

Mityvac[®]

Hand Vacuum/Pressure Pumps

www.mityvac.com

Pump Options

One of the reasons Mityvac is the world leader in hand 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

The standard Mityvac Selectline hand vacuum pump is 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 gearless patented 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, a turbocharger wastegate requires pressure to test for proper function and accuracy. It's also convenient for testing cooling systems to determine the source of leaks that can lead to overheating and severe engine damage. To fulfill the needs of 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 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.

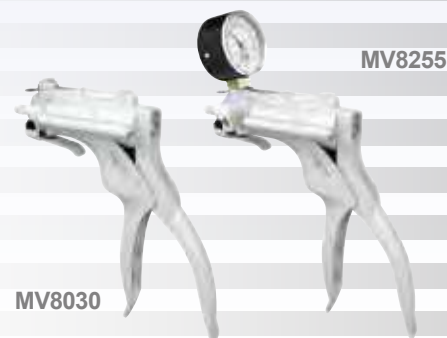
Our standard pump displaces 1 cu. in. (16 cc) per stroke, ideal for transferring volumes of fluid less than 1 qt. (950 ml), and it provides superior control when performing diagnostics on engines and other vacuum controlled functions and equipment.

On the other hand, the Mityvac Selectline Superpump displaces twice the volume per stroke, up to 2 cu. in. (32 cc), as our standard pump; making it more efficient when moving volumes greater than 1 qt. (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.



MV8510

MV8010



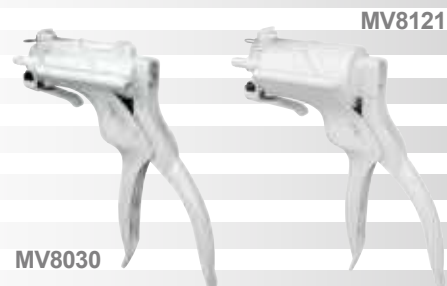
MV8030

MV8255



MV8010

MV8255

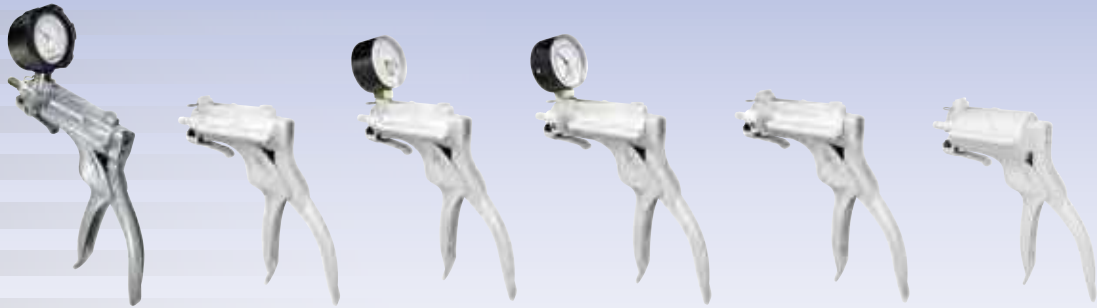


MV8030

MV8121

Hand Vacuum/Pressure Pumps

Mityvac offers a selection of six basic hand-held vacuum/pressure pump models, one Silverline and five 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.	MV8510*	MV8030	MV8010*	MV8255*	MV8257	MV8121
Description	Silverline Vacuum/Pressure Pump, 16 cc with gauge	Selectline Vacuum Pump, 16 cc	Selectline Vacuum Pump, 16 cc, with gauge	Selectline Vacuum Pump, 16 cc, with gauge, DC	Selectline Vacuum Pump, 16 cc, DC	Selectline Superpump Vacuum Pump, 32 cc
Material	Zinc/Aluminum	PVC				
Vol./Stroke	1 cu. in. (16 cc)					2 cu. in. (32 cc)
Gauge ¹	Yes	No	Yes		No	
Dual Converter ²	Yes	No		Yes		No
Weight	2.5 lbs. (1.3 kg)	6.9 oz (194 g)	11 oz (313 g)	11.5 oz (326 g)	12.2 oz (345 g)	11.7 oz (332 g)
Max. Vacuum	25 in Hg (85 kPa)					
Max. Pressure ²	30+ psi (207+ kPa)	N/A		30 psi (207 kPa)		N/A
Maintenance Kit ³	MVM8900*	MVM8901*		MVM8903		MVM8902
Replacement Gauge	MVA6176*	N/A	MVA6178*	MVA6181*	N/A	

