

IMPORTANT: RECEIVING INSTRUCTIONS: Visually inspect all components for shipping damage. If any shipping damage is found, notify carrier at once.

Shipping damage is NOT covered by warranty. The carrier is responsible for all repair or replacement costs resulting from damage in shipment.

SAFETY FIRST

IMPORTANT—USER SAFETY AND PROTECTION: In setting up systems to fit your operations, care must be taken to select the proper components and design to insure appropriate integration with your operations and existing equipment. All safety measures must be taken to avoid the risk of personal injury and property damage from your application or system.

Gardner Bender CANNOT BE RESPONSIBLE FOR DAMAGE OR INJURY CAUSED BY UNSAFE USE, MAINTENANCE OR APPLICATION OF ITS PRODUCTS. Please contact Gardner Bender for guidance when you are in doubt as to the proper safety precautions to be taken in designing and setting up your particular application.



Special Features

- Heavy Duty 8 ft hose. Optional 15 ft. hose available.
- Complete set of tools for injecting pull line into 1/2" to 6" conduit.
- Four gallon recovery compartment. Expandable to nine gallons on BV208DA.
- Heavy duty welded steel cart with casters and wheels.

Description

Blo-Vac™ power fishing systems, BV208DA. Each model is designed for blowing or vacuuming pull line into electrical conduit. In addition, each Blo-Vac also operates as a standard shop type wet and dry vacuum cleaner.

The Blo-Vac unit has three compartments which are easily separated. The top section contains the power unit, the center section (recovery compartment) collects refuse and the bottom section (tool storage) is storage for accessories (see Fig. 1).

Model BV208D is expandable to 9 gallons. The BV208D is constructed from high impact polypropylene.

Blo-Vac Power finishing system is capable of injecting cable pull line into 1/2" to 6" conduit. Accessories and materials vary depending on job requirements. Specifications for length of conduit runs are guidelines and are not applicable 100% of the time. (See Technical Specifications on page 4). Conditions such as debris in conduit and fitting leakage will reduce the effectiveness of the Blo-Vac system.

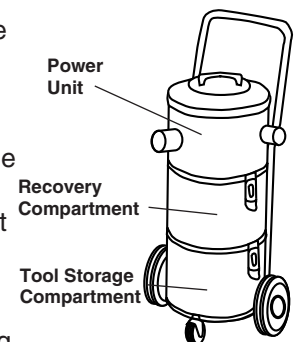


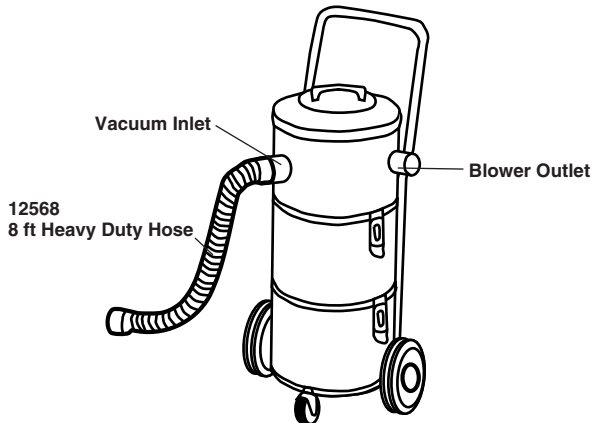
Fig 1
Blo-Vac Compartments

Operation

WARNING Blo-Vac motors are not explosion proof. Do not operate Blo-Vacs in underground locations or where flammable vapors exist.

IMPORTANT: Read all operating instructions prior to using Blo-Vac System.

1. Connect power cord to 115 VAC outlet on a 20 amp circuit.
2. Connect the 8 foot hose to either the inlet or outlet fitting on the Blo-Vac (see Figure 2). The outlet is for blowing and the inlet is for vacuuming.



