

POWEREX™



| Industrial Vacuum Systems

Lubricated Rotary Vane Pump



Our industrial vacuum tank mount systems feature a lubricated rotary vane pump, one of the simplest and most reliable pump types available. The use of oil in the pump produces higher efficiencies, lower operating temperatures, and lower sound levels. These pumps are also the most suitable for high ambient temperatures, which makes them ideal for manufacturing or process applications where environmental temperatures tend to be higher. The lubricated rotary vane pumps have the lowest initial cost and high ultimate vacuum levels. By tank mounting the pumps on an ASME air receiver and adding a UL listed NEMA 1 control panel, Powerex has designed systems that are perfect for applications like material handling, packing, pharmaceutical, food processing, printing, environmental, gas generation, petrochemical, laboratories, instrumentation, chemical processing, and manufacturing.



Systems Specifications

IBVS – Simplex Systems

| Model | SCFM @ 19" Hg | SCFM @ 0" Hg | HP | Tank Size (gal) |
|---------|---------------|--------------|-----|-----------------|
| IBVS015 | 7 | 18 | 1.5 | 30 V/60 V |
| IBVS020 | 11 | 28 | 2 | 60 V |
| IBVS030 | 17 | 45 | 3 | 80 V |
| IBVS040 | 25 | 71 | 5 | 80 H |
| IBVS050 | 37 | 103 | 5 | 80 H |
| IBVS075 | 52 | 141 | 7.5 | 120 H |
| IBVS100 | 77 | 212 | 10 | 120 H/200 H |

IBVD – Duplex Systems

| Model | SCFM @ 19" Hg | SCFM @ 0" Hg | Total HP | Tank Size (gal) |
|---------|---------------|--------------|----------|-----------------|
| IBVD015 | 14 | 36 | 3 | 80 H |
| IBVD020 | 22 | 56 | 4 | 80 H |
| IBVD030 | 34 | 90 | 6 | 80 H/120 H |
| IBVD040 | 50 | 142 | 10 | 120 H |
| IBVD050 | 74 | 206 | 10 | 120 H/200 H |
| IBVD075 | 104 | 282 | 15 | 200 H |
| IBVD100 | 154 | 424 | 20 | 200 H/240 H |

Standard Features

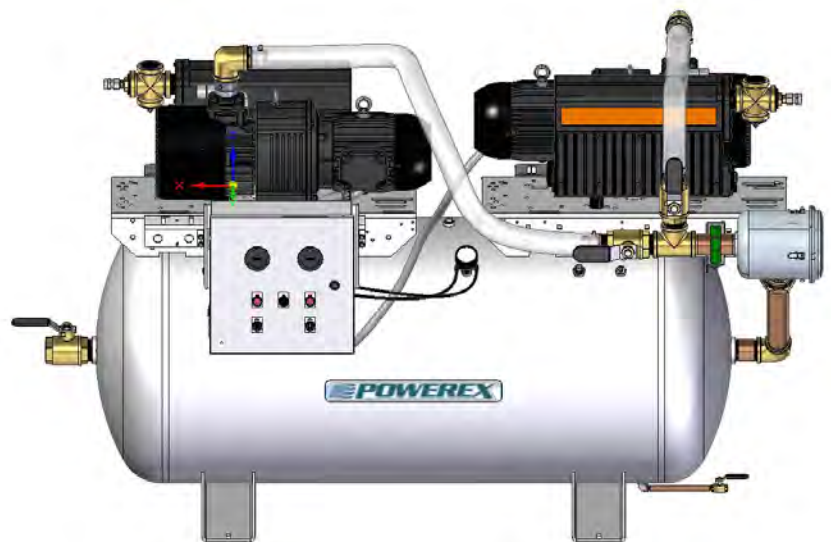
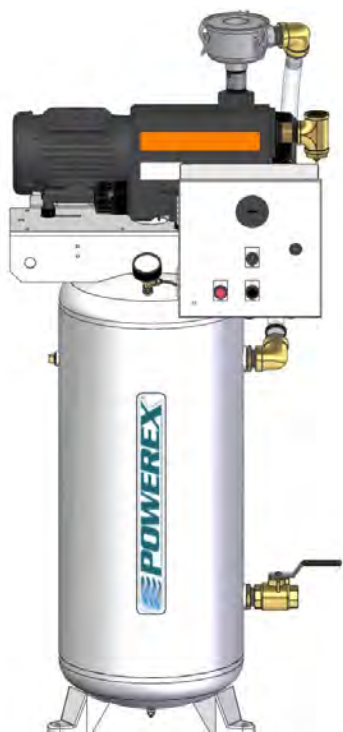
- UL508A control panel
- High temperature alarm
- Drip leg
- ASME receiver

Optional Add-ons

- NEMA 4 control panel
- Autopurge with NEMA 4 panel
- Lined tank
- Exhaust flex hose (accessory)
- Vacuum regulator
- Carbon filters

Key Benefits

- 29.3" Hg end vacuum
- Integrated coalescing filter
- Low annual maintenance cost
- Easy installation
- Low operating temperatures





POWEREX™



**Designed &
Manufactured
in the USA**

with U.S. and Imported Components