

VACUUM GENERATOR (INSTALLATION & MAINTENANCE)

Streamtek™ Corp.
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COMPRESSED AIR LINE SIZES

LENGTH OF RUN	SIZE OF PIPE/HOSE
1 – 25ft (7.6m)	Use ¼" pipe or 3/8" air hose
25 - 50ft (15.2m)	Use 3/8" pipe or ½" air hose
50ft and above	Use ½" pipe or larger

COMPRESSED AIR SUPPLY

**All filters should be installed within 10-15ft of the Air Conveyor. Do not use undersized lines or restrictive fittings that can "starve" the Vacuum Generator by causing excessive line pressure drop.

Water removal

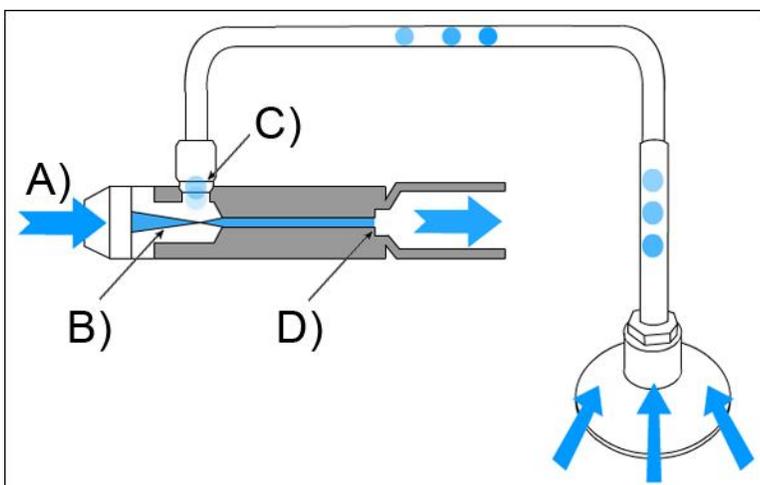
Minimum 10 micron filter, with an automatic (float type) drain. Model *FTR038-1* for all Models!

Oil removal

Use an Oil filter installed downstream from the water filter if oil is a concern. Again this should be fitted with an automatic (float type) drain. Model *OIL038-1* for all Models!

The STREAMTEK Vacuum Generator is designed to use your regular shop air supply up to 80 PSIG (5.5 BAR). A pressure regulator can be installed in-line to easily control the vacuum and flow. Model *PR038-1* for all Models!

HOW IT WORKS



- A) Compressed Air enters the unit through a standard NPTF inlet.
- B) The Compressed airstream rapidly expands and increases in velocity before entering the venturi.
- C) Vacuum is directed through the inlet suction point between venturi and the orifice.
- D) Vacuumed airflow mixes with the primary airstream, then exhausts on this end.

PORUS

Model #	Air Inlet	Vacuum Inlet	Exhaust Port
SVG001-P, SVG001-P2, SVG001-P3	1/8 NPTF	1/8 NPTF	1/4 NPTF
SVG004-P, SVG004-P2, SVG004-P3	1/4 NPTF	3/8 NPTF	3/8 NPTF
SVG007-P, SVG007-P2, SVG007-P3	1/2 NPTF	1/2 NPTF	1/2 NPTF

NON-PORUS

Model #	Air Inlet	Vacuum Inlet	Exhaust Port
SVG001-NP, SVG001-NP2, SVG001-NP3	1/8 NPTF	1/8 NPTF	1/4 NPTF
SVG004-NP, SVG004-NP2, SVG004-NP3	1/4 NPTF	3/8 NPTF	3/8 NPTF
SVG007-NP, SVG007-NP2, SVG007-NP3	1/2 NPTF	1/2 NPTF	1/2 NPTF

CLEANING

If foreign materials have clogged your Vacuum Generator, inspect it for an oil film and possible dirt contamination. A build-up can sometimes occur within the unit which is a result of vapors from the atmosphere that have been pulled into the STREAMTEK Vacuum Generator. Simply clean all surfaces using a mild solvent and rag.

TROUBLESHOOTING

There are many factors that can cause the reduction in vacuum and/or flow. Undersized airlines, restrictive fittings, or clogged filter elements are common areas to check. If you suspect below average performance, install a pressure gage at the inlet of the Air Conveyor.

If you have any questions and/or concerns, please contact a STREAMTEK™ Application Engineer at:

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