3. Select a seal-off, seal-off body and line carrier to match the size conduit on the job (see "Line Carriers" and "Pull Line" for more information). The same items are required for vacuuming or blowing into conduit.
4. Using the vacuuming method requires two people. The Blo-Vac and the operator are at one end of the conduit, another person is required to feed the line carrier and pull line into the opposite end of the conduit. Blowing pull line can be accomplished by one person.

a. Conduit sizes 1/2" to 1-1/4"

- Use the BV12 hose adaptor, JV08 seal-off or the long JV09 Seal-off. The JV07 can also be used (see Figure 3).
- Thread the JV08 into the BV12 adaptor. Insert the adaptor into the hose assembly.
- Inject pull line into the conduit by selecting a line carrier and attaching the pull line to it. If a Power Saver Line Package is used, a separate line carrier is not needed.

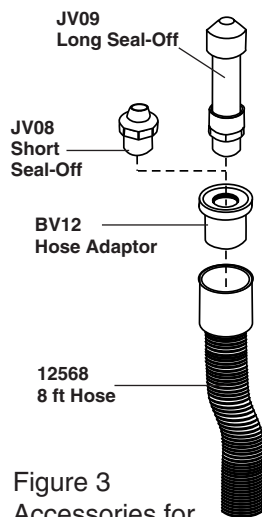


Figure 3
Accessories for
1/2" to 1-1/4" Conduit

- Power Savers and Tag-a-Longs are center dispensing. Unwind about 12 inches of pull line prior to placing the line carrier into the conduit. Wrap the loose end around the blower hose or a stationary object.
- Place the line carrier into the conduit.

CAUTION Be sure the pull line is not tangled around feet or hands of the operator. Fast moving pull can cause severe burns to exposed skin.

- Position the seal-off in the end of the conduit. The loose end of the pull line should be between the seal-off and the conduit.
- Turn the Blo-Vac "ON" and continue operating until the line carrier exits the opposite end of the conduit.

b. Conduit Sizes 1/2" to 2-1/2"

- Injecting bulk line into 1/2 to 2-1/2" conduit requires the JV07 Dial-A-Line body, BV12 adaptor and either the JV08 or BV23 seal-off (see Figure 4).

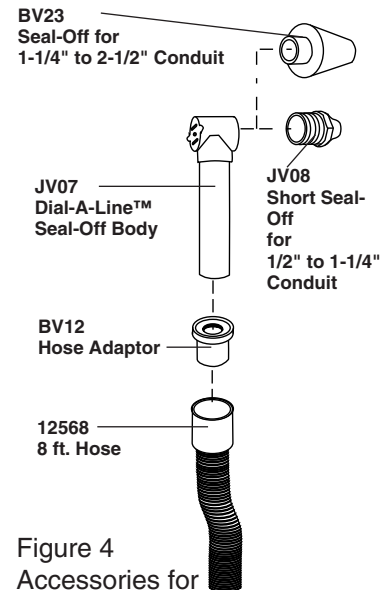


Figure 4
Accessories for
1/2" to 2-1/2" Conduit

- Thread the end of bulk line into the round hole in the metal disk on back of the JV07. Pull the end through the body and into the seal-off.
- Tie the pull line to the line carrier. Insert the line carrier into the conduit and operate the Blo-Vac by placing the seal-off against the conduit opening and turning the Vac system "ON". Operate the Blo-Vac until the line carrier exits the opposite end of the conduit.

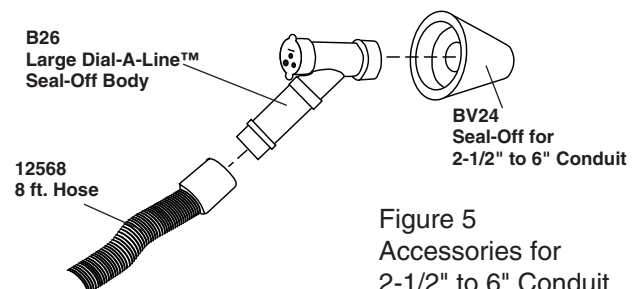


Figure 5
Accessories for
2-1/2" to 6" Conduit

c. Conduit Sizes 2-1/2" to 6"

- i. Items required are the BV26 seal-off body and the BV24 seal-off (see Figure 5).
- ii. Tag-A-Long or bulk nylon pull line and poly-pull rope are the types of material suitable for 2-1/2" to 6" conduit. A line carrier is required for each type pull line or poly rope. Maximum pull line size is PL232 bulk line (see Figure 6).

