Using filtered compressed air, the heart of the Dual-Force Vac is ITW Vortec’s Transvector air amplifier, which moves a large volume of air using a lesser amount of compressed air.

- Automatic safety shutoff valve prevents overflows.
- Relief valve limits internal drum pressure to 8 PSIG.
- Installs on 55 gallon drum in less than a minute.
- Virtually no maintenance - quiet operation
- Resistant to most non-volatile, non-flammable liquids.
- Optional wand and squeegee kit handles large floor spills.
- Closed head drum not included.

ITW Vortec has introduced the new Dual-Force Vac — a powerful yet economical two-way drum pump. Its all new, patent pending design offers many unique features. The quiet and safe operation of this air-powered drum pump means no motor burn out and no shock hazard. The Dual-Force Vac is truly a versatile, plant maintenance cleaning tool for fast, pump-in/pump-out handling of:

- Coolant sumps, even with chips and swarf
- Sludge and waste water from parts washers
- Solvents
- Hydraulic Oil
- Liquid Transfers
- Tramp Oil
- Liquid spills
- And much more

**Priced at or Below Other’s Vacuum-Only Models**
The Dual-Force Vac delivers fast, reliable operation, backed by a two year warranty

The Model #2109 Dual-Force Vac includes: pump body assembly w/overflow preventer & pressure relief valve, ball valve with 1/4" NPT (F), hose drum connection, drum evacuation tube, hose (1 1/4" x 10’ long), extension wand.

The Dual-Force Vac is not intended for use with flammable or volatile liquids such as gasoline, alcohol, kerosene, aviation fuel, mineral spirits or any materials that have a low flash point.

Swivel head design allows easier movement when connected to air supply

<table>
<thead>
<tr>
<th>AIR SUPPLY PRESSURE PSIG</th>
<th>AIR CONSUMPTION SCFM</th>
<th>VACUUM IN. OF MERCURY</th>
<th>FILL RATE GPM</th>
<th>EMPTY RATE GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>15</td>
<td>6.7</td>
<td>29.5</td>
<td>36.7</td>
</tr>
<tr>
<td>100</td>
<td>23</td>
<td>9.5</td>
<td>33</td>
<td>33</td>
</tr>
</tbody>
</table>

Note: Not recommended to operate at less than 50 PSIG. Flow rates based on a liquid viscosity of 0.8 cps.

More powerful operation conveys liquids up to 33 GPM

The Dual-Force Vac is ideal for large floor spill pick-ups. Order model #2102 accessory kit. Kit includes aluminum wand and squeegee spill pick up tool.

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>2109</td>
<td>Dual-Force Vac, Two-Way Drum Pump</td>
</tr>
<tr>
<td>2102</td>
<td>Spill Pick Up Kit, Includes aluminum wand and squeegee</td>
</tr>
</tbody>
</table>

The Dual-Force Vac quickly installs on a UN/1A1/X1.8/300 rated, closed head 55 gallon drum. The drum should be in good condition free of dents or rust.

Perfect for machine sumps, parts washers, floor spills and versatile liquid transfers

513-891-7474 or 800-441-7475
Fax: 513-891-4092
Website: www.itwvortec.com
e-mail: techsupport@vortec.com

Reference the Product Guide catalog and/or ITW Vortec invoice Conditions of Sale for complete information and warranty terms.

Due to a policy of continuous development we reserve the right to change specifications without notice.