

# mityvac®

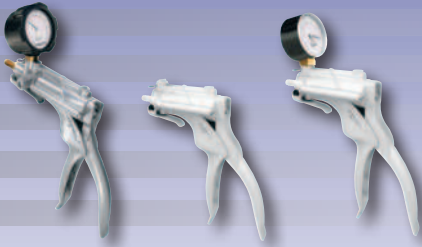
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## Automotive & Vacuum-Related Tools & Equipment



For more details and most up-to-date information, visit [www.mityvac.com](http://www.mityvac.com)

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## ***Hand Vacuum/Pressure Pumps, Kits & Accessories*** **4**

Mityvac offers a wide selection of metal and PVC vacuum/pressure hand pumps and hand pump kits for automotive and other specialty applications. A selection of individual pumps is offered on page 4, while our most popular automotive test kits can be found on page 5. Pages 2 and 3 describe the features and options of our pumps to help you select a model to maximize the value and performance for your application.



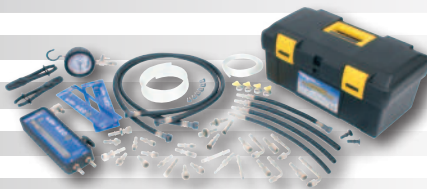
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Mityvac fluid evacuators and dispensers are ideal for removing or adding fluids to small tanks and reservoirs. All units are lightweight and portable, and include integrated reservoirs with capacities ranging from 1.9 quarts (1.8 liters) to 5 gallons (20 liters). Applications including evacuating and filling or topping-off engine oil, coolants, transaxle grease and power steering, transmission and brake fluid. The new line of tools working with shop air MV7100 switches easily between vacuum and pressure.



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Mityvac offers several great options to meet your unique hydraulic brake and clutch bleeding requirements. Our selection includes manual or compressed-air models for vacuum or pressure bleeding. All 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 and time-saving accessories.



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Mityvac offers a selection of specialty tools and equipment designed for those unique applications where just the right product can greatly simplify an application or job.

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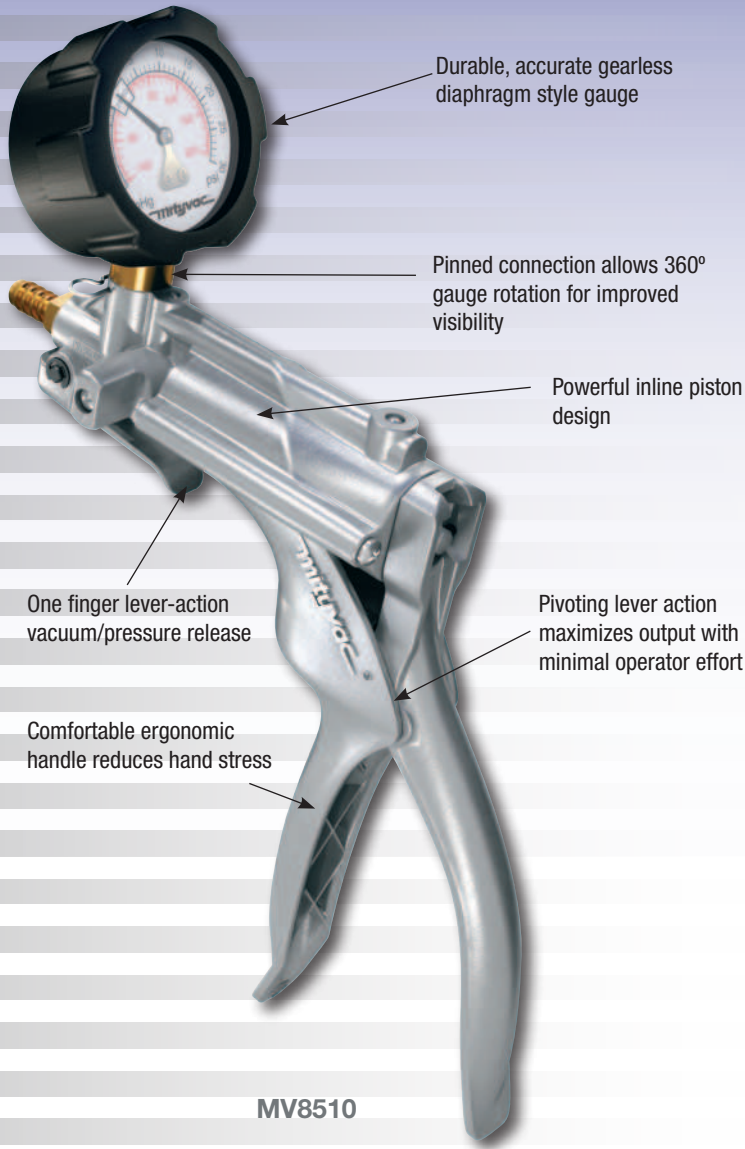


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# Hand Vacuum/Pressure Pumps, Kits & Accessories



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 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 30 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:

### Lever Vacuum/Pressure Release

All of our hand pumps feature lever-style vacuum/pressure release. This unique feature allows the operator to quickly and conveniently relieve the vacuum or pressure in the pump and system by reaching forward with one finger and lifting up on the lever. It's easy and the operator doesn't have to release the pump or use a second hand.

### Repairable

All Mityvac **Silverline** and **Selectline** hand pumps feature a simple, repairable design. Pumps require nothing more than a screwdriver 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 or pressure with only limited effort from the operator. A natural, one-hand squeezing action creates vacuum or pressure on the squeeze stroke.

### Contoured Handle

Mityvac pumps feature an ergonomic handle design, making them comfortable to operate and keeping them secure in the operator's hand, even when they're greasy and slick.



# Mityvac<sup>®</sup> Hand Vacuum/Pressure Pumps

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## 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 **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

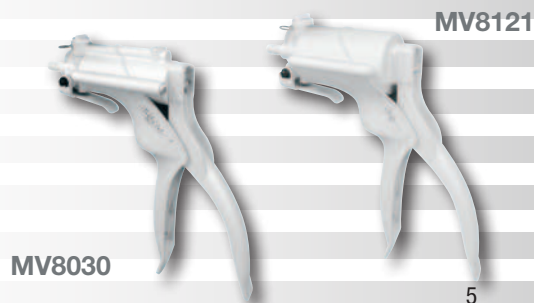
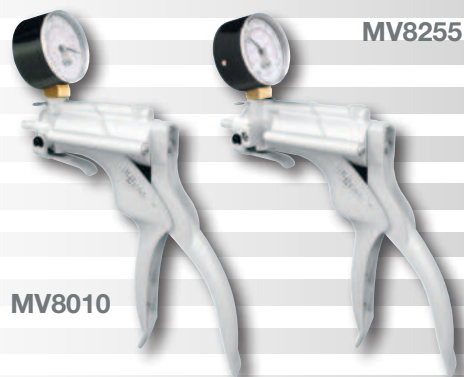
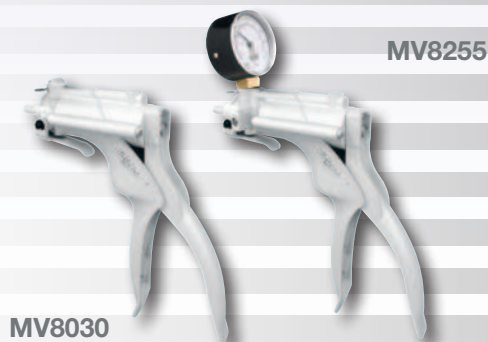
The standard Mityvac Selectline hand vacuum pump is available with or without a gauge. Whether or not you should purchase a pump with a gauge depends on economics and your intended application. For the most part, applications that can be performed without a gauge, can be performed with one. Having a 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.



