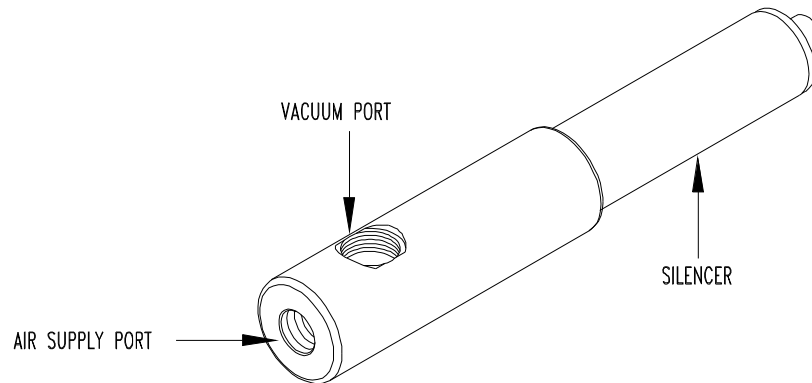


Operating Instructions for J Series Vacuum Pumps



Silencer option on pump may vary.

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 J Series 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 line 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).

Model No.	Supply Port Threads	Recommended Air Supply Line	Vacuum Port Threads	Recommended Vacuum Line	Exhaust Port Threads
JS-40UM	10-32 Female	1/4"	10-32 Female	1/4"	10-32 Female
J(F,D,S)-(60,90)M	1/8"NPT	1/4"	1/8"NPT	1/4"	1/4"NPT
J(F,D,S)-(100,150)M	1/8"NPT	3/8"	1/8"NPT	3/8"	1/4"NPT
J(F,D,S)-(100,150,200,250)	1/4"NPT	3/8"	3/8"NPT	1/2"	3/8"NPT
J(F,D,S)-300	3/8"NPT	1/2"	3/8"NPT	5/8"	3/8"NPT
J(F,D,S)-350	1/2"NPT	1/2"	1/2"NPT	3/4"	1/2"NPT

Tubing size based on 0.062 wall polyethylene and polyurethane tubing.

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