

PacVac Vacuum Station Version 1

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 1 is ideally suited for small to medium-sized projects serving less than 235 connections and/or peak flows less than 150 gpm.



PacVac Version 1: station on grade shown

Version 1 includes a 1-story, at-grade or partially buried prefabricated building that houses all the mechanical equipment on 1 level. All the mechanical equipment is assembled on 1 skid and is supplied by Airvac. The prefabricated building is supplied by Airvac.

The complete unit is delivered directly to the site where the building is placed on a slab on-grade or is partially buried. The contractor connects the incoming vacuum main(s) & outgoing force main as well as brings electrical power to the building. Odor control, a valve vault and a standby generator completes the installation.

Advantages

PacVac 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

Standardization

Standardization of key components keeps things simple:

- All components are located on a single skid, including the collection tank, vacuum pumps, sewage pumps and control panel
- The collection tank is the same size in all models
- 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)
- The prefabricated building is the same size in all models

Models

Preferred

Model M Series Uses Busch Mink MM series pumps		
Model #	Max Peak Flow	Max # Connections
PacVac 103M	80 gpm	120 conn
PacVac 165M	150 gpm	235 conn

Optional

Model R Series Uses Busch R5 series pumps		
Model #	Max Peak Flow	Max # Connections
PacVac 117R	80 gpm	120 conn
PacVac 170R	150 gpm	235 conn

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

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