# 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 Super-pump Vacuum Pump, 32 cc
Material	Zinc/Aluminum	PVC				
Vol./Stroke	1 in. <sup>3</sup> (16 cm <sup>3</sup> )	2 in. <sup>3</sup> (32 cm <sup>3</sup> )				
Gauge 1	Yes	No	Yes		No	
Dual Converter <sup>2</sup>	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 <sup>2</sup>	30+ psi (207+ kPa)	N/A		30 psi (207 kPa)		N/A
Maintenance Kit <sup>3</sup>	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](http://www.P65Warnings.ca.gov)

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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 →4 and →5) 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.



# Hand Pump Kits

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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 **Silverline Elite** and **Selectline** automotive kits, you can test and diagnose:

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

## Silverline Pump Kit

### MV8500\* Silverline Elite Automotive Kit

Designed with proven features from the renowned Mityvac pumps, the MV8500 Silverline Elite Automotive Kit delivers both vacuum and pressure. The dual capability of the new Mityvac hand pump combines two pumps into one. It will streamline your tool inventory while greatly extending its vehicle service applications.

#### Features/Benefits

- Provides either vacuum or pressure with equal precision and convenience
- Features modern, ergonomic design for comfortable, long-term use
- Performs engine performance diagnostics, brake bleeding, fluid transfer, evacuation, sampling, windshield repair and more
- Includes components needed to perform numerous diagnostic and mechanical tests
- Field serviceable - standard maintenance kits and replacement parts are available

#### Kit Includes:

- **Silverline Elite** hand vacuum/pressure pump (Model **MV8510**) with 2 in. (50 mm) diameter compound gauge and rubber boot
- 4.5 oz. (135 ml) fluid reservoir bottle with fluid transfer and storage lids
- Four (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
- 12 vacuum cap plugs
- Vacuum line T-adaptor
- 5/32 in. (4 mm) ID x 1/4 in. (6.4 mm) ID tubing adapter
- Rubber cupped adapter
- (2) 1/4 in. (6.4 mm) ID x 24 in. (610 mm) long connection tubes
- 1/4 in. (6.4 mm) ID x 1 1/2 in. (40 mm) long connection tube
- 1/4 in. (6.4 mm) ID x 3 5/8 in. (90 mm) long fluid pick-up tubes
- 5/32 in. (4 mm) ID x 3 in. (75 mm) long vacuum test tube
- **Master cylinder refill kit** (Model **MVA6825**)
- Custom molded case
- User's manual (English, French, Spanish)

#### Specifications:

<b>Packaged weight</b>	5.5 lbs. (2.5 kg)
<b>Packaged size</b>	12.9 x 9.8 x 4.5 in. (330 x 250 x 115 mm)



MV8500

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See pages →9-14 for hand pump accessories.



# 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
- Four (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
- 12 vacuum cap plugs
- 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:

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

### 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
- Four (4) tapered adapters for connecting to tubing from .09 to .50 in. (2.3 to 13 mm) ID
- 2 tapered bleed screw adapters
- 2 universal bleed screw adapters
- Rubber cupped adapter
- $\frac{1}{4}$  in. (6.4 mm) ID x  $1\frac{1}{2}$  in. (40 mm) long connection tube
- $\frac{1}{4}$  in. (24 mm) ID x  $3\frac{5}{8}$  in. (610 mm) long connection tube
- $\frac{5}{32}$  in. (4 mm) ID x 3 in. (75 mm) long vacuum test tube
- User's manual (English, French, Spanish)

#### Specifications:

<b>Packaged weight:</b>	1.1 lbs. (0.50 kg)
<b>Packaged size:</b>	12 x 10 x 2.3 in. (305 x 250 x 60 mm)
<b>Pump displacement:</b>	1 cu. in. (16 cc) per stroke
<b>Max. vacuum:</b>	25 in. Hg (85 kPa)



MV8000



MV8020

\* **WARNING** California Proposition 65: Cancer and reproductive harm.  
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# Hand Pump Accessories

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## MVA670 Power Steering Adapter Kit

For use with Mityvac hand vacuum pumps to remove trapped air from power steering systems. Each adapter is designed to fit snugly in the neck of the power steering reservoir to form an air-tight seal when vacuum is applied. Includes **MVA660**, **MVA661** and **MVA662**.

### Specifications:

<b>Packaged weight</b>	0.6 lbs. (0.273 kg)
<b>Packaged size</b>	5 x 4 x 3 in. (127 x 102 x 77 mm)

## MVA660 Universal Power Steering Adapter

For use with Mityvac hand vacuum pumps to reduce bleed time following power steering repairs. Rubber, cone-shaped design that seals pump necks ranging from 5/8 up to 15/8 in. (16 up to 41 mm) internal diameter.

### Specifications:

<b>Packaged weight</b>	0.2 lbs. (0.09 kg)
<b>Packaged size</b>	1.6 x 3 in. (40 x 395 mm)

## MVA661 GM Power Steering Adapter

Designed for sealing GM power steering pumps with a two-tab cap design.

### Specifications:

<b>Packaged weight</b>	0.2 lbs. (0.09 kg)
<b>Packaged size</b>	3.5 x 3.2 x 3.2 in. (90 x 80 x 80 mm)

## MVA662 Ford Power Steering Adapter

Seals Ford power steering pump necks having an internal diameter of 1 1/4 or 2 in. (32 or 50 mm).

### Specifications:

<b>Packaged weight</b>	0.2 lbs. (0.09 kg)
<b>Packaged size</b>	3.5 x 3.2 x 3.2 in. (90 x 80 x 80 mm)

## MVA665 90-degree Power Steering Adapter

90-degree barbed connector available separately and can be interchanged with the inline connector on **MVA661** and **MVA662** for applications with limited overhead.

### Specifications:

<b>Packaged weight</b>	0.2 lbs. (0.09 kg)
<b>Packaged size</b>	3.5 x 3.2 x 3.2 in. (90 x 80 x 80 mm)

## MVA360\* Cooling System Test Hose

Allows Mityvac hand pressure pumps to be used with any of the **MVA100** and **MVA200** series cooling system test adapters (see page →41) to test automotive cooling systems and cooling system caps for leaks that can lead to overheating and severe engine damage.

### Specifications:

<b>Weight</b>	0.2 lbs. (0.09 kg)
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## MVA6007\* Dual Adapter Bleed Kit

This specially designed accessory attaches to Mityvac hand vacuum/pressure pumps and vacuum brake bleeding equipment for simultaneous bleeding of motorcycle dual caliper brake systems. Includes clear 1/4 in. (6.4 mm) ID hoses and two universal bleed adapters.

