

Components of a Typical Vacuum System

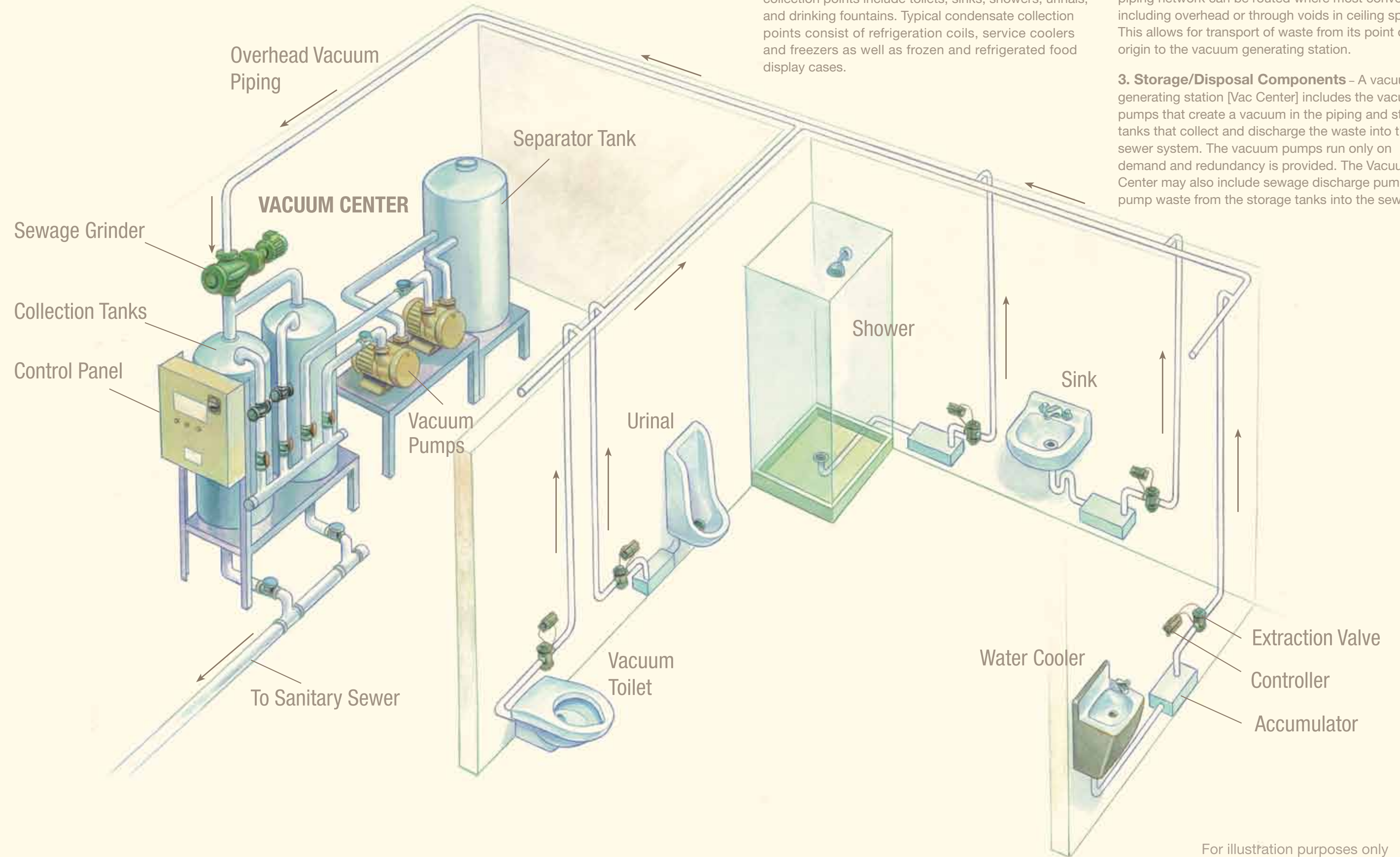
How it Works: An Introduction to Vacuum Sewage and Plumbing Systems

A Vacuum Drainage System consists of three basic components:

1. Collection Points – Typical sanitary and gray water collection points include toilets, sinks, showers, urinals, and drinking fountains. Typical condensate collection points consist of refrigeration coils, service coolers and freezers as well as frozen and refrigerated food display cases.

2. A Conveyance System – The vacuum drainage piping network can be routed where most convenient including overhead or through voids in ceiling spaces. This allows for transport of waste from its point of origin to the vacuum generating station.

3. Storage/Disposal Components – A vacuum generating station [Vac Center] includes the vacuum pumps that create a vacuum in the piping and storage tanks that collect and discharge the waste into the sewer system. The vacuum pumps run only on demand and redundancy is provided. The Vacuum Center may also include sewage discharge pumps that pump waste from the storage tanks into the sewer.



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