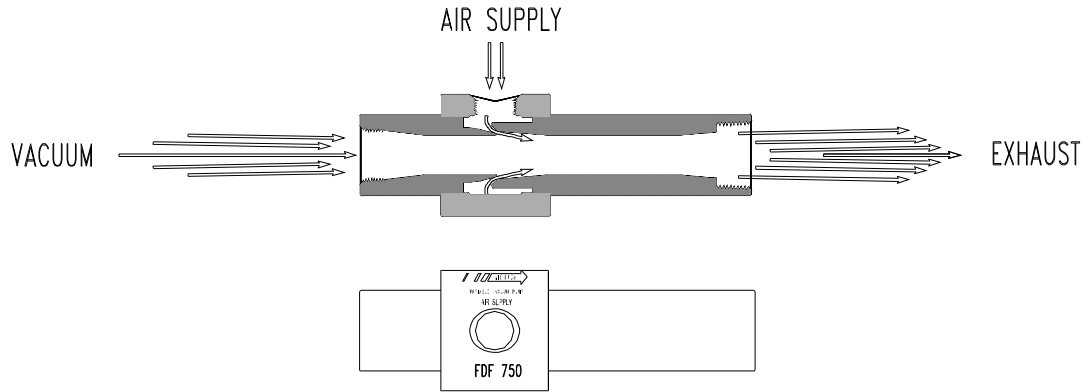


Operating Instructions for FDF Series Fixed Vacuum Pumps



How it works:

Compressed air is plumbed to the side of the vacuum pump. Inside the air is forced through a limiting annular gap into the main bore where it increases in velocity and develops a powerful vacuum. The vacuum to exhaust path is in a straight line allowing ingested debris to easily pass through the vacuum pump. This extremely simple design is efficient and indestructible (all FDF models are preset at 25" Hg @ 80 PSI).

Installation:

Step 1: Install FDF.

Step 2: Attach airline to air supply port. Attach vacuum line to vacuum port. See chart below for minimum recommended sizes.

Step 3: Turn on compressed air regulated at 80 PSI. FDF will generate vacuum.

Note: A pressure regulator will enable you to change vacuum levels and vacuum flows.

Model #	Supply Port Threads	Recommended Air Supply Line	Vacuum Port Thread	Recommended Vacuum Line
FDF 100	1/8"NPT	3/8"	1/4"NPT	3/8"
FDF 150	1/8"NPT	3/8"	1/4"NPT	3/8"
FDF 200	1/8"NPT	3/8"	1/4"NPT	3/8"
FDF 250	1/8"NPT	3/8"	1/4"NPT	3/8"
FDF 375	3/8"NPT	1/2"	1/2"NPT	5/8"
FDF 500	3/8"NPT	1/2"	1/2"NPT	3/4" Hose
FDF 750	1/2"NPT	5/8"	3/4" NPT	1" Hose

Tubing size based on 0.062 wall polyethylene and polyurethane tubing.

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