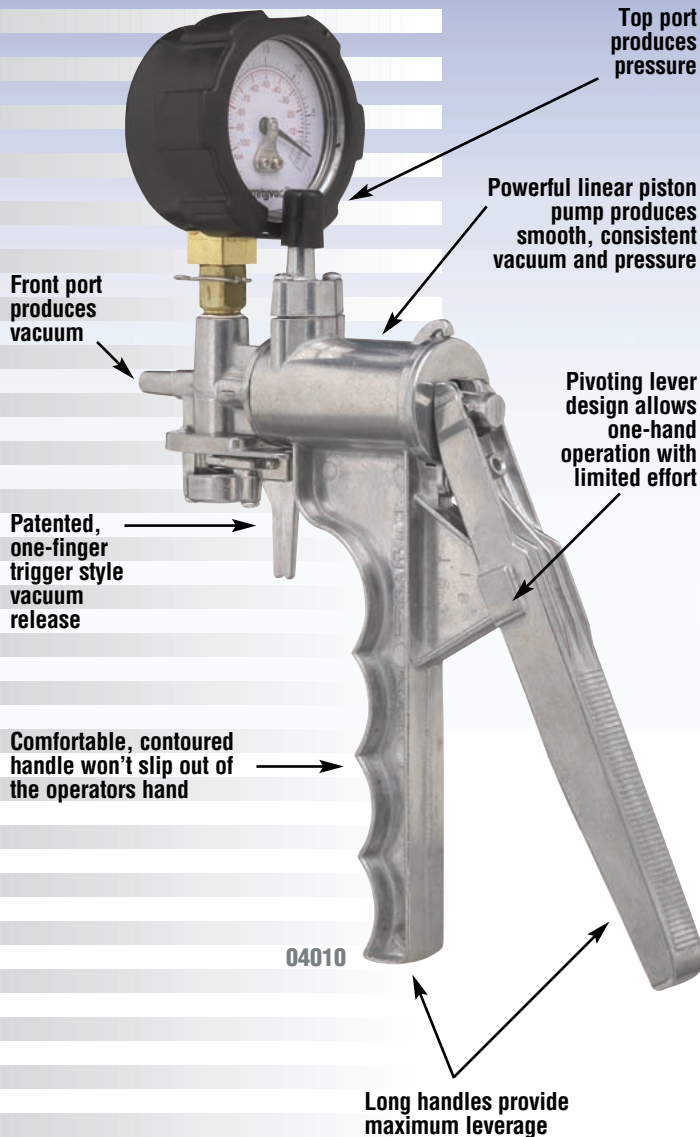


Hand Vacuum Pumps



Only Lincoln offers the original Mityvac hand vacuum/pressure pumps used by automotive technicians, service and maintenance professionals, engineers, scientists and Do-It-Yourselfers worldwide. No other hand vacuum pump on the market comes close to offering the features, quality, selection and accessories at such an outstanding value. Renowned for its versatility and virtually endless list of applications, the Mityvac hand pump has been supporting working professionals with unquestioned accuracy and reliability for over 25 years. In keeping with our tradition of innovation, Mityvac continues to expand our selection of pumps, pump kits and accessories, to better suit the needs of our customers.

Pump Features

Despite their seemingly simple design, Mityvac hand pumps offer a long list of unique features, many of them patent protected, which continue to make them superior to all other hand pumps on the market. Some of these features include:

Trigger Vacuum Release—All of our standard vacuum pumps feature trigger-style vacuum release. This patented design allows the operator to quickly and conveniently relieve the vacuum in the pump and system by reaching forward with one finger and pulling back on the trigger. It's easy and the operator doesn't have to release the pump or use a second hand. Not included on dual converter pumps.

Repairable—All Mityvac Silverline and Selectline hand pumps feature a simple, repairable design. Pumps require nothing more than a screwdriver or wrench to disassemble, and standard maintenance kits and replacement parts are available for most common service items.

