

## Configurations

Roots blowers are available in two basic configurations to meet nearly any piping arrangement or installation requirement. Orientation for inlet and discharge connections is determined from the drive end:

Vertical Configuration:

For vertical configuration, one impeller is mounted above the other, unless otherwise noted the blower drive end located opposite the timing gears. Inlet and discharge connection flanges are positioned to provide horizontal air/gas flow. Specify blower driver for either top or bottom shaft.

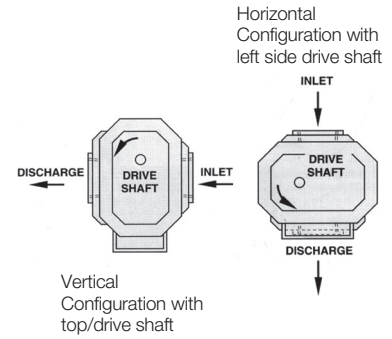
Horizontal Configuration:

For horizontal configuration, impellers are located side-by-side. Unless otherwise noted, the blower drive end is located opposite the timing gears. Inlet and discharge connection flanges provide a vertical air/gas flow. Specify blower driver for either left or right hand shaft.

Special Note:

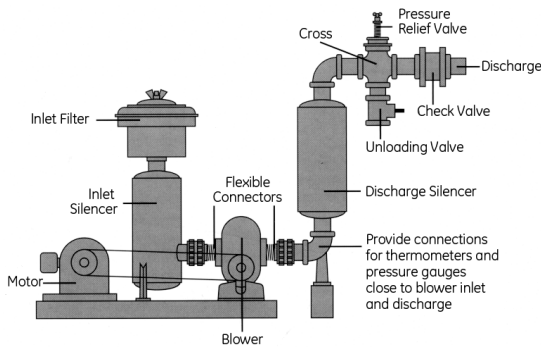
URAI-J, URAI-J DSL, RAM-J, RAM GJ, RAM-VJ and RCS-J models are designed to operate with only one shaft rotation direction to take full advantage of the WHISPAIR feature. Therefore, "J" blower should be operated in the following combinations only:

- CCW Rotation facing blower drive shaft: Bottom Shaft; Right side discharge or a Left Shaft; Bottom discharge.
- CCW Rotation facing blower drive shaft: Top Shaft; Left side discharge or a Right Shaft; Top discharge.
- CW Rotation facing blower drive shaft: Bottom Shaft; Left side discharge or a Right Shaft; Bottom discharge.
- CW Rotation facing blower drive shaft: Top Shaft; Right side discharge or a Left Shaft; Top discharge.

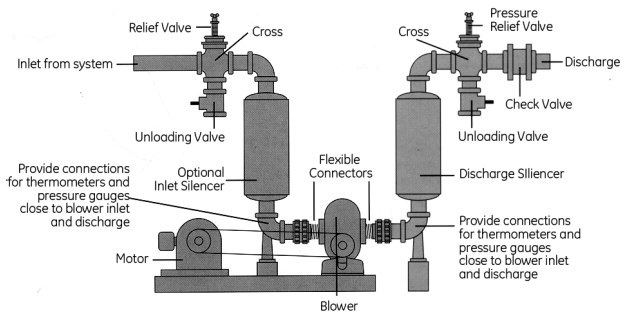


## Typical Application Packages

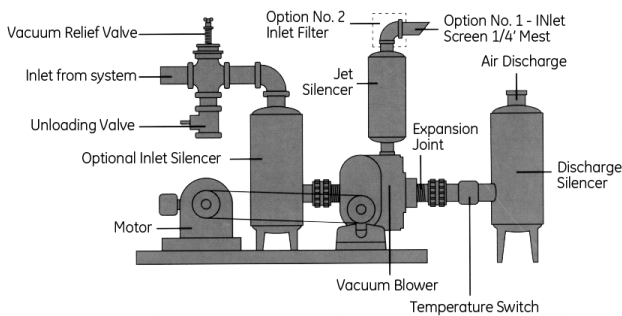
Pressure Application - Inlet open to atmosphere



Gas Application - Closed Loop Piping



High-Vacuum Application - w/DVJ Vacuum Blower



Vacuum Blower Application - Discharge open to Atmosphere

