# Vacuum on Demand™

Variable speed vacuum pump for precise control.

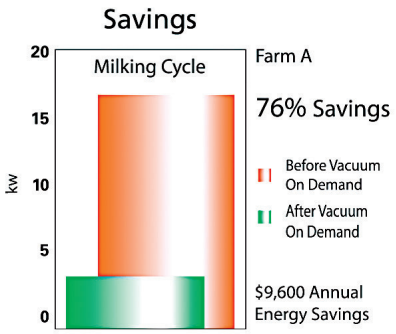
## Pay only for the vacuum needed

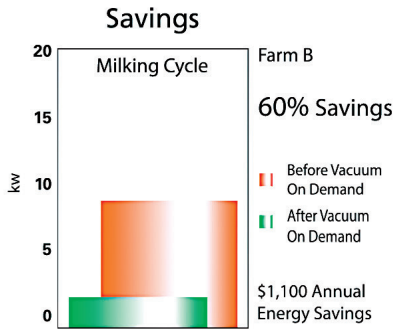
The variable speed vacuum senses the system's vacuum level and varies the speed of the vacuum pump to provide the exact vacuum required.

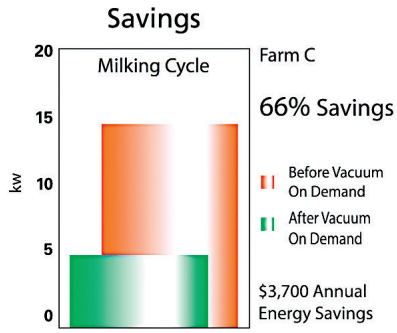
### Key Features:

- Constant torque - Keeps the drive operating within its amp draw limits to eliminate fault trips.
- Fast micro-processor controls provides for more stable vacuum and faster response time compared to conventional drives.
- Exhaust temperature monitor determines the correct pump speed for maximum energy savings and longer pump life.
- Reduced electrical noise. NEMA 12 enclosure is UL, CSA and CE approved. Filters reduce emissions.
- Useful displays - up to 27 data types for management and maintenance information, including digital vacuum gauge.
- Internal maintenance monitors - tells when to check belts or change oil.
- MILK and WASH modes' adjustments offer lower operating costs.
- Soft start prolongs motor, belt and pump life.
- A size for every pump - 3.5kW up to 22kW in single or 3 phase, 230 and 460 volt models.

## HOW THREE FARMS SAVED ON THEIR ANNUAL ENERGY COSTS




## CALCULATION TO SAVE ENERGY - PAYBACK

| Horsepower x .7457 KW/HP .90 Motor Efficiency | x | Hours Milked/Day | x | 365 Days/Year | = | Yearly KWH Usage of Vacuum Pump |
|---|---|---|---|---|---|---|
| Yearly KWH Usage | x | $ Cost per KWH | = | Yearly Cost of Operating Vacuum Pump | | |
| $ Yearly Cost of Operating Pump | x | % Savings (50% to 80%) | + | $ Yearly Savings | | |
| $ Cost of Installation | / | $ Yearly Savings | = | Yearly Simple Payback | | |

KW = Kilowatt Demand KWH = Kilowatt Hour