In-line Piston Design—Mityvac hand pumps operate using a simple linear piston design that requires very few moving parts, and builds smooth, consistent vacuum or pressure throughout the length of each stroke. The pump handles operate on the principle of leverage to create a powerful vacuum with only limited effort from the operator. A natural, one-hand squeezing action creates vacuum on the forward stroke and pressure on the return.

Vacuum and Pressure Ports—The linear piston design found on Mityvac pumps, produces both vacuum and pressure with every stroke. Only Mityvac allows you to utilize both by including a vacuum port on the front of the pump and a pressure port on the top. Although the gauge included with our standard pumps indicates only vacuum, the pressure port can be utilized to dispense fluids or provide slight pressure during gravity or pressure bleeding.

Contoured Handle—Mityvac pumps feature a contoured handle design, making them comfortable to operate and keeping them secure in the operator's hand, even when they're greasy and slick.

Mityvac

Hand Vacuum Pumps

mityvac®
www.mityvac.com

Pump Options

One of the reasons Mityvac is the world leader in vacuum pumps is due to our extensive selection of available options. By offering a wide range of pump configurations, users can select exactly the pump they need for their application without having to settle for a pump that won't perform, or pay more for options they don't use. Whether purchasing a pump for brake bleeding, engine diagnostics, windshield repair, fluid transfer or any one of hundreds of other applications, Mityvac offers the pump that fits your requirements.

Metal or PVC

Unique to the industry, Mityvac offers two outstanding lines of hand vacuum/pressure pumps, our Silverline metal pumps and our Selectline PVC pumps.

Mityvac's Silverline pumps are constructed primarily of zinc-aluminum die cast components, giving them greater durability while keeping them lightweight. This additional level of durability is required for tough working environments such as maintenance or service shops. With a little care and maintenance, Silverline pumps will provide a lifetime of flawless performance.

Mityvac Selectline hand vacuum/pressure pumps feature a body molded of tough, durable PVC. These pumps are an exceptional value because they not only offer all the features of metal pumps, but they include some very attractive advantages as well:

Lightweight—a standard PVC pump without a gauge, weighs less than five ounces!

Non-marring—PVC is ideal for use around delicate finishes or in fragile applications such as windshield repair or in laboratories

Non-corrosive—PVC is unaffected by wet, humid conditions

Chemical Resistant—PVC is naturally chemical resistant, a great advantage for use in laboratories and many industrial applications

With or Without a Gauge

Most Mityvac hand vacuum pumps are available with or without a gauge. Whether or not you should purchase a pump with a gauge depends on economics and your intended application. For the most part, applications that can be performed without a gauge, can be performed with one. Having a gauge is an added benefit on most applications, even brake bleeding, and a requirement on others. It allows continuous monitoring while applying vacuum or pressure to a system, and it's the best way to capture a peak vacuum or pressure reading during a critical diagnostic test.

All Mityvac gauges are absolutely top quality. We've stopped at nothing to offer only the best gauges. All have undergone stringent testing prior to their selection, and feature smooth diaphragm movement for superior accuracy and durability without needle bounce.

Standard or Dual Converter

Many applications for Mityvac hand pumps require pressure rather than vacuum. For example, evaporative emission sensors included on automobiles to help meet new emissions standards, must be tested for accuracy using a pressure producing hand pump. Also, performing leak tests on cooling systems requires a pressure source. To fill the needs of the modern service technicians, Mityvac Selectline and Silverline Dual Pressure/Vacuum Pumps offer a switch that allows the operator to alternate between vacuum and pressure at the front port. These pumps offer the same durability and accuracy of our standard lines, and include a compound gauge that indicates both pressure and vacuum levels.

Standard or Superpump

How much volume do you want to move? That's the question to ask when deciding between the Mityvac standard pump and Mityvac Superpump.