### Specifications:

<b>Weight</b>	0.2 lbs. (0.09 kg)
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MVA670



MVA660



MVA661



MVA662



MVA665



MVA360



MVA6007

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# Hand Pump Accessories



MVA6010

## MVA6010\* Fluid Transfer Accessory Kit

Model MVA6010 extends the applications of Mityvac hand vacuum/pressure pumps to include dispensing and evacuating fluids, and pressure brake bleeding. It includes a 1 qt (1 l) bottle that can be filled with fluid and pressurized with a hand pump for dispensing, or a hand pump can be used to create a vacuum in the bottle for evacuating fluids from small reservoirs. It conveniently connects to both the Mityvac pressure bleed adapters and ATF refill adapters. Hand pump and adapters must be purchased separately. See pages →15 and →22 for compatible ATF refill and brake bleed adapters.

### Kit Includes:

- 1 qt. (1 l) fluid reservoir with cap and hanging chain
- 8 ft. (2.4 m) long pressure/vacuum inlet hose
- 5 ft. (1.5 m) long fluid dispensing hose with quick-change coupler
- Fluid dispensing wand
- (2) connection clamps
- User's manual (English, French, Spanish)

### Specifications:

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**Weight:** 1.9 lbs. (0.86 kg)

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MVA6005

## MVA6005\* 16 oz Fluid Reservoir Kit

Used with Mityvac hand vacuum/pressure pumps to collect or dispense larger volumes of fluid. Replaces smaller fluid reservoirs included with most vacuum kits, reducing the amount of time it takes to empty old fluid. A hook is included for conveniently securing the reservoir out of the way during use.

### Kit Includes:

- 16 oz (475 ml) capacity reservoir bottle
- Fluid transfer lid
- Fluid storage lid
- Removable hanging hook
- ¼ in. ID x 6 in. long (6.4 mm ID x 150 mm long) fluid pick-up tube

### Specifications:

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**Weight:** 4.4 oz (125 g)

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MVA6910

## MVA6910 4.5 oz Fluid Reservoir Kit

Use in-line with Mityvac hand vacuum/pressure pumps to collect or dispense fluid. Replaces standard 4.5 oz reservoirs included with hand pump kits.

### Kit Includes:

- 4.5 oz (135 ml) capacity reservoir bottle
- Fluid transfer lid
- Fluid storage lid
- ¼ in. ID x 3⅝ in. long (6.4 mm ID x 90 mm long) fluid pick-up tube

### Specifications:

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**Weight:** 2.3 oz (65 g)

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# Hand Pump Accessories

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## MVA6916 4.5 oz. Replacement Bottle

4.5 oz. bottle and storage lid only. Replaces standard bottle included with Mityvac hand vacuum/pressure pump kits. Ideal for fluid sampling applications.

### Kit Includes:

- 4.5 oz. (135 ml) capacity reservoir bottle
- Fluid storage lid

### Specifications:

**Weight:** 1.0 oz. (28 g)



MVA6916

## MVA6845 Mason Jar Kit

Contains accessories for utilizing standard- and wide-mouth mason jars as fluid evacuation or pressure dispensing reservoirs. Works conveniently with Mityvac hand vacuum/pressure pumps.

### Kit Includes:

- 2¼ in. (70 mm) diameter standard mason jar lid
- 3⅝ in. (84 mm) diameter wide-mouth mason jar lid
- (2) ¼ in. ID x 48 in. long (6.4 mm ID x 1220 mm long) connection tubes
- Adapters for tubing sizes ⅛ to ½ in. (3.2 to 13 mm OD); ¼ to ⅜ in. (6.4 to 9.5 mm ID)

### Specifications:

**Weight:** 6.6 oz (187 g)



MVA6845

## MVA6001 Fluid Transfer Kit

Contains reservoir, adapters, tubing and other accessories for siphoning, transferring, extracting or dispensing fluids using a Mityvac hand vacuum/pressure pump.

### Kit Includes:

- 4.5 oz. (135 ml) capacity reservoir bottle with fluid transfer and storage lids
- ¼ in. ID x 1½ in. long (6.4 mm ID x 40 mm long) connection tube
- ⅝<sub>32</sub> in. ID x 3 in. long (4 mm ID x 75 mm long) connection tube
- (2) ¼ in. ID x 3⅝ in. long (6.4 mm ID x 90 mm long) fluid pick-up and connection tubes
- Rubber cupped adapter
- ¼ x ¼ in. ID (4 x 6.4 mm ID) tubing adapter
- (4) tapered adapters for connecting to tubing from .090 to .50 in. ID (2.3 to 12.7 mm ID)
- (2) Tapered manifold plugs
- 2¾ in. (70 mm) diameter mason jar lid
- 3⅝ in. (84 mm) diameter wide-mouth mason jar lid
- ¼ in. ID x 48 in. long (6.4 mm ID x 1220 mm long) connection tube
- Adapters for tubing sizes ⅛ to ½ in. OD (3.2 to 13 mm OD) and ¼ to ⅜ in. ID (6.4 to 9.5 mm ID)
- ⅜ in. ID x 48 in. long (9.5 mm ID x 1220 mm long) connection tube

### Specifications:

**Weight:** 10.3 oz. (292 g)



MVA6001

## MVA6000\* Complete Automotive Accessory Kit

Kit contains accessories for testing and diagnosing dozens of engine performance and automotive mechanical functions and for one-person brake and hydraulic clutch bleeding. All components are designed for use with Mityvac Silverline and Selectline hand vacuum and dual pressure/vacuum hand pumps.

### Kit Includes:

- (4) tapered adapters for connecting to tubing from .090 to .50 in. ID (2.3 to 12.7 mm ID)
- (2) tapered manifold plugs
- (12) color-coded vacuum line plugs
- (2) universal bleed screw adapters for connecting to hydraulic bleed screws
- Automatic master cylinder refill kit
- 4.5 oz. reservoir bottle with fluid transfer and storage lid
- (2) ¼ in. ID x 24 in. long (6.4 mm ID x 610 mm long) connection hoses
- User manual (English/French/Spanish/German)

### Specifications:

**Weight:** 14.8 oz. (420 g)



MVA6000

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

# Hand Pump Accessories



MVA6912

## MVA6912 Automotive Test Adapter Kit

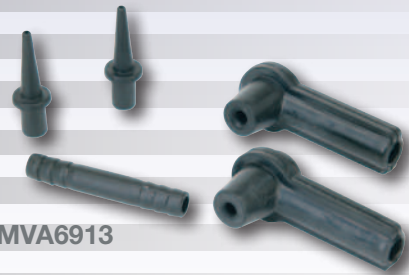
Contains plugs, adapters and tubes for use with Mityvac hand vacuum/pressure pumps for testing and diagnosing dozens of vacuum and pressure related engine systems.

### Kit Includes:

- ¼ in. ID x 1½ in. long (6.4 mm ID x 40 mm long) connection tube
- 5/32 in. ID x 3 in. long (4 mm ID x 75 mm long) connection tube
- ¼ in. ID x 3 5/8 in. long (6.4 mm ID x 90 mm long) connection tube
- Rubber cup adapter
- 5/32 x ¼ in. ID (4 x 6.4 mm ID) tubing adapter
- (4) tapered adapters for connecting to tubing from .090 to .50 in. ID (2.3 to 12.7 mm ID)
- (2) tapered manifold plugs

### Specifications:

**Weight:** 0.8 oz. (23 g)



MVA6913

## MVA6913\* Universal Brake Bleed Adapters

Mityvac's Universal Brake Bleed Adapter is specially designed to fit snugly onto a wide range of brake and hydraulic clutch bleed screws. It forms an airtight seal, and maintains a firm grip on the screw nipple.