* **⚠ WARNING** California Proposition 65: Cancer and reproductive harm. www.P65Warnings.ca.gov

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

² All Mityvac pumps produce vacuum at the front port. Dual converter pumps are capable of producing vacuum or pressure at the front port. A rotating knob on the side of the pump allows the operator to switch between vacuum and pressure. Dual converter pumps include a compound gauge for indicating levels of both.

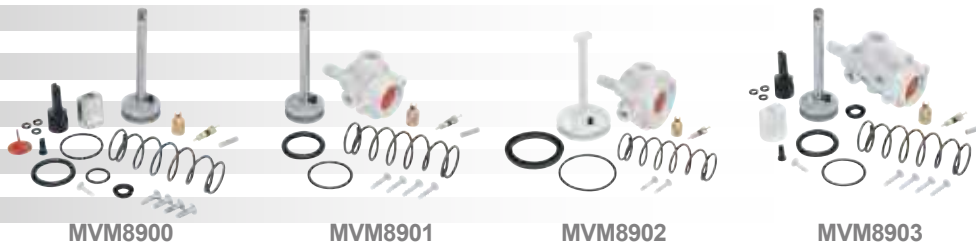
³ Maintenance kits include components necessary to perform routine maintenance on Mityvac pumps. Other service parts are available and indicated in the pump service manual.

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

All Mityvac pump vacuum/pressure ports fit standard ¼ in. (6.4 mm) ID tubing.

Models listed in the chart above are individually packaged. Special 100 piece bulk packaging is available for pump model MV8030.

Contact your Lincoln/Mityvac sales or customer service representative for details.



Service Kits for Discontinued Hand Pump Models

Model No.	Service Kit
04010	MVM4100*
04555	MVM4100
MV6206	MVM6100
MV6203	MVM6100
MV6255	MVM6100
MV6212	MVM5100
MV6210	MVM5100
MV6265	MVM5100



MVA6176



MVA6178



MVA6181

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Hand Pump Kits

Selectline Pump Kits

MV8000* Automotive Tune-up and Brake Bleeding Kit

This is the original Mityvac hand vacuum pump kit used by service professionals worldwide for performing hundreds of automotive diagnostic and mechanical tests and for one-person brake bleeding. The MV8000 kit contains our most popular Selectline hand vacuum pump with vacuum gauge and accessories.

Kit Includes:

- Selectline hand vacuum pump (Model MV8010) with 2 in. (50 mm) gauge
- 4.5 oz. (135 ml) fluid reservoir bottle with/ fluid transfer and storage lids
- 4 tapered adapters for connecting to tubing from .09 to .50 in. (2.3 to 13 mm) ID
- 2 tapered manifold plugs
- 2 tapered bleed screw adapters
- 2 universal bleed screw adapters
- Vacuum line T-adaptor
- $\frac{5}{32}$ in. (4 mm) ID x $\frac{1}{4}$ in. (6.4 mm) ID tubing adapter
- Rubber cupped adapter
- (2) $\frac{1}{4}$ in. (6.4 mm) ID x 24 in. (610 mm) long connection tubes
- $\frac{1}{4}$ in. (6.4 mm) ID x $1\frac{1}{2}$ in. (40 mm) long connection tube
- $\frac{1}{4}$ in. (6.4 mm) ID x $3\frac{5}{8}$ in. (90 mm) long fluid pick-up tubes
- $\frac{5}{32}$ in. (4 mm) ID x 3 in. (75 mm) long vacuum test tube
- User's manual (English, French, Spanish)

Specifications:

Packaged weight:	1.5 lbs. (0.69 kg)
Packaged size:	12 x 10 x 2.3 in. (305 x 250 x 60 mm)
Pump displacement:	1 cu. in. (16 cc) per stroke
Max. vacuum:	25 in. Hg (85 kPa)
Gauge indication:	0–30 in. Hg (0–100 kPa)