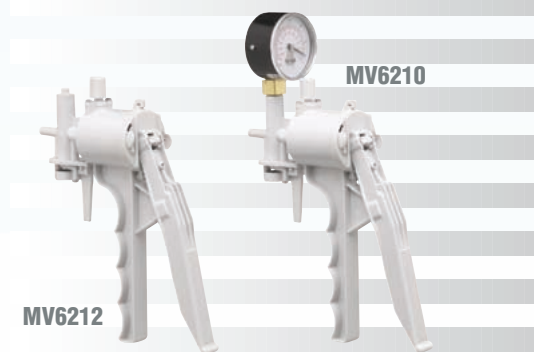
Our standard pump displaces 1 cu. in. (16 cc) per stroke, ideal for transferring volumes of fluid less than 1 quart (950 ml), and it provides superior control when performing diagnostics on engines and other vacuum controlled functions and equipment.

On the other hand, the Mityvac Selectline Superpump displaces twice the volume per stroke, up to 2 cu. in. (32cc), as our standard pump; making it more efficient when moving volumes greater than 1 quart (950 ml). It's ideal for larger brake bleeding applications on cars and trucks, or when dedicated to transferring or siphoning larger volumes of fluid.



04010

MV6203



MV6212

MV6210



04010

04555



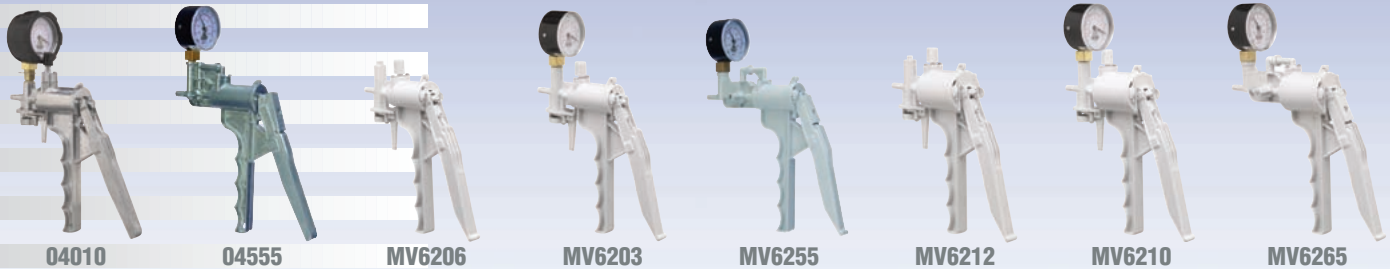
MV6203

MV6210

Hand Vacuum Pumps

Hand Vacuum Pumps

Mityvac offers a selection of eight basic hand-held vacuum/pressure pump models, two Silverline and six Selectline. Each is featured in the chart below, and differentiated by a combination of features and options described on the previous pages. By offering such a wide selection, you can maximize the value and performance of your hand pump by choosing the exact features that best meet the requirements of your application.



Model No.	Description	Material	Vol. per Stroke	Gauge ¹	Dual Converter ²	Weight	Max. Vacuum	Max. Pressure ³		Maintenance Kit ⁴	Replacement Gauge
								Unassisted	Assisted		
04010	Silverline Vacuum Pump, 16cc w/ gauge	Aluminum/ Zinc	1 cu. in. 16cc	Yes	No	1.5 lbs 1.0 kg	25 in Hg 85 kPa	15 psi 103 kPa	30+ psi 207+ kPa	04100	06172
04555	Silverline Vacuum Pump, 16cc, w/ gauge, DC				Yes	1.4 lbs 0.6 kg					06170
MV6206	Selectline Vacuum Pump, 16cc	Engineered Resin	1 cu. in. 16cc	No	No	4.9 oz 140 g		12 psi 82 kPa	25 psi 172 kPa	06100	N/A
MV6203	Selectline Vacuum Pump, 16cc w/ gauge				Yes	8.8 oz 250 g					06171
MV6255	Selectline Vacuum Pump 16cc w/ gauge, DC				Yes	9.1 oz 258 g		06170			
MV6212	Superpump Vacuum Pump, 32cc	Engineered Resin	2 cu. in. 32cc	No	No	5.2 oz 147 g		7 psi 48 kPa	16 psi 110 kPa	MVM5100	N/A
MV6210	Superpump Vacuum Pump, 32cc w/ gauge				Yes	9.5 oz 269 g					06171
MV6265	Superpump Vacuum Pump, 32cc, w/ gauge, DC				Yes	9.4 oz 266 g					06170

