



PacVac Vacuum Station Version 3

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 3 is ideally suited for medium-sized projects serving 235 to 550 connections and/or peak flows ranging from 150 to 350 gpm.



PacVac Version 3 utilizes a direct-bury fiberglass collection tank to eliminate the need for a basement. Dry pit submersible sewage pumps are housed in either an adjacent inexpensive operator friendly vault or in a fiberglass structure that is fabricated as part of the collection tank itself (shown above). The vacuum pumps and control panel are in a prefabricated building supplied by Airvac.

The prefabricated building and tank/pump vault combination are delivered directly to the site where they are installed by the contractor. Odor control and a standby generator completes the installation.

Advantages

PacVac Version 3 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 170M	150 gpm	235
PacVac 277M	250 gpm	390
PacVac 353M	350 gpm	550

Standardization

Standardization of key components keeps things simple:

- Components are located on two skids; one with a combination collection tank/pump vault with 2 sewage pumps and one with the vacuum pumps and control panel
- Four collection tank sizes are available: 1500, 2000, 2500 and 3000 gal
- 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 two or three vacuum pumps and control panel and a skid containing a combination collection tank/pump vault, with two sewage pumps and level controls.
- Optional: Airvac can also provide the generator

By Contractor: The installation contractor is responsible for:

- All site work including burying the tank/vault and installing the Airvac supplied equipment and prefabricated building
- 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

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