### Kit includes:

- (2) universal bleed screw adapters
- (2) tapered bleed adapters
- Polypropylene adapter for connecting to ¼ in. (6.4 mm) ID tubing

### Specifications:

**Weight:** 0.7 oz (20 g)



MVA6008

## MVA6008 Diesel Fuel Primer Kit

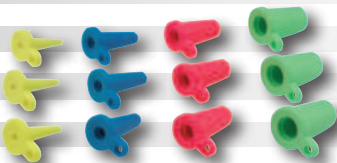
Kit contains three adapters designed for priming the diesel fuel filter using a Mityvac hand vacuum pump or vacuum brake bleeder. Adapters are designed for 6 mm, 8 mm, and 12 mm fuel filter ports.

### Includes:

- 6 mm primer adapter
- 8 mm primer adapter
- 12 mm primer adapter
- Barbed hose connector

### Specifications:

**Weight:** 1.0 oz (28 g)



MVA6004

## MVA6004 Vacuum Line Caps

Contains 12 rubber caps for plugging vacuum lines while performing in-line vacuum and pressure tests. Caps are color coded for easy line identification and tapered for plugging lines from 5/32 to 1/2 in. ID (4 to 13 mm ID).

### Specifications:

**Weight:** 1.0 oz (28 g)



MVA6914

## MVA6914 Vacuum Pump Case

This custom blow-molded case fits Mityvac **Silverline** and **Selectline** (except Superpump) vacuum and dual converter pumps, and includes molded compartments for our 4.5 oz. (128 g) reservoir kit, master cylinder refill kit and user manual. Additional space is included for small adapters, plugs, line caps and connector hoses.

### Specifications:

**Packaged weight:** 1.3 lbs. (0.59 kg)

**Packaged size (wide x tall x deep):** 12 x 8 x 33 3/8 in. (305 x 205 x 85 mm)

# Fluid Evacuation & Dispensing Equipment & Accessories

www.mityvac.com

Mityvac fluid evacuators are ideal for removing fluids from small tanks and reservoirs. These units are lightweight and portable and include integrated reservoirs with capacities ranging from 1.9 qt. (1.8 l) to 2.3 gal. (8.8 l). Applications include evacuating engine oil, coolants, transaxle grease and power steering, transmission and brake fluid from automobiles, motorcycles, small engines, boat motors, RVs, ATVs and machinery. The new line of tools working with shop air MV7100 switches easily between vacuum and pressure.

## MV7102 Used fluid evacuator/dispenser 2.5 qt

Utilizes compressed “shop-air” for dispensing and extracting. The MV7102 dispenses and extracts a wide range of automotive fluids including brake, washer, power steering and transmission fluid, engine oil, gear oil and coolant. It is convenient for evacuating, topping-off and refilling reservoirs, or pressure bleeding hydraulic brake and clutch systems.

### Features:

- Utilizes compressed “shop-air” for dispensing and extracting
- Isolated flow control and pressure/vacuum switch valves provide simple functionality control
- Redundant pressure control systems safely maintain peak output pressure between 20 and 25 psi (1.4 and 1.7 bar)
- 2.5-quart (2.5-liter) capacity reservoir
- Convenient flow control and auto-shutoff valve
- Includes combination pressure/vacuum gauge
- Lid is interchangeable with other reservoir sizes available for separate purchase

### Includes:

- 2.5-quart (2.5-liter) fluid reservoir
- Reservoir lid with integrated venturi vacuum and pressure dispensing functions
- MVA575 Flex hose w/ control valve
- MVA570 12 in (0.3 m) evacuation wand
- Hanging hook
- User manual (English/French/Spanish/German)



MV7102

### Specifications:

<b>Reservoir capacity:</b>	2.5 qt (2.5 l)
<b>Packaged weight</b>	5.95 lbs (2.7 kg)
<b>Unit package size (LxWxH)</b>	10.2" x 7.5" x 11.8" (26 x 19 x 32 cm)

## MV7105 Used fluid evacuator/dispenser 1.2 gal / 5 l

Utilizes compressed “shop-air” for dispensing and extracting. The MV7105 dispenses and extracts a wide range of automotive fluids including brake, washer, power steering and transmission fluid, engine oil, gear oil and coolant. It is convenient for evacuating, topping-off and refilling reservoirs, or pressure bleeding hydraulic brake and clutch systems.

### Features:

- Utilizes compressed “shop-air” for dispensing and extracting
- Isolated flow control and pressure/vacuum switch valves provide simple functionality control
- Redundant pressure control systems safely maintain peak output pressure between 20 and 25 psi (1.4 and 1.7 bar)
- 1.2-gal (5-liter) capacity reservoir
- Convenient flow control and auto-shutoff valve
- Includes combination pressure/vacuum gauge
- Lid is interchangeable with other reservoir sizes available for separate purchase

### Includes:

- 1.2-gal (5-liter) fluid reservoir
- Reservoir lid with integrated venturi vacuum and pressure dispensing functions
- MVA575 Flex hose w/ control valve
- MVA570 12 in (0.3 m) evacuation wand
- Hanging hook
- User manual (English/French/Spanish/German)



MV7105

### Specifications:

<b>Reservoir capacity:</b>	1.2 gal (5 l)
<b>Packaged weight</b>	7.0 lbs (3.2 kg)
<b>Unit package size (LxWxH)</b>	10.2" x 7.5" x 16.5" (26 x 19 x 42 cm)



# Fluid Evacuation & Dispensing Equipment

## MV7110 Used fluid evacuator/dispenser 2.5 gal / 10 l

Utilizes compressed “shop-air” for dispensing and extracting. The MV7110 dispenses and extracts a wide range of automotive fluids including brake, washer, power steering and transmission fluid, engine oil, gear oil and coolant. It is convenient for evacuating, topping-off and refilling reservoirs, or pressure bleeding hydraulic brake and clutch systems.

### Features:

- Utilizes compressed “shop-air” for dispensing and extracting
- Isolated flow control and pressure/vacuum switch valves provide simple functionality control
- Redundant pressure control systems safely maintain peak output pressure between 20 and 25 psi (1.4 and 1.7 bar)
- 2.5-gal (10-liter) capacity reservoir
- Convenient flow control and auto-shutoff valve
- Includes combination pressure/vacuum gauge
- Lid is interchangeable with other reservoir sizes available for separate purchase

### Includes:

- 2.5 gal (10-liter) fluid reservoir
- Reservoir lid with integrated venturi vacuum and pressure dispensing functions
- **MVA575** Flex hose w/ control valve
- **MVA570** 12 in (0.3 m) evacuation wand
- **MVA578** 61.5 in/.226 OD (1.56 m) evac. wand
- **MVA579** 97.5 in/.261 OD (2.44 m) evacuation wand
- Hanging hook
- User manual (English/French/Spanish/German)

### Specifications:

<b>Reservoir capacity:</b>	2.5 gal (10 l)
<b>Packaged weight</b>	9.3 lbs (4.2 kg)
<b>Unit package size (LxWxH)</b>	11" x 8.7" x 20.5" (28 x 22 x 52 cm)

## MV7120 Used fluid evacuator/dispenser 5.3 gal / 20 l

Utilizes compressed “shop-air” for dispensing and extracting. The MV7120 dispenses and extracts a wide range of automotive fluids including brake, washer, power steering and transmission fluid, engine oil, gear oil and coolant. It is convenient for evacuating, topping-off and refilling reservoirs, or pressure bleeding hydraulic brake and clutch systems.

