



## PacVac Vacuum Station Version 2

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### Application

Airvac offers several versions of a “packaged vacuum station” that includes not only the vacuum station equipment but also a prefabricated building to house it. Version 2 is ideally suited for small to medium-sized projects serving up to 550 connections and/or peak flows up to 350 gpm and is used when 100-year flood elevation and/or excessive static loss precludes the use of Version 1.



PacVac Version 2 contains similar equipment as PacVac Version 1 but rather than everything on a single level, the equipment is arranged in an over/under configuration in a two-story structure.

The vacuum pumps and control panel are located on the top floor in a prefabricated building supplied by Airvac. The basement houses the collection tank and sewage pumps. The prefabricated building and skids are delivered directly to the site where they are installed by the contractor after the basement has been completed. Odor control and a standby generator completes the installation.

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### Advantages

**PacVac Version 2 offers these advantages:**

- No need for a custom designed vacuum station
- Contractor's installation effort is minimized
- Significant cost savings compared to a custom designed vacuum station that requires a building to be constructed on site

## Models

Model M Series		
Model #	Max Peak Flow	Max # Connections
PacVac 103M	80 gpm	120
PacVac 170M	150 gpm	235
PacVac 277M	250 gpm	390
PacVac 353M	350 gpm	550

## Standardization

### Standardization of key components keeps things simple:

- All components are located on two skids: one with a collection tank and two sewage pumps and one with the vacuum pumps and the control panel
- The quantity (2 or 3) and size of the vacuum pumps varies according to peak flow (gpm) and pipe volume (gal)
- The size of the sewage pumps varies according to peak flow (gpm) and head conditions (TDH)

## Responsible Parties

**By Airvac:** PacVac by Airvac includes the following which are delivered directly to the site:

- A prefabricated building with a complete operating vacuum stations consisting of two or three vacuum pumps, two sewage pumps, level controls and a control panel
- Optional: Airvac can also provide the generator

**By Contractor:** The installation contractor is responsible for:

- All site work including the building slab/foundation
- Connecting the incoming vacuum mains and the outgoing force main
- Furnishing and installing the electrical power to the station
- Furnishing and installing the odor control and standby generator



**Airvac**

A brand of  
Aqseptence Group

4217 N Old US Highway 31  
Rochester, IN 46975  
Phone +1 574 223 3980  
info.airvac@aqseptence.com

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