

# Vac↔Pak

## **AIR-OPERATED POSITIVE DISPLACEMENT VACUUM PUMP REDUCES AIR CONSUMPTION TO ESSENTIALLY "ZERO" FOR STATIC VACUUM APPLICATIONS:**

- Consumes air only during initial draw-down.
- Consumes no air upon reaching and holding the set level of vacuum.
- Maintains set vacuum even if there is small leakage, consuming a minimal amount of air.

## **ADJUSTABLE VACUUM STALL POINT FROM 2 TO 29 IN. HG:**

- Built-in air regulator that is set to the desired vacuum. When the set level is reached, the pump reaches equilibrium and stalls.
- The relationship of air drive pressure (psig) to vacuum (in. hg) is 0.4:1 (73 psi yields 29 in.).

## **OTHER FEATURES:**

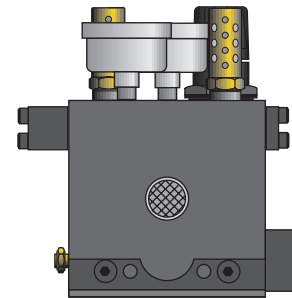
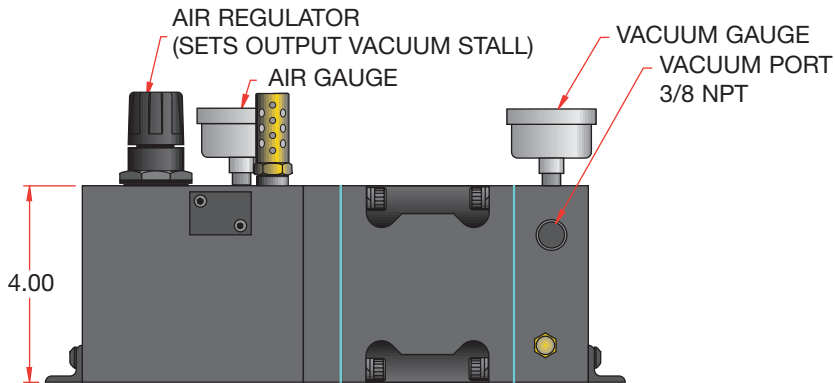
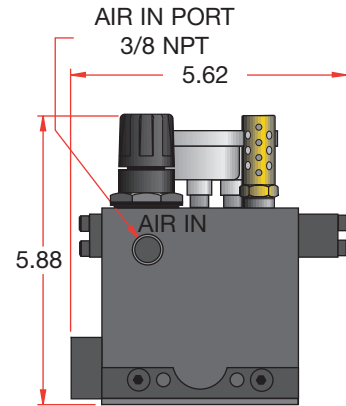
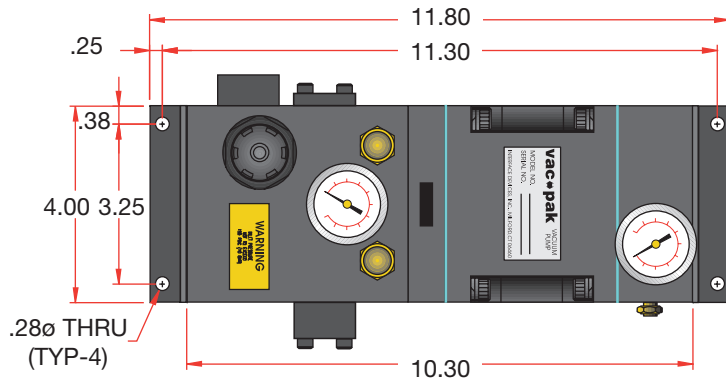
- No inlet air valve, air regulator or air lubricator are required.
- Polymeric dynamic seals and bearings are standard for high efficiency and long life.
- Horizontal (floor) mount or vertical (wall mount).
- Compact and lightweight (13#) for portable uses.

## **CASE STUDY:**

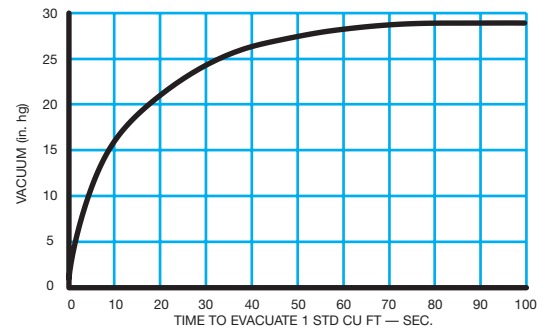
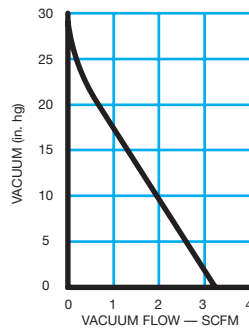
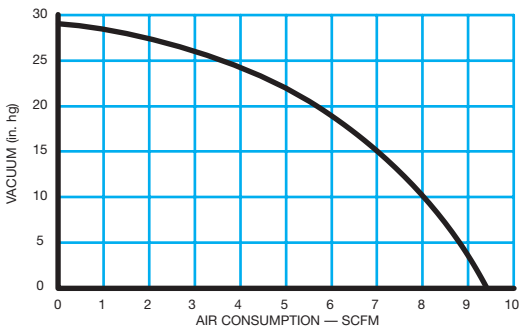
A high speed assembly machine uses twin "venturi" vacuum generators and 12 vacuum cups to pick-and-place 12 small items at a rate of 25 cpm, 24 hours per day, 6 days a week, 50 weeks a year. The duty (on/off) cycle of the generators is 50%. At an electrical cost of 10 cents per KWH, the calculated cost of the compressed air is in excess of \$900 per year. A test run with the "VAC-PAC" installed showed an air cost of approximately \$50 per year.



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## PERFORMANCE (At 75 psig regulated drive pressure):



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