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MV8020* Brake Bleeding Kit

Includes the original Selectline hand vacuum 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 pump (Model MV8030)
- 4.5 oz (135 ml) fluid reservoir bottle with fluid transfer and storage lids
- 2 tapered bleed screw adapters
- 2 universal bleed screw adapters
- $\frac{1}{4}$ in. ID x $1\frac{1}{2}$ in. long (6.4 mm ID x 40 mm long) connection tube
- $\frac{1}{4}$ in. ID x 24 in. long (6.4 mm ID x 610 mm long) connection tube
- User manual (English/French/Spanish)

Specifications:

Packaged weight:	1.1 lbs. (.50 kg)
Packaged size:	12 x 10 x 2.3 in. (305 x 250 x 60 mm)
Pump displacement:	1 cu. in. (16 cc) per stroke
Max. vacuum:	25 in. Hg (85 kPa)

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MV8000



MV8020

See pages 7-12 for
hand pump accessories

Brake & Clutch Bleeding Equipment



MV8020

Mityvac offers several great options to meet your unique hydraulic brake and clutch bleeding requirements. Our hand pump, manual pressure bleeder and selection of manual and compressed air-operated vacuum bleeders provide a clean, economic one-person method of removing old fluid and trapped air from hydraulic systems. Each is designed and manufactured for exceptional performance, and includes a selection of convenient, time-saving accessories.

MV8020* Brake Bleeding Kit

Includes the original Selectline hand vacuum 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 pump (Model MV8030)
- 4.5 oz (135 ml) fluid reservoir bottle with fluid transfer and storage lids
- 2 tapered bleed screw adapters
- 2 universal bleed screw adapters
- ¼ in. ID x 1½ in. long (6.4 mm ID x 40 mm long) connection tube
- ¼ in. ID x 24 in. long (6.4 mm ID x 610 mm long) connection tube
- User manual (English/French/Spanish)

Specifications:

Pump displacement:	1 cu. in. (16 cc) per stroke
Max. vacuum:	25 in. Hg (85 kPa)
Packaged weight:	1.1 lbs. (.50 kg)
Packaged size:	12 x 10 x 2.3 in. (305 x 250 x 60 mm)

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MV6830

MV6830* Vacuum Brake Bleeder

The compressed-air-operated MV6830 offers professional-grade brake and clutch bleeding performance. This compact yet powerful unit bleeds up to 2 qt. (1.9 l) per minute, and its simple operation allows clean, quick bleeding of brake and clutch lines. Kit includes an advanced selection of accessories that ensure maximum convenience and performance for greater productivity.

Features:

- Compressed air operation
- Integrated 1.9 qt. (1.8 l) capacity fluid collection reservoir
- Variable control thumb throttle
- Swivel air inlet with quick-disconnect
- Quick-disconnect coupler for accessories
- Quiet, muffled exhaust
- Automatic overflow prevention

Includes:

- Brake bleeder
- 6 ft. (1.8 m) bleed hose assembly
- 4 ft. (1.2 m) fluid evacuation hose
- Molded base with screws for bench mounting
- Automatic fluid refill kit (MVA6825)
- Hanging hook
- 3 Universal bleed screw adapters
- User manual (English/French/Spanish/German)

Specifications:

Reservoir capacity:	1.9 qt. (1.8 l)
Working pressure:	60 to 150 psi (4.1 to 10.3 bar)
Vacuum @ 90 psi (6.2 bar):	26 in. Hg (88 kPa)
Air consumption @ 90 psi (6.2 bar):	4.3 cfm (2.0 l/s)
Flow rate:	@ 60 psi (4.1 bar): 50 oz/min (1460 ml/min) @ 90 psi (6.2 bar): 70 oz/min (2100 ml/min) @ 150 psi (10.3 bar): 70 oz/min (2100 ml/min)
Inlet thread size:	¼ in. NPT
Packaged weight:	5.0 lbs. (2.3 kg)
Size (tall x dia.):	9 x 6.5 in. (230 x 150 mm)

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