¹ Mityvac vacuum gauges are scaled 0 - 30 inches of Mercury (0 - 100 kPa). Compound gauges included on dual vacuum/pressure converter pumps are scaled 0 - 30 psi (0 - 200 kPa) pressure, and 0 - 30 inches of Mercury (0 - 100 kPa) vacuum.

² All Mityvac pumps produce vacuum and pressure, and include ports for accessing both. However, only dual vacuum/pressure converter pumps allow switching between vacuum and pressure at the front port, and include a compound gauge for indicating levels of both.

³ Mityvac pumps produce pressure on the spring actuated return stroke. "Unassisted" pressure is the resultant pressure produced by the spring return force. When an operator presses on the back of the handle during the return stroke, this is referred to as "Assisted" pressure.

⁴ Maintenance kits include components necessary to perform routine maintenance on Mityvac pumps.

* Refer to the Mityvac pump introduction (pages 2 and 3) for information on features and options indicated above.

** All Mityvac pump vacuum and pressure ports fit standard 1/4" (6.4 mm) ID tubing.

*** Models listed above are individually packaged. Bulk packaging is available with special pricing on purchases of 100 units or greater. Contact your Lincoln sales or customer service representative for details.

For accessories, see pages 16 - 20.



Mityvac

Hand Vacuum Pump Kits

Mityvac pump kits combine our hand vacuum/pressure pumps with accessories carefully selected to provide the most comprehensive kits available for automotive servicing. Mityvac offers kits for simple, clean and quick one-person brake bleeding, as well as more extensive kits for testing and diagnosing hundreds of automotive related functions. With our Selectline, Silverline and Silverline Plus automotive kits, you can test and diagnose:

- Turbocharger solenoids
- Emission control systems
- EGR valves
- Vacuum gauges
- Diesel piston pin retainer leaks
- Mechanical fuel pumps
- Diesel valves
- Air/Fuel mixtures
- Turbocharger wastegates
- Ignition timing
- Distributor vacuum advance/retard mechanisms
- Carburetor adjustments & service
- Carburetor chokes
- Air conditioner/heating controls
- Vacuum actuated accessories
- Valve stem oil seals
- Mechanical & electrical vacuum pumps
- Power brakes
- Computerized engine control systems
- Automatic transmissions

Silverline Pumps

04000 Silverline Automotive Kit

Mityvac's Silverline hand vacuum/pressure pumps and kits are designed for the service professional. The 04000 kit features our durable aluminum die cast pump, and includes accessories carefully selected for maximum versatility. All components come packed in a tough custom-molded case.

Kit Includes:

- Mityvac Silverline hand vacuum/pressure pump (Model No. 04010) with 2" (50 mm) diameter gauge and rubber boot protector
- 4.5 oz (135 ml) fluid reservoir bottle with fluid transfer and storage lids
- 7 Tapered adapters for connecting to tubing from .090" to .50" ID (2.3 mm to 13 mm ID)
- 2 Tapered manifold plugs
- 3 Bleed screw adapters
- 2 1/4" ID x 24" long (6.4 mm ID x 610 mm long) connection tube
- 5/32" ID x 1/4" ID (4 mm ID x 6.4 mm ID) tubing adapter
- 1/4" ID x 1 1/2" long (6.4 mm ID x 40 mm long) connection tube
- 5/32" ID x 3" long (4 mm ID x 75 mm long) connection tube
- 1/4" ID x 3 5/8" long (6.4 mm ID x 90 mm long) connection tube
- Rubber cupped adapter • Custom-molded case • User manual (English/French/Spanish/German)