### Features:

- Utilizes compressed “shop-air” for dispensing and extracting
- Isolated flow control and pressure/vacuum switch valves provide simple functionality control
- Redundant pressure control systems safely maintain peak output pressure between 20 and 25 psi (1.4 and 1.7 bar)
- 5.3-gal (20-liter) capacity reservoir
- Convenient flow control and auto-shutoff valve
- Includes combination pressure/vacuum gauge
- Lid is interchangeable with other reservoir sizes available for separate purchase

### Includes:

- 5.3 gal (20-liter) fluid reservoir
- Reservoir lid with integrated venturi vacuum and pressure dispensing functions
- **MVA575** Flex hose w/ control valve
- **MVA570** 12 in (0.3 m) evacuation wand
- **MVA578** 61.5 in/.226 OD (1.56 m) evac. wand
- **MVA579** 97.5 in/.261 OD (2.44 m) evacuation wand
- Hanging hook
- User manual (English/French/Spanish/German)

### Specifications:

<b>Reservoir capacity:</b>	5.3 gal (20 l)
<b>Packaged weight</b>	12.7 lbs (5.8 kg)
<b>Unit package size (LxWxH)</b>	12.2" x 10.2" x 25.2" (31 x 26 x 64 cm)

## MV7100 and MV6400\* series reservoirs

Mityvac offers 2.5 qt, 1.2-, 2.5- and 5 gal. (2.5-, 5-, 10- and 20 l) reservoirs for fluid storage or for adopting the capacity of MV7100 or MV6400 models. Each reservoir includes a lid and fluid pickup tube with quick-change coupler for connecting MV7412, MV7840, MV7135, MV6400 and MV6410 accessories.

### Specifications:

Part number	Reservoir capacity
<b>MVA574</b>	2.5 qt (2.5 l)
<b>MVA576</b>	1.2 gal (5 l)
<b>MVA572</b>	2.5 gal (10 l)
<b>MVA573</b>	5.3 gal (20 l)



MV7110



MV7120



MVA574 MVA576 MVA572 MVA573

# Fluid Evacuation & Dispensing Equipment

www.mityvac.com

## MV7430\* Mini Fluid Evacuator

Operates on compressed air to create a powerful venturi vacuum for quickly evacuating small reservoirs. The lid unthreads for convenient emptying, and the evacuation hose is perfect for getting into those hard-to-reach places.

### Features:

- Compressed air operation
- Integrated 1.9 qt. (1.8 l) capacity reservoir
- Variable control thumb throttle
- Swivel air inlet
- Quiet, muffled exhaust
- Automatic overflow prevention

### Includes:

- Fluid evacuator
- 4 ft (1.2 m) fluid evacuation hose
- Molded base with screws for bench mounting
- Hanging hook
- User manual (English/French/Spanish/German)

### Specifications:

<b>Reservoir capacity:</b>	1.9 qt. (1.8 l)
<b>Working pressure:</b>	60 to 150 psi (4.1 to 10.3 bar)
<b>Vacuum @ 90 psi (6.2 bar):</b>	26 in. Hg (88 kPa)
<b>Air consumption @ 90 psi (6.2 bar):</b>	4.3 cfm (2.0 l/s)
<b>Flow rate @ 60 psi (4.1 bar):</b>	50 oz/min (1460 ml/min)
<b>@ 90 psi (6.2 bar):</b>	70 oz/min (2100 ml/min)
<b>@ 150 psi (10.3 bar):</b>	70 oz/min (2100 ml/min)
<b>Inlet thread size:</b>	¼ in. NPT
<b>Packaged weight:</b>	4.8 lbs. (2.2 kg)
<b>Size (tall x dia.):</b>	9 x 6.5 in. (230 x 150 mm)



MV7430

## MV7300\* PneumatiVac

Operates on compressed air to create a powerful venturi vacuum for draining fluids from tanks and reservoirs. Compressed air hose attaches at base for stability. Includes accessories for draining engine oil or transmission fluid directly through the dipstick tubes. Also includes brake/clutch bleeding kit (Model MVA7205) for vacuum bleeding hydraulic brake and clutch systems.

### Features:

- Operates on compressed air
- Integrated 2.3 gal. (8.8 l) capacity reservoir
- Large base with foot stabilizer
- Durable, chemical-resistant polyethylene construction
- Independent air shut-off valve
- Quiet, muffled exhaust
- Automatic overflow prevention
- Quick-drain pour spout

### Includes:

- Fluid evacuator
- 0.23 in. OD x 5 ft. long (5.7 mm OD x 1.5 m long) dipstick tube
- 0.26 in. OD x 5 ft. long (6.6 mm OD x 1.5 m long) dipstick tube
- 0.41 in. OD x 5 ft. long (10 mm OD x 1.5 m long) main evacuation tube
- Brake/clutch bleeding adapter kit (Model MVA7205)
- Tube adapters
- User manual (English/French/Spanish)

### Specifications:

<b>Reservoir capacity:</b>	2.3 gal. (8.8 l)
<b>Max. operating temp.:</b>	175°F (80°C)
<b>Compressed air inlet size:</b>	¼ in. NPT
<b>Packaged weight:</b>	7.5 lbs. (3.4 kg)
<b>Size (tall x wide x deep):</b>	24 x 12.4 x 9.3 in. (610 x 315 x 235 mm)



MV7300

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

# Fluid Evacuation & Dispensing Equipment



MV7400

## MV7400\* Fluid Evacuator

Vacuum is created quickly and efficiently by manual pump operation, offering superior mobility by eliminating the need for electricity or compressed air. The MV7400 is ideal for draining fluids from reservoirs on boats, RVs, ATVs, snowmobiles, farm equipment or motorcycles. Includes accessories for draining engine oil or transmission fluid directly through the dipstick tubes.

