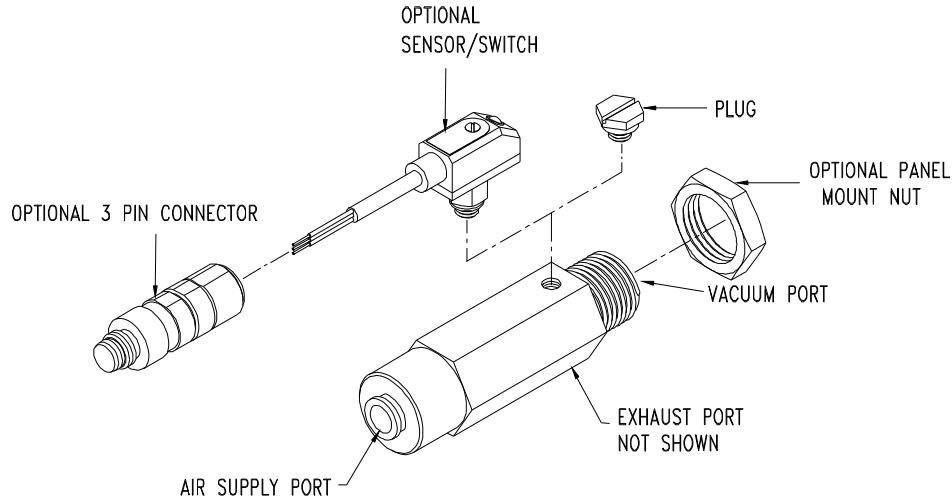


Operating Instructions for VPI-90H In-Line Vacuum Pump



Vaccon's VPI-90H in-line venturi vacuum pump features the air supply port and vacuum port on the same axis. Unlike standard venturi vacuum pumps where the vacuum port is 90° from the supply port, the VPI-90H's can be attached vertically to a robotic end of arm tool in a single or densely populated array to accommodate any size, shape and weight of product being handled.

How it works:

Vacuum is produced by forcing compressed air through a limiting orifice (nozzle). As the air exits the orifice it expands, increasing in velocity to supersonic speed before entering the venturi section (diffuser). This creates a vacuum at the vacuum inlet port located between the nozzle and diffuser.

Installation:

Step 1: Install in-line vacuum pump.

Step 2: Attach air line to air supply port. Attach vacuum line to vacuum port (when not directly attaching cup to vacuum port). See chart below for minimum recommended sizes.

Step 3: Turn on compressed air and regulate to specified pressure (80 PSI standard, -60 models 60 PSI. Set regulator while pump is operating). VPI-90H will generate vacuum.

Model #	Supply Port	Recommended Air Supply Line	Vacuum Port Threads	Vacuum Line	Mounting Threads
VPI-90H Series	1/4" Push-To-Connect	1/4"	1/8"NPT	1/4"	5/8-18 UNF

Tubing size based on 0.062 wall polyethylene and polyurethane tubing.

Note: Vaccon discourages the use of quick disconnect fittings on all connections.

REV A 4/4/06