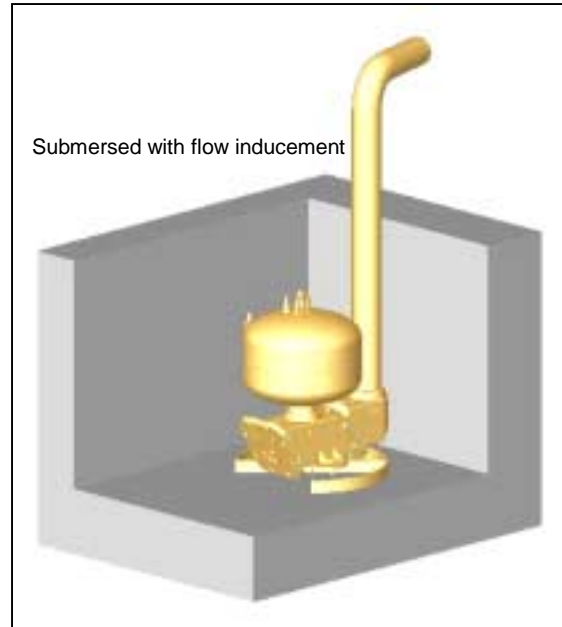
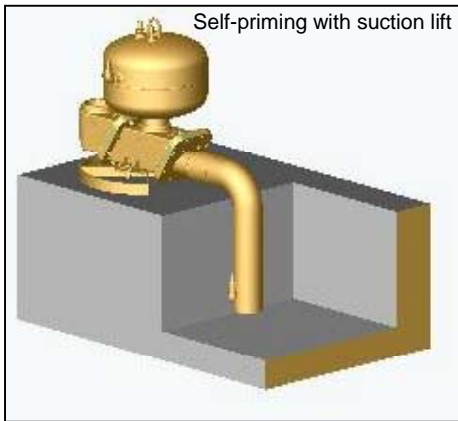


PITBULL® Pumps With Enhanced Flow Options Self-priming and Flow Inducement

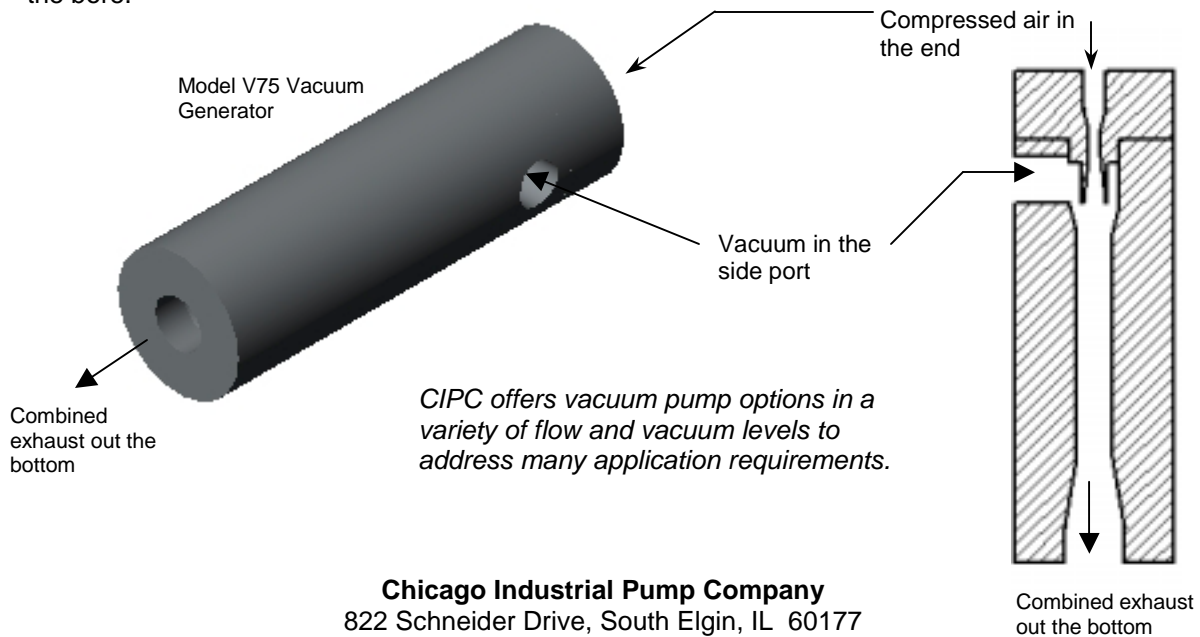
Any PITBULL® pump that is normally gravity fed can be modified to run either in a **flow induced** (submersed pumps) or **self-priming** (dry piped) mode to increase its solids handling, viscosity, low level or suction lift capabilities. By adding the flow inducer or vacuum generator option (the terms are interchangeable) the PITBULL® can pull liquids and solids into it with up to 20"/508mm Hg of suction force.



How the PITBULL® creates suction:

Instead of putting a component into the liquid, our pump uses an extremely simple vacuum device added to the control panel, away from the liquid. This vacuum unit pulls air out of the pump chamber, causing it (the chamber) to suck fluid in like a vacuum truck or shop vacuum.

The Device: In keeping with the PITBULL® theme of rugged simplicity our vacuum pumps have no moving parts. The vacuum is created using the venturi principle. A typical unit (model V75) is shown both solid and cutaway. Compressed air is fed through a nozzle in the top, reaching extremely high velocity where it then exits into the bore. The velocity causes a drop in pressure and at that location a side port is added to allow air to be pulled into the low pressure (vacuum) of the bore.



CIPC offers vacuum pump options in a variety of flow and vacuum levels to address many application requirements.

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