### Features:

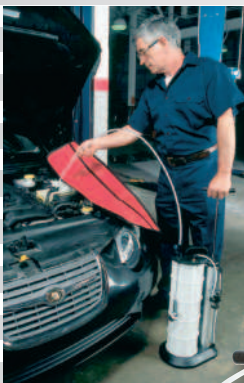
- Convenient manual pump operation
- Integrated 1.9 gal. (7.3 l) capacity reservoir
- Large base with foot stabilizer
- Durable, chemical-resistant polyethylene construction
- Automatic overflow prevention
- Quick-drain pour spout

### Includes:

- Fluid evacuator
- 0.23 in. OD x 5 ft. long (5.7 mm OD x 1.5 m long) dipstick tube
- 0.26 in. OD x 5 ft. long (6.6 mm OD x 1.5 m long) dipstick tube
- 0.41 in. OD x 5 ft. long (10 mm OD x 1.5 m long) main evacuation tube
- Tube adapters
- User manual (English/French/Spanish)

### Specifications:

<b>Reservoir capacity:</b>	1.9 gal. (7.3 l)
<b>Max. operating temp.:</b>	175°F (80°C)
<b>Packaged weight:</b>	7.5 lbs. (3.4 kg)
<b>Size (tall x wide x deep):</b>	25 x 7.5 in. (635 x 190 mm)



MV7201

## MV7201\* Fluid Evacuator Plus

At the push of a button, this versatile unit changes from vacuum to pressure for evacuating or dispensing fluids. This functionality makes it ideal for draining tanks or reservoirs then pumping the used fluid back out for easy disposal. Multiple units work great – simply evacuate used fluids with one unit and then quickly refill with new fluid from a second. For superior mobility, the MV7201 utilizes a manual pump, so compressed air or electricity is not required. Accessories are included for draining engine oil or transmission fluid directly through the dipstick tubes

### Features:

- Evacuates or dispenses at the push of a button
- Convenient manual pump operation
- Integrated 2.3 gal. (8.8 l) capacity reservoir
- Large base with foot stabilizer
- Durable, chemical-resistant polyethylene construction
- Automatic overflow prevention
- Quick-drain pour spout

### Includes:

- Fluid evacuator/dispenser
- 0.23 in. OD x 5 ft. long (5.7 mm OD x 1.5 m long) dipstick tube
- 0.26 in. OD x 5 ft. long (6.6 mm OD x 1.5 m long) dipstick tube
- 0.41 in. OD x 5 ft. long (10 mm OD x 1.5 m long) main evacuation tube
- Tube adapters
- User manual (English/French/Spanish)

### Specifications:

<b>Reservoir capacity:</b>	2.3 gal. (8.8 l)
<b>Max. operating temp.:</b>	175°F (80°C)
<b>Packaged weight:</b>	10.0 lbs. (4.5 kg)
<b>Size (tall x wide x deep):</b>	24 x 12.4 x 9.3 in. (610 x 315 x 235 mm)



# Mityvac® Fluid Evacuation & Dispensing Equipment

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## Fluid Dispensers

Mityvac low-volume, low-pressure fluid dispensers offer a clean and convenient means of filling or topping-off of automatic transmissions, radiators/coolant reservoirs, differentials, and power steering and master cylinder reservoirs. They offer a 1.2 gal. reservoir with many built-in features including a dual safety/manual pressure relief valve, pressure gauge, safety shut-off valves and a heavy-duty pressure pump integrated into the lid.

### MV6400\* 1-Gallon Fluid Dispensing System

The MV6400 is designed for topping-off fluid reservoirs including master cylinders, gear boxes, transmissions, power steering reservoirs, etc. Its convenient size and 5 ft. long hose with dispensing wand and flow control valve make it ideal for accessing hard-to-reach reservoirs and fill plugs. For transmission refill and pressure bleeding applications, the MV6400 is compatible with a wide selection of Mityvac ATF and pressure bleed adapters. See pages →19, 20 and →26 for compatible ATF and pressure bleed adapters.

#### Features:

- Large 1.2 gal. (5 l) fluid capacity
- Fluid is dispensed under pressure for smooth continual flow
- Integrated manual pump adds air above the fluid level to prevent aeration
- Internal pump components are sealed against exposure to fluids
- ON/OFF and flow control valve are conveniently located near fluid output
- Utilizes push-to-connect, quick-change style accessory connections

- Pressure gauge indicates fluid dispensing pressure
- Integrated safety and manual pressure relief valve

#### Includes:

- 1.2 gal. (5 l) fluid reservoir
- Reservoir lid with integrated manual pump, pressure gauge, and pressure relief valve
- 5 ft. fluid dispensing hose with flow control and auto-shutoff valves
- Fluid dispensing wand
- Hanging hook
- User's manual

#### Specifications:

<b>Reservoir capacity:</b>	1.2 gal. (5 l)
<b>Max. pressure:</b>	20 psi (1.4 bar)
<b>Packaged weight:</b>	7.5 lbs. (3.4 kg)
<b>Size (tall x wide x deep):</b>	7.5 x 8.0 x 15.6 in. (190 x 205 x 396 mm)



MV6400

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

### MV6410A\* 1-Gallon ATF Refill System

The MV6410A combines the new Fluid Dispenser with our popular ATF refill adapter kit to provide a complete system for servicing today's sealed automatic transmissions. The dispenser allows the operator to fill or top-off transmissions with up to 1 gal. of fluid between refills, while the pressurized operation frees the operator from continual pumping.

#### Features:

- Includes ten (13) adapters to connect to Ford, Toyota, BMW, Honda, Nissan, VW, Audi, Mercedes, and Volvo transmissions
- Large 1.2 gal. (5 l) fluid capacity
- Fluid is dispensed under pressure for smooth continual flow
- Integrated manual pump adds air above the fluid level to prevent aeration
- Internal pump components are sealed against exposure to fluids
- ON/OFF and flow control valve are conveniently located near fluid output
- Utilizes push-to-connect, quick-change style accessory connections
- Pressure gauge indicates fluid dispensing pressure
- Integrated safety and manual pressure relief valve

#### Includes:

- 1.2 gal. (5 l) fluid reservoir
- Reservoir lid with integrated manual pump, pressure gauge, and pressure relief valve
- 5 ft. fluid dispensing hose with flow control and auto-shutoff valves
- MVA5800A ATF adapter kit includes 13 adapters (MVA580 through MVA592)
- Custom-molded storage case for adapters
- Fluid dispensing wand
- Hanging hook
- User's manual

#### Specifications:

<b>Reservoir capacity:</b>	1.2 gal. (5 l)
<b>Max. pressure:</b>	20 psi (1.4 bar)
<b>Packaged weight:</b>	7.5 lbs. (3.4 kg)
<b>Size (tall x wide x deep):</b>	7.5 x 8.0 x 15.6 in. (190 x 205 x 396 mm)



MV6410A

# Fluid Evacuation & Dispensing Equipment



MV7412

## MV7412\* 2.5-Gallon ATF Refill and Evacuation kit

Utilizes compressed shop-air to produce pressure for fluid dispensing and includes adapters for most modern sealed transmissions.

### Features:

- Utilizes compressed shop-air to produce pressure for fluid dispensing
- Includes adapters for most modern sealed transmissions
- Conveniently located ON/OFF and flow control valve
- Used fluids or overflow can be extracted by switching from pressure to vacuum
- Isolated flow control and pressure/vacuum switch valves provide simple functionality control
- Redundant pressure control systems safely maintain peak output pressure between 20 and 25 psi (1.4 and 1.7 bar)
- 2.5-gallon (10-liter) capacity reservoir
- Includes **MVA575** flex hose with control valve and wand and **MVA5800A** ATF Refill kit

### Includes:

- 2.5 gal (10-liter) fluid reservoir
- Reservoir lid with integrated venturi vacuum and pressure dispensing functions
- **MVA5800A** ATF adapter kit includes 13 adapters (MVA580 through MVA592)
- **MVA575** Flex hose w/ control valve
- **MVA570** 12 in (0.3 m) evacuation wand
- **MVA578** 61.5 in/.226 OD (1.56 m) evac. wand
- **MVA579** 97.5 in/.261 OD (2.44 m) evacuation wand
- Hanging hook
- User manual (English/French/Spanish/German)

### Specifications:

<b>Reservoir capacity:</b>	2.5 gal (10 l)
<b>Packaged weight</b>	12.6 lbs (5.7 kg)
<b>Unit package size (LxWxH)</b>	12.6" x 8.7" x 20.5" (32 x 22 x 53 cm)

## MV6412A\* 2.5-Gallon ATF Refill System

The MV6412 combines the fluid dispenser with our popular ATF refill adapter kit to provide a complete system for servicing today's sealed automatic transmissions. The dispenser allows the operator to fill or top-off transmissions with up to 2.5 gal. of fluid between refills, while the pressurized operation frees the operator from continual pumping.

