



Shown to the left is the main line of JB series vacuum generators. These pumps can handle the majority of applications more economically than most air vacuum pumps. The vacuum control of these generators is served through a manual or automatic control valve situated on the compressed air supply line (not included in this version).

**Usage:**

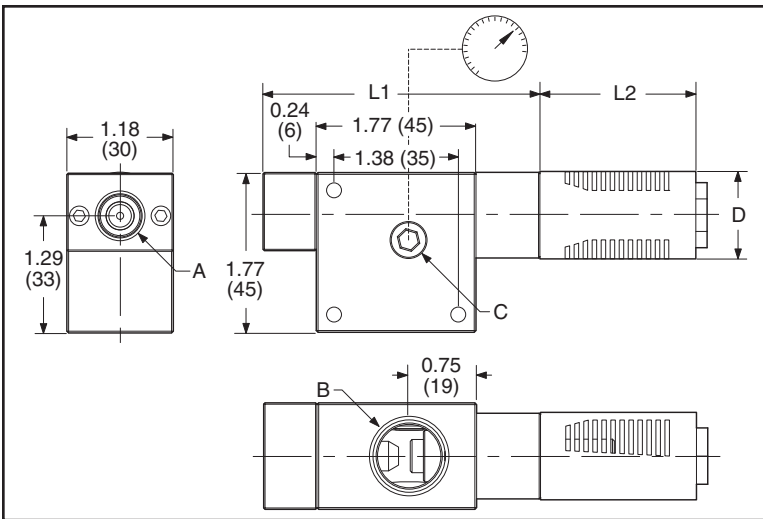
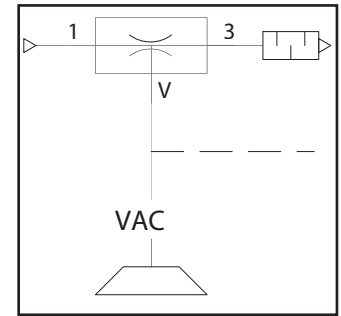
This system is recommended for use where vacuum is required on an intermittent basis or when a basic, low cost functional design is desired. As these pumps have no internal moving parts, they are extremely reliable and require no maintenance. Just keep debris out with a filter and use dry clean air and these pumps will work almost indefinitely.

**Specifications:**

**Compressed Air:** 50 Micron, Filtered, Non-lubricated  
**Operating Temperature:** -10 to 80°C (14 to 176°F)  
**Optimum Operating Pressure:** 5 bar (72.5 psi)

**Features/Available Options:**

- Vacuum Level: 90% (27" Hg)
- Vacuum Gauge
- Mufflers
- Vacuum Port Extension
- Vacuum Switches
- Control Valve
- Pilot: 24V DC, Pneumatic, or 100V 60 Hz AC



| Part No. | Nozzle Size | A Air Inlet | B Vacuum Port | C Optional Gauge Port | D in. (mm) | L1 In (mm)   | L2 In (mm) | Air Consumption scfm (ml/min.) | Vacuum Flow scfm (ml/min.) | Vacuum Level in Hg (-mmHg) |
|----------|-------------|-------------|---------------|-----------------------|------------|--------------|------------|--------------------------------|----------------------------|----------------------------|
| JB12     | 12          | 1/4" NPT    | 1/2" NPT      | 1/8" NPT              | 0.76 (19)  | 3.22 (81.8)  | 1.37 (35)  | 2.10 (59)                      | 1.90 (54)                  | 27 (690)                   |
| JB12-X   | 12          | G 1/4"      | G 1/2"        | G 1/8"                | 0.76 (19)  | 3.22 (81.8)  | 1.37 (35)  | 2.10 (59)                      | 1.90 (54)                  | 27 (690)                   |
| JB15     | 15          | 1/4" NPT    | 1/2" NPT      | 1/8" NPT              | 0.76 (19)  | 3.63 (92.2)  | 1.37 (35)  | 3.20 (91)                      | 2.65 (75)                  | 27 (690)                   |
| JB15-X   | 15          | G 1/4"      | G 1/2"        | G 1/8"                | 0.76 (19)  | 3.63 (92.2)  | 1.37 (35)  | 3.20 (91)                      | 2.65 (75)                  | 27 (690)                   |
| JB20     | 20          | 1/4" NPT    | 1/2" NPT      | 1/8" NPT              | 1.25 (32)  | 4.65 (118.1) | 2.95 (75)  | 6.10 (170)                     | 4.50 (130)                 | 27 (690)                   |

\* Recommended for applications where debris may be present.



# Vacuum Cups and Suction Cups

## JB Series Single-Stage Vacuum Pumps

| Part No. | Nozzle Size | A Air Inlet | B Vacuum Port | C Optional Gauge Port | D in. (mm)   | L1 In (mm)      | L2 In (mm)   | Air Consumption scfm (ml/min.) | Vacuum Flow scfm (ml/min.) | Vacuum Level in Hg (-mmHg) |
|----------|-------------|-------------|---------------|-----------------------|--------------|-----------------|--------------|--------------------------------|----------------------------|----------------------------|
| JB20-X   | 20          | G<br>1/4"   | G<br>1/2"     | G<br>1/8"             | 1.25<br>(32) | 4.65<br>(118.1) | 2.95<br>(75) | 6.10<br>(170)                  | 4.50<br>(130)              | 27<br>(690)                |
| JB25     | 25          | 1/4"<br>NPT | 1/2"<br>NPT   | 1/8"<br>NPT           | 1.25<br>(32) | 5.22<br>(132.2) | 2.95<br>(75) | 9.20<br>(260)                  | 7.06<br>(200)              | 27<br>(690)                |
| JB25-X   | 25          | G<br>1/4"   | G<br>1/2"     | G<br>1/8"             | 1.25<br>(32) | 5.22<br>(132.2) | 2.95<br>(75) | 9.20<br>(260)                  | 7.06<br>(200)              | 27<br>(690)                |
| JB30     | 30          | 1/4"<br>NPT | 1/2"<br>NPT   | 1/8"<br>NPT           | 1.34<br>(34) | 6.37<br>(161.8) | 3.81<br>(97) | 14.0<br>(400)                  | 9.50<br>(270)              | 27<br>(690)                |
| JB30-X   | 30          | G<br>1/4"   | G<br>1/2"     | G<br>1/8"             | 1.34<br>(34) | 6.37<br>(161.8) | 3.81<br>(97) | 14.0<br>(400)                  | 9.50<br>(270)              | 27<br>(690)                |

### Ordering Information and Example:

| JB           | 12                                   | H                                | G  |
|--------------|--------------------------------------|----------------------------------|--|
| Series<br>JB | Nozzle<br>12<br>15<br>20<br>25<br>30 | Vacuum Level<br>H = 90%-Standard | Accessories<br>D = Electrical Vacuum Switch w/Display<br>G = Gauge<br>L = Electronic Vacuum Switch<br>M = Electro-mechanical Vacuum Switch<br>N = Pneumatic Vacuum Switch<br>V = Vacuum Port Extension |

**Example:** Model **JB12HG** is a **JB** Series Vacuum Generator with Nozzle Size **12**, Standard (**H**) Vacuum Level, and Optional Vacuum Gauge