

Air-Star™ Vacuum Pump

Cleaner, more environment-friendly vacuum pump

Bou-Matic Air-Star vacuum pumps use rotary displacement technology to create reliable, stable vacuum for milking and system cleaning. This technology offers the longevity and minimal maintenance characteristics of liquid ring vacuum pumps and the modest purchase price of oil vane vacuum pumps.

Air-Star vacuum pumps feature two figure-eight impellers rotating in opposite directions. This eliminates the oil consumption characteristic of oil vane vacuum pumps. Eliminating oil reduces operational costs and takes away the potential environmental concerns associated with disposing of used pump oil.

Air-Star Vacuum Pumps Feature:

- Cast iron machined impeller cases are heavily ribbed to prevent distortion, are permanently fastened to steel shafts and are dynamically balanced to operate without vibration. Inlet and discharge ports are integral features of the cylinder.
- Vertical stand features heavy duty, all welded construction.
- Pump is set waist-high for ease of maintenance.
- Cast iron headplate interior surfaces are ground to precise operating tolerances.
- Bearing fits are machined into headplates to assure exact bearing positioning.
- Anti-friction bearings are used exclusively. Smaller size pumps are fitted with single-row ball bearings. Larger size pumps have double-row bearings and spherical roller bearings for overhung load capacity.

- Timing gears are made from hardened alloy steel.
- Open design for maximum cooling.
- Oil level sight glass.
- Twenty-four month warranty from date of purchase.
- Timing gears and gear-end bearings are splash oil lubricated in an oil-tight housing.
- Drive-end bearings are grease lubricated through fittings.
- Lip-type seals prevent oil and grease from entering the impeller chamber.
- Exclusively manufactured for Bou-Matic with special internal clearances for the dairy industry.

