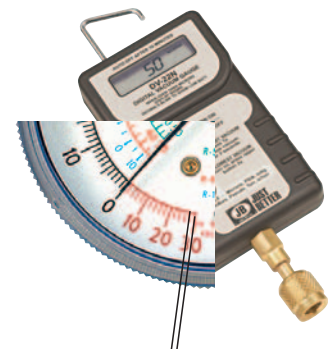
*Top level of oil while pump is running

Operating Temp = 150°F ± 18°F (60°C ± 10°C)

For repair parts please refer to the "Repair Parts" Section beginning on page 58, or visit our website at www.jbind.com

How to measure evacuation

A micron is a unit of pressure starting from a perfect vacuum (no pressure) expressed in linear increments. One inch equals 25,400 microns. That last inch of pressure below zero on the low side compound gauge (see illustration) is 25,400 microns. A compound gauge only indicates that a vacuum is being produced, but does not reveal if moisture or contaminants are still in the system. Evacuation is complete when a system holds 500 microns to ensure that dehydration is complete. Therefore there is a small, fraction of an inch difference between a complete evacuation and an inadequately evacuated system. A compound gauge cannot measure this pressure at these levels accurately. Only a vacuum gauge, like the DV-22N, can accurately read the low pressure produced when evacuation/ dehydration is complete. See page 29 for details on JB's DV-22N vacuum gauge.

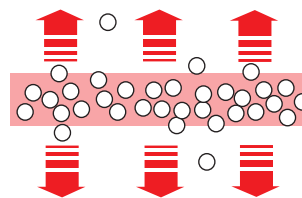


The last inch of pressure, as indicated on the gauge, is 25,400 microns

Direction of Permeation Through Hose Wall

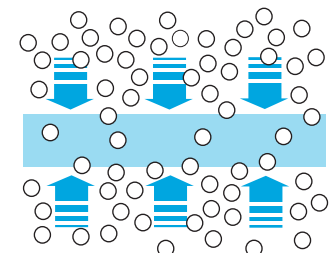
Even with the advanced technology of today's hoses, permeation through the hose compound still exists.

When checking pressure rise, the atmosphere will permeate to the lower pressure in the hoses and the micron reading will slowly rise.



Charging System

Gas under pressure in the hose will permeate to the lower pressure of the atmosphere



Evacuation

The atmosphere which has a higher pressure permeates to the lower pressure in the hose.