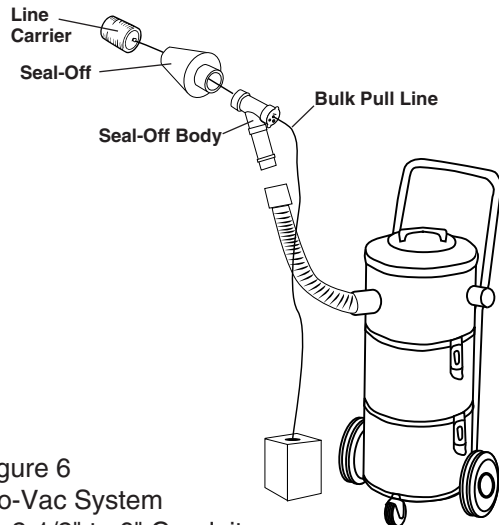


Figure 6
Blo-Vac System
for 2-1/2" to 6" Conduit

Maintenance After Vacuuming Dirt and Water

1. Release the latches securing the top and center sections together.
2. Remove the filter bag from the bottom tool storage section. Slide the filter bag onto the intake canister located on the bottom of the motor. The filter bag prevents dust from entering the motor. Dust and dirt will damage the motor and cause premature failure.
3. Clean the filter bag by shaking off the excess dirt. Store the clean bag in the lower storage compartment.
4. The Blo-Vac is equipped with a ball float to prevent water from entering the motor. If the ball float seals the motor inlet, the motor will sound different from usual. Immediately shut the unit off. Empty the recovery section and check the inlet screen for dirt and lint. Clean the screen and reassemble the Blo-Vac sections.

Line Carriers

Foam Line Carriers

These are the original line carriers made of high density poly-foam. As the line carrier travels through the conduit it provides a swabbing action cleaning out water and loose debris.



Figure 7
Foam Line Carrier

These carriers have a hook on one end for convenient attachment of a TAG-A-LONG line package and an eye on the other end for attachment of pull line. Foam line carriers are available for 1/2" - 6" conduit sizes (See Figure 7).

The Inflatables® Line Carriers

This patented device has less friction in the conduit and runs faster than the foam line carrier. The flexible nature of the inflatable carrier allows it to conform to the conduit diameter. It can pass over local obstructions that would stop a foam line carrier. This device can be vacuumed or blown through conduit. They are manufactured of tough durable nylon material and are available in four models covering 3/4"-6" conduit sizes (see Figure 8).

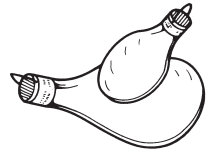


Figure 8
The Inflatables®

Missile Line Carriers

Molded of polyethylene plastic, these low friction carriers offer the highest speed of the three types of carriers. These carriers were developed for the CO₂ Electric Blowers and Blo-Vac systems for use in long and large conduit runs. If the line carrier encounters a blockage, the slotted skirt allows the carrier to be pulled out past joints or steps in the conduit. A hard tug on the pull line will cause the petals to turn inside out allowing for easy withdrawal. They are available in 2"-6" conduit sizes (see Figure 9).



Figure 9
Missile Line Carrier

Pull Line

Power Saver™ Line Package

A combination carrier and pull line, this is the easiest and most versatile line that can be installed in conduit. The self contained nylon line package comes in different sizes for 1/2", 3/4", and 1" conduit. It dispenses a line as the package is blown through the conduit (see Figure 10).



Figure 10
Power Saver
Line Package

Tag-A-Long™ Line Package

This package is designed for longer runs and must be used with a line carrier. The increased package diameter and length prevents the package from passing freely through or around bends in conduit less than 1-1/2". Once attached to the line carrier, the Tag-A-Long line package function and operation is similar to that of the Power Saver (see Figure 11).



Figure 11
Tag-A-Long
Line Package

Bulk Nylon Line

Unlike the Power Saver and Tag-A-Long packages which dispense a line as it moves through the conduit the bulk line package remains at the conduit entrance and the line is pulled into the conduit by a line carrier. The bulk line allows for longer conduit runs (up to 2200 ft.) and tensile strengths from 22 to 100 lbs (see Figure 12).