Specifications:

Packaged Weight:	3.3 lbs (1.5 kg)
Packaged Size:	12" x 8" x 3 3/8" (305 mm x 205 mm x 85 mm)

04050 Silverline Plus Automotive Kit

The Silverline Plus is our top of the line kit. It includes the Mityvac patented, exclusive dual pressure/vacuum converter pump with compound gauge, which quickly changes from vacuum to pressure at the turn of a switch. A must-have for any service professional, this pump and accessories cover all vacuum and pressure related automotive diagnostics.

Kit Includes:

- Mityvac Silverline dual vacuum/pressure converter pump (Model No. 04555) with 2" (50 mm) diameter compound gauge
- 4.5 oz (135 ml) fluid reservoir bottle with fluid transfer and storage lids
- 12 Vacuum cap plugs
- 7 Tapered adapters for connecting to tubing from .090" to .50" ID (2.3 mm to 13 mm ID)
- 2 Tapered manifold plugs
- 3 Bleed screw adapters
- 2 1/4" ID x 24" long (6.4 mm ID x 610 mm long) connection tube
- 5/32" ID x 1/4" ID (4 mm ID x 6.4 mm ID) tubing adapter
- 1/4" ID x 1 1/2" long (6.4 mm ID x 40 mm long) connection tube
- 5/32" ID x 3" long (4 mm ID x 75 mm long) connection tube
- 1/4" ID x 3 5/8" long (6.4 mm ID x 90 mm long) connection tube
- Master Cylinder Refill Kit (Model No. MVA6825)
- Rubber cupped adapter • Custom-molded case • User manual (English/French/Spanish/German)

Specifications:

Packaged Weight:	3.9 lbs (1.8 kg)
Packaged Size:	12" x 8" x 3 3/8" (305 mm x 205 mm x 85 mm)



04000



04050

Hand Vacuum Pump Kits



07000



Mityvac Pumps

07000 Automotive Tune-up and Brake Bleeding Kit

This is the original Mityvac hand vacuum/pressure pump kit used by service professionals worldwide for performing hundreds of automotive diagnostic and mechanical tests and for one-person brake bleeding. The 07000 kit contains our most popular Selectline hand vacuum/pressure pump with vacuum gauge and accessories.

Kit Includes:

- Selectline hand vacuum/pressure pump (Model No. MV6203) with 2" (50 mm) diameter gauge
- 4.5 oz (135 ml) fluid reservoir bottle with fluid transfer and storage lids
- 7 Tapered adapters for connecting to tubing from .090" to .50" (2.3 mm to 13 mm) ID
- 2 Tapered manifold plugs
- 3 Bleed screw adapters
- 2 1/4" ID x 24" long (6.4 mm ID x 610 mm long) connection tube
- 5/32" ID x 1/4" ID (4 mm ID x 6.4 mm ID) tubing adapter
- 1/4" ID x 1 1/2" long (6.4 mm ID x 40 mm long) connection tube
- 5/32" ID x 3" long (4 mm ID x 75 mm long) connection tube
- 1/4" ID x 3 5/8" long (6.4 mm ID x 90 mm long) connection tube
- Rubber cupped adapter
- User manual (English/French/Spanish/German)

Specifications:

Packaged Weight:	1.2 lbs (0.54 kg)
Packaged Size:	12" x 10" x 1 1/4" (305 mm x 250 mm x 32 mm)
Pump Displacement:	1 cu. in. (16 cc) per stroke
Max. Vacuum:	25 in. Hg (85 kPa)
Max. Pressure:	25 psi (172 kPa)
Gauge Indication:	0 - 30 in. Hg (0 - 100 kPa)



06820

06820 Brake Bleeding Kit

Includes the original Selectline hand vacuum/pressure pump and all accessories necessary to perform one-person brake bleeding on automobiles, motorcycles, ATVs, snowmobiles, etc. Also works great for siphoning or transferring fluids from tanks and reservoirs.