### Features:

- Includes ten (13) adapters to connect to Ford, Toyota, BMW, Honda, Nissan, VW, Audi, Mercedes, and Volvo transmissions
- Large 2.5 gal. (10 l) fluid capacity
- Fluid is dispensed under pressure for smooth continual flow
- Integrated manual pump adds air above the fluid level to prevent aeration Internal pump components are sealed against exposure to fluids
- ON/OFF and flow control valve are conveniently located near fluid output
- Utilizes push-to-connect, quick-change style accessory connections
- Pressure gauge indicates fluid dispensing pressure Integrated safety and manual pressure relief valve

### Includes:

- 2.5 gal. (10 l) fluid reservoir
- Reservoir lid with integrated manual pump, pressure gauge, and pressure relief valve
- 5 ft. fluid dispensing hose with flow control and auto-shutoff valves
- **MVA5800A** ATF adapter kit includes 13 adapters (MVA580 through MVA592)
- Custom-molded storage case for adapters
- Fluid dispensing wand
- Hanging hook
- User's manual

### Specifications:

<b>Reservoir capacity:</b>	2.5 gal. (10 l)
<b>Max. pressure:</b>	20 psi (1.4 bar)
<b>Packaged weight:</b>	8 lbs. (3.6 kg)
<b>Size (tall x wide x deep):</b>	8.5 x 12.3 x 22.2 in. (215 x 310 x 565 mm)



MV6412A

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

# Mityvac® Fluid Evacuation & Dispensing Accessories

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## MVA7216\* ATF Refill Kit

Converts the **MV7201** Fluid Evacuator Plus into a convenient system for refilling or topping-off sealed automatic transmissions. The kit includes a connection hose that easily snaps into a fitting on top of the MV7201 and ten adapters custom designed to connect to today's sealed "lifetime" automatic transmissions. See chart below for a complete list of adapters and their applications.

### Features:

- Quickly converts the Mityvac MV7201 Fluid Evacuator Plus into a professional tool for refilling sealed automatic transmissions
- Brass ball valve allows independent control of fluid flow to the transmission
- Push-to-connect style quick-change coupler quickly secures and releases refill adapter and has built-in shutoff valve
- Includes ten (10) ATF refill adapters for servicing Ford, Toyota, Volkswagen, Audi, Volvo, BMW, Honda, Nissan, and Mercedes transmissions

### Includes:

- Connection hose with flow control valve and quick-change coupler (**MVA7210**)
- Ten (10) ATF refill adapters (models **MVA580** to **MVA589**)
- Custom-molded storage case for adapters



### Specifications:

<b>Packaged weight:</b>	3.8 lbs. (1.7 kg)
<b>Size (tall x wide x deep):</b>	12.5 x 8.4 x 2.7 in. (320 x 215 x 70 mm)

## MVA5800A ATF Refill Kit

Contains thirteen (13) adapters for servicing Ford, Toyota, Volkswagen, Audi, Volvo, BMW, Honda, Nissan, and Mercedes sealed (lifetime) automatic transmissions (see adapter chart →20). This kit is included with the Mityvac **MV7412** ATF Refill and Evacuation System (page →18), the **MV6410A** (page →17) and **MV6412A** ATF Refill System (page →18). Includes custom-molded case.

### Specifications:

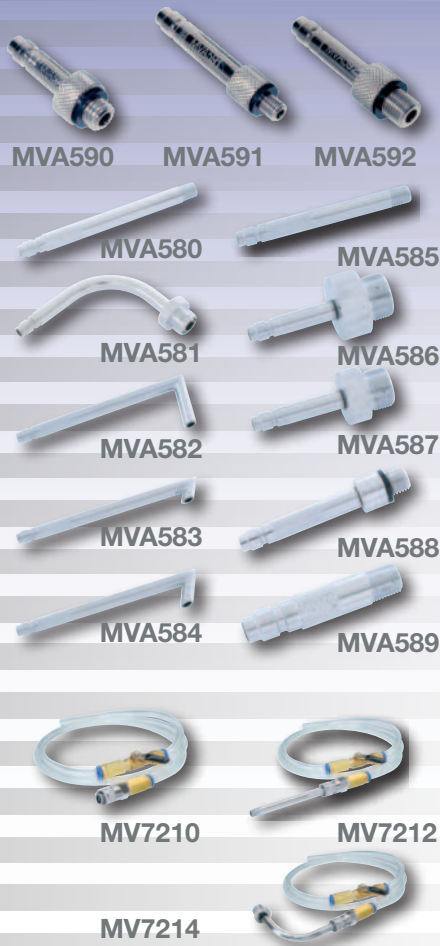
<b>Packaged weight:</b>	3.3 lbs. (1.6 kg)
<b>Size (tall x wide x deep):</b>	12.5 x 8.4 x 2.7 in. (320 x 215 x 70 mm)



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



# Fluid Evacuation & Dispensing Accessories



## ATF Refill Adapters

Some automotive manufacturers have eliminated the automatic transmission dipstick tube from many of their new models. In these cases, specially designed adapters are required to refill or top-off the transmission when the fluid level is low or following repairs. For this purpose, Mityvac offers the following adapters. Each is available for separate purchase or in kits **MVA7216A**, **MVA5800A**, **MVA5800** or **MV6410**.

### Specifications:

Part #	Description	Thread	Application
<b>MVA590</b>	GM / Ford ATF refill adapter	M12x1.75	GM, Ford
<b>MVA591</b>	Nissan / Infiniti ATF refill adapter	8 x 1.0	Nissan/Infiniti
<b>MVA592</b>	Nissan / Infiniti ATF refill adapter	M12x1.25	Nissan/Infiniti
<b>MVA580</b>	Ford ATF refill adapter	1/8 in. NPT	Ford
<b>MVA581</b>	Toyota ATF refill adapter	18 x 1.5	Toyota
<b>MVA582</b>	Angled ATF refill adapter	NA	BMW, Honda, Nissan
<b>MVA583</b>	VW ATF refill adapter, short		Volkswagen
<b>MVA584</b>	VW ATF refill adapter, long		Volkswagen
<b>MVA585</b>	VW ATF refill adapter	10 x 1.0	Volkswagen
<b>MVA586</b>	VW/Audi ATF refill adapter	24 x 1.5	VW, Audi with DSG transmission
<b>MVA587</b>	Audi ATF refill adapter	22 x 1.5	Audi with CVT transmission
<b>MVA588*</b>	Mercedes ATF refill adapter	12 x 1.5	Mercedes w/ 722.9 transmission
<b>MVA589</b>	Volvo ATF refill adapter	5/16 in.-24 UNF	Volvo
<b>MVA7210*</b>	ATF refill hose	NA	NA
<b>MVA7212</b>	ATF refill hose with Ford adapter	1/8 in. NPT	Ford
<b>MVA7214</b>	ATF refill hose with Toyota adapter	NA	Toyota

## MVA570 Fluid Dispensing Wand

1 ft. (0.3 m) fluid dispensing wand and two cap/plugs for use in 1/4 to 3/8" holes. Wand connects into quick connect on end of hoses for Mityvac fluid dispensing systems **MV6400**, **MV6410**, **MV6412**, **MV6840**, and **MV6844**.