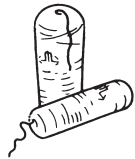


Figure 12
Bulk Pull Line

Pull Line

Jet Line stranded PL-series pull lines are designed specifically for conduit fishing. These lines are made of strong polyolefin plastic that will not rust, rot or mildew. The patented color coded binder strand spirals around a bundle of linear, monofilament that give almost friction free blowing and vacuuming. This line, considered the cadillac of pull line, is guaranteed to be free of knots or splices. It is available in lengths to 6500 ft and tensile strengths from 100 to 1000 lbs (see Figure 13).

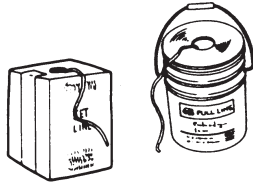


Figure 13
PL-Series Pull Line

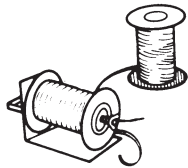


Figure 14
Conduit Measuring Tape

Conduit Measuring Tape

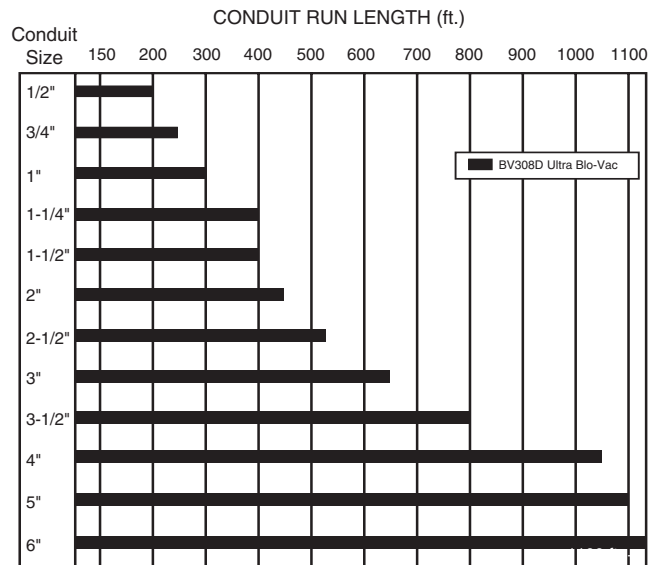
Marked in one foot increments, this tape is designed to be blown into conduit or duct runs to determine exact run length for accurate cable cutting without waste. Available in 3000 ft. rolls (see Figure 14).

Technical Specifications

Specifications	BV208DA Super Blo-Vac
Vacuum (Inches of Waterlift) Sealed Vacuum*	110"
Maximum Air Pressure (Pounds per square inch)*	4
Electrical Rating (Volts-Amps)	120 VAC 13.5A
Type of Motor	By-Pass
Number of Impeller Stages	2
Recovery Capacity (Gallons)	9**
Net Weight (Pounds)	44
Height with Cart (Inches)	39-3/4
Motor Brush Life (Hours)	750

* Will vary with voltage and atmospheric conditions.

** When using recovery compartment and tool storage compartment together.



Typical Run with four 90° bends and no obstructions or leaks, using Jet Line PL232 Pull Line and Foam Line Carrier.

REPAIR AND SERVICE INSTRUCTIONS: For repair service and parts contact your nearest Gardner Bender Service Center. The Service Center will provide complete and prompt service on all Gardner Bender products.

PARTS AND SERVICE: For quality workmanship and genuine Gardner Bender parts, select an Authorized GB Service Center for your repair needs. Only repairs performed by an Authorized Service Center displaying the official GB Authorized sign are backed with full factory warranty. Contact Gardner Bender (414) 352-4160 for the name of the nearest GB Authorized Service Center.

WARRANTY: Gardner Bender, INC. warrants its products against defects in workmanship and materials for 1 year from date of delivery to user. Chain is not warranted. Warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products or use of improper fluid.

WARRANTY RETURN PROCEDURE: When question of warranty claim arises, send the unit to the nearest GB Authorized Service Center for inspection, transportation prepaid. Furnish evidence of purchase date. If the claim comes under the terms of our warranty the Authorized Service Center will REPAIR OR REPLACE PARTS AFFECTED and return the unit prepaid.



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