Airvac

A brand of
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Airvac S.M.A.R.T. System

Strategic Monitoring for Advanced Remote Transfer

Airvac Wireless SMART System

Controlling a vacuum system's behavior typically has been a reactive process where operators analyze system data and make adjustments accordingly. Or, a problem may occur requiring an operator's attention prior to any adjustment being made. With Airvac's SMART System, operation of a vacuum system is taken to the next level.

Airvac's wireless SMART System not only monitors the system but also automatically makes real-time adjustments to optimize system hydraulics. This proactive approach of controlling the vacuum system's behavior results in optimum system performance, prevents problems from occurring and reduces Operation & Maintenance costs.

Benefits

Proactive not reactive: Potential problems are not only identified but adjustments are made automatically to correct them.

More efficient system: System imbalances due to a variety of causes can be overcome resulting in a more efficient system and lower power bills.

Airvac is connected 24/7: Airvac specialists can also monitor the system in real time providing another set of eyes to the system operator.

Built in Purge Cycle: A "purge" cycle can be programmed into the logic controller that will automatically clear the vacuum mains at predetermined times to ensure that waterlogging of the system during critical times will not occur.

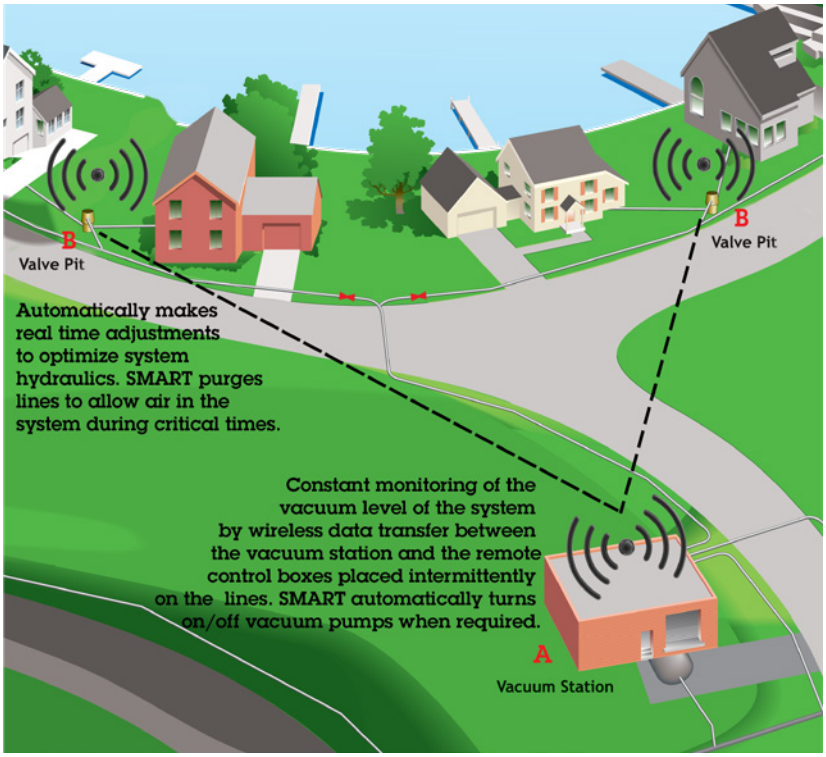
System updates can be pushed automatically: Airvac can automatically push new programming updates remotely to keep the SMART System current.

How It Works

Key components include One (1) SMART logic controller with a touch screen operator interface located in the vacuum station and multiple remote control boxes connected to selected valve pits located at strategic points within the collection system. (A)

The remote control boxes use solar powered radios to communicate with the SMART logic controller at the vacuum station. The SMART logic controller then communicates with the various vacuum station controls and will override pump control as necessary to provide optimum system operation. (B)

SMART System software uses several modes to identify system imbalances and provide recovery options. This may include monitoring various system vacuum levels, monitoring pump operating parameters, monitoring incoming flows, actuating remote vacuum valves and adjusting vacuum levels at the station.



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