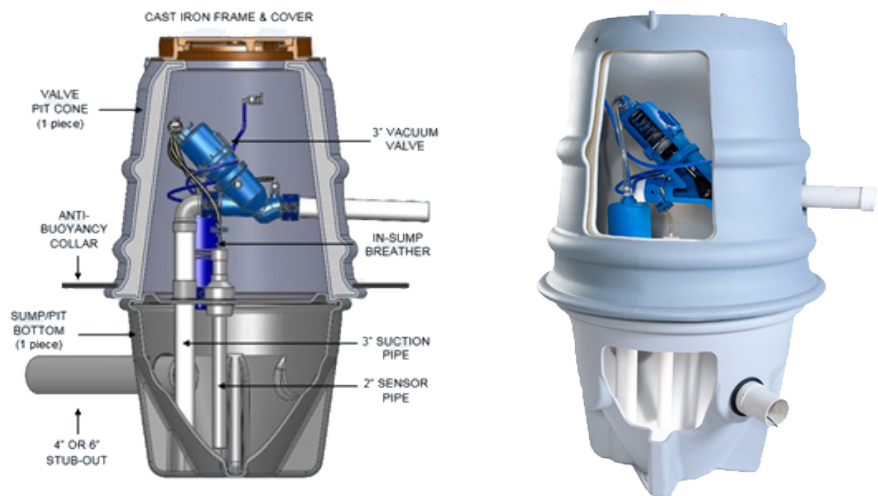


A brand of
Aqseptence Group

Airvac 2-Piece Pit All PE

Airvac's 2-piece valve pit is made entirely of polyethylene (PE), consisting of 2 major pieces: the valve pit cone and the combined sump/pit bottom. It is available in 3 sizes.

Valve Pit	Overall Depth	Depth of Sump	Depth of Pit Cone	Sump Capacity
VP3042P2	6 ft	30 in	42 in	85 gal
VP5442P2	8 ft	54 in	42 in	158 gal
VP7842P2	10 ft	78 in	42 in	250 gal



Valve Pit Cone

The pit cone houses the vacuum valve, controller and in-sump breather and is manufactured by the rotational molding process using PE. It has a 36-inch inside diameter at the bottom and is conically shaped to allow fitting a 26 ³/₄-inch frame with a 23 ¹/₂-inch diameter cast iron cover.

Sump/Pit Bottom

The sump/pit bottom is manufactured as a single piece by the rotational molding process using PE. It is tapered with the upper rim designed to accept the valve pit cone. The sump contains 4 stabilizing embosses to support the pit cone and is designed to allow up to (4) houses to be connected with either 4-inch or 6-inch pressure rated Sch 40, SDR 21 or SDR 26 PVC pipe. Elastomer connections are used for the entry of the stub-out pipe (supplied by contractor). Holes for the stub-out pipe are field cut at the position directed by the engineer.

In addition to the 2 major parts, the 2-piece pit package comes complete with the following components:

3" Valve, HP Controller, Pipe Couplings

The Airvac 3-inch vacuum valve, complete with Airvac's patented HP controller, is vacuum operated on opening and spring assisted on closing. The valve operates without the use of electricity with the HP controller making the process of opening and closing completely automatic. The valve has a 3-inch full-port opening, is made of glass filled polypropylene, and has a stainless-steel shaft, delrin bearing and elastomer seals. All materials of both the valve and HP controller are chemically resistant to normal domestic sewage constituents and gases. The 3-inch vacuum valve is connected on both ends with Airvac's patented pipe coupling.

In-Sump Breather

The in-sump breather uses atmospheric air from the 6-inch air terminal (not shown) which is connected to the sump. The in-sump breather is designed to protect the controller from unwanted liquid during system shut-downs and restarts.

Suction & Sensor Pipes

Both the 3-inch suction pipe and the 2-inch sensor pipe are Schedule 40 PVC and are installed through grommets in the sump/pit bottom.

Anti-Buoyancy Collars

Airvac provides a 1-inch thick PE anti-buoyancy collar with each 2-piece pit. These collars fit around the tapered valve pit and rely on soil burden to keep the pit from floating.

Traffic Rated Valve Pit Covers

Cast iron covers and frames, designed for H-20 traffic loading, are used for all valve pit installations. Airvac recommends that concrete collars be used for all 2-piece valve pits located in traffic areas.

Airvac Flexible Connector

The Airvac Flexible Connector is a standard item supplied with the valve pit. The flexible connector uses a special 3-inch flexible PVC hose, approximately 8-foot long, to make the connection between the 3-inch Airvac valve and the vacuum main. Connections at both ends of the flexible connector are the same as with PVC pipe. The use of an Airvac flexible connector virtually eliminates stress-related leaks caused by poor workmanship or ground settlement.

Aqseptence Group, Inc. Vacuum Technology Systems

4217 N Old US Highway 31
Rochester, IN 46975
Phone +1 574 223 3980
Fax +1 574 231 7424
info.airvac@aqseptence.com

www.aqseptence.com

Airvac is a registered trademark of Aqseptence Group, Inc.
Copyright © Aqseptence Group, Inc. 2019