Kit Includes:

- Selectline hand vacuum/pressure pump (Model No. MV6206)
- 4.5 oz (135 ml) fluid reservoir bottle with fluid transfer and storage lids
- 3 Tapered adapters for connecting to tubing from 0.09" to 0.2" ID (2.3 mm to 5 mm ID)
- 3 Bleed screw adapters
- 5/32" ID x 1/4" (4 mm ID x 6.4 mm) tubing adapter
- 1/4" ID x 1 1/2" long (6.4 mm ID x 40 mm long) connection tube
- 5/32" ID x 3" long (4 mm ID x 75 mm long) connection tube
- 1/4" ID x 3 5/8" long (6.4 mm ID x 90 mm long) connection tube
- 1/4" ID x 24" long (6.4 mm ID x 610 mm long) connection tube
- User manual (English/French/Spanish/German)

Specifications:

Packaged Weight:	12.8 oz (360 g)
Packaged Size:	10 1/4" x 7 1/2" x 2 1/4" (260 mm x 190 mm x 57 mm)
Pump Displacement:	1 cu. in. (16 cc) per stroke
Max. Vacuum:	25 in. Hg (85 kPa)
Max. Pressure:	25 psi (172 kPa)

Mityvac

Hand Vacuum Pump Kits

MV6815 Superpump Brake Bleeding Kit

Cut your brake and clutch bleeding time in half! This outstanding bleed kit features our one-of-a-kind Mityvac Superpump, capable of displacing over twice the volume per stroke of any other hand vacuum pump on the market. In addition, the kit includes our extra large 16 oz (475 ml) fluid reservoir with hanging hook and Mityvac's new universal bleed screw adapter.

Kit includes:

- Mityvac Superpump hand vacuum/pressure pump (Model No. MV6212)
- 16 oz (475 ml) fluid reservoir with fluid transfer and storage lids
- 2 Universal bleed screw adapters
- 2 Tapered bleed screw adapters
- (2) 1/4" ID x 24" long (6.4 mm ID x 610 mm long) connection tubes
- Reservoir hanging hook
- 1/4" ID x 6" long (6.4 mm ID x 150 mm long) fluid pick-up tube
- User manual (English/French/Spanish/German)

Specifications:

Packaged Weight:	1.2 lbs (0.54 kg)
Packaged Size:	10 1/4" x 7 1/2" x 3" (260 mm x 190 mm x 75 mm)
Pump Displacement:	2 cu. in. (32 cc) per stroke
Max. Vacuum:	25 in. Hg (85 kPa)
Max. Pressure:	16 psi (110 kPa)



MV6815

MV6817 Superpump Brake Bleeding Kit with Auto Refill

This kit is the same as Model MV6815 but also includes the Mityvac MVA6825 master cylinder refill system.

Kit includes:

- Mityvac Superpump hand vacuum/pressure pump (Model No. MV6212)
- 16 oz (475 ml) fluid reservoir with fluid transfer and storage lids
- 2 Universal bleed screw adapters
- 2 Tapered bleed screw adapters
- (2) 1/4" ID x 24" long (6.4 mm ID x 610 mm long) connection tubes
- Reservoir hanging hook
- 1/4" ID x 6" long (6.4 mm ID x 150 mm long) fluid pick-up tube
- User manual (English/French/Spanish/German)

Specifications:

Packaged Weight:	1.5 lbs (0.68 kg)
Packaged Size:	10 1/4" x 7 1/2" x 3" (260 mm x 190 mm x 75 mm)
Pump Displacement:	2 cu. in. (32 cc) per stroke
Max. Vacuum:	25 in. Hg (85 kPa)
Max. Pressure:	16 psi (110 kPa)



MV6817



Includes MVA6825 Master Cylinder Refill System