



# Claw Vacuum Pumps

## Description

The positive displacement vacuum pumps feature a compact rotary claw design that is air cooled, dry-running and noncontacting. These features along with quality construction results in a pump that offers extremely high reliability and a long service life.



## Ultra Low Maintenance

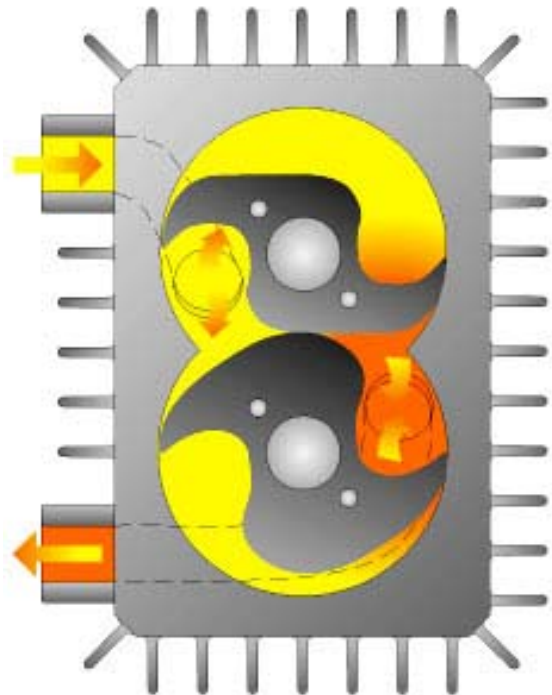
Non-contacting design – eliminates internal wear and parts to replace Air cooling no water levels to check and no cooling system to maintain Dry running – no sealing or lubricating oil is needed in the pumping chamber, so there is minimal maintenance.

## Economical

Operating costs are low because of the maintenance-free design and the reduced power requirements made possible by the high volumetric efficiency along with a zero-friction pumping chamber.

## Operating Principle

Inside the pump housing, two claw shaped rotors take in air as they rotate in opposite directions. The air is compressed by the rotors, then discharged through a silencer to atmosphere. The non-return valve incorporated into the inlet flange prevents air from back flowing into the vacuum chamber when the pump is turned off. Rotary claw vacuum pumps are directly driven by a flanged motor, and the two rotors are synchronized by gears.





## *Claw Vacuum Pumps*

### *Technical Information*

<b>Pump Type:</b>	43 CFM, 28hg Claw Pump
<b>Motor:</b>	2 hp
<b>Power:</b>	190-240v 7 amp / 380-480v 3.7 amp
<b>Dimensions:</b>	38-11/16" L, 16-9/16" W, 16-1/4" H
<b>Noise Level:</b>	50 dBA

**Northern Engineering & MFG, Inc.**  
**11840 243rd Ave NW**  
**Zimmerman, MN 55398**  
**(763)856-2044**  
<http://nemi.com>