### Specifications:

<b>Packaged weight:</b>	16 oz. (454 g)
<b>Size (tall x wide x deep):</b>	14.5 x 3.5 x 0.675 in. (368 x 88.9 x 17.14 mm)

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

MVA570

# Mityvac® Fluid Evacuation & Dispensing Accessories

www.mityvac.com

## MVA7205\* Brake Bleed Conversion Kit

The MVA7205 quickly connects to Mityvac models **MV7400**, **MV7300** or **MV7201** fluid evacuators, converting them into one-person vacuum brake or hydraulic clutch bleeders. The kit contains a vacuum bleed tube with brass ball valve, universal bleed screw adapter and adapter for connecting to the evacuator

### Specifications:

<b>Packaged weight:</b>	9.3 oz (265 g)
<b>Size (tall x wide x deep):</b>	8 x 12 x 1½ in. (150 x 305 x 65 mm)



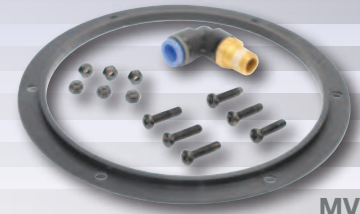
MVA7205

## MVM9000 Evacuator Service Kit

Contains the most common service parts for models **MV7300**, **MV7400** and **MV7201**.

### Kit includes:

- Lid screw and lock nut (6 each)
- Lid gasket
- Main tube connector (**MV7201** only)



MVM9000

## MVA6006 Extended Tube Kit

Extends the reach of Mityvac fluid evacuators models **MV7400**, **MV7300** and **MV7201** by up to 6 ft. (1.8 m). The kit contains a main evacuation tube, two smaller diameter tubes for extending into dipstick tubes and tube connectors. Each tube is 3 ft. (0.9 m) longer than standard, making it convenient for evacuating fluids from taller vehicles such as SUVs and full size trucks.

### Kit includes:

- 0.23 in. OD x 8 ft. long (5.7 mm OD x 2.4 m long) dipstick tube with connector
- 0.26 in. OD x 8 ft. long (6.6 mm OD x 2.4 m long) dipstick tube with connector
- 0.41 in. OD x 8 ft. long (10 mm OD x 2.4 m long) main evacuation tube with connector

### Specifications:

<b>Packaged weight:</b>	12.8 oz (365 g)
<b>Size (tall x wide x deep):</b>	13 x 13 x 2 in. (330 x 330 x 50 mm)



MVA6006

## MVA571\* Fluid Storage Lid

### Specifications:

<b>Packaged weight:</b>	.5 lb (.2 kg)
<b>Size (tall x wide x deep):</b>	5.0 x 5.0 x 4.5 in. (130 x 330 x 50 mm)

Fluid storage lid fits the **MV6400** series fluid dispenser reservoir.



MVA571

## MV7100\* and MV6400\* series Reservoirs

Mityvac offers 2.5 qt, 1.2-, 2.5- and 5 gal. (2.5-, 5-, 10- and 20 l) reservoirs for fluid storage or for adopting the capacity of MV7100 or MV6400 models. Each reservoir includes a lid and fluid pickup tube with quick-change coupler for connecting MV7412, MV7840, MV7135, MV6400 and MV6410 accessories.

### Specifications:

Part number	Reservoir capacity
<b>MVA574</b>	2.5 qt (2.5 l)
<b>MVA576</b>	1.2 gal (5 l)
<b>MVA572</b>	2.5 gal (10 l)
<b>MVA573</b>	5.3 gal (20 l)



MVA574

MVA576

MVA572

MVA573

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

# Brake & Clutch Bleeding Equipment & Accessories

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.



## MV7135 Vacuum Brake/Clutch Bleeder

Mityvac's MV7135 Utilizes compressed shop-air to produce vacuum for bleeding brakes and pressure for dispensing. Used or new fluids are dispensed by switching from vacuum to pressure. It features a 2.5 qt. (2.5-liter) reservoir and the **MVA6921** adapter kit.

### Features:

- Utilizes compressed shop-air to produce vacuum for bleeding brakes and pressure for dispensing
- Used or new fluids are dispensed by switching from vacuum to pressure
- Isolated flow control and pressure/vacuum switch valves provide simple functionality control
- Redundant pressure control systems safely maintain peak output pressure between 20 and 25 psi (1.4 and 1.7 bar)
- 2.5-quart (2.5-liter) capacity reservoir

### Includes:

- 2.5 qt. (2.5 l) fluid reservoir
- Reservoir lid with integrated venturi vacuum and muffler
- **MVA575** Flex hose w/ control valve
- **MVA570** 12 in. (0.3 m) evacuation wand
- **MVA6921** adapter kit
- Hanging hook
- User's manual



MV7135

### Specifications:

<b>Reservoir capacity:</b>	1.3 qt. (1.2 l)
<b>Packaged weight</b>	7.1 lbs (3.3 kg)
<b>Unit package size (LxWxH)</b>	13" x 7.5" x 12" (33 x 19 x 30.5 cm)



## MV7840 Pressure Brake/Clutch Bleeder

Mityvac's MV7840 utilizes compressed shop-air to produce pressure for dispensing and vacuum for extracting. It pushes new fluid down through the master cylinder to flush air and old fluid out through the bleed screws. The MV7840 features a 2.5 qt. (2.5-liter) reservoir and the **MVA6850** Master cylinder adapter kit.

### Features:

- Utilizes compressed shop-air to produce vacuum for bleeding brakes and pressure for dispensing
- Used or new fluids are dispensed by switching from vacuum to pressure
- Isolated flow control and pressure/vacuum switch valves provide simple functionality control
- Redundant pressure control systems safely maintain peak output pressure between 20 and 25 psi (1.4 and 1.7 bar)
- 2.5-quart (2.5-liter) capacity reservoir

### Includes:

- 2.5 qt. (2.5 l) fluid reservoir
- **MVA575** Flex hose w/ control valve
- **MVA570** 12 in. (0.3 m) evacuation wand
- **MVA6850** Master cylinder adapter kit
- Hanging hook
- User's manual



MV7840

### Specifications:

<b>Reservoir capacity:</b>	1.3 qt. (1.2 l)
<b>Packaged weight</b>	11.5 lbs (5.2 kg)
<b>Unit package size (LxWxH)</b>	15.4" x 11" x 12.6" (39 x 28 x 32 cm)



# mityvac®

## Brake & Clutch Bleeding Equipment

www.mityvac.com

### 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:

<b>Pump displacement:</b>	1 in <sup>3</sup> (16 cm <sup>3</sup> ) per stroke
<b>Max. vacuum:</b>	25 in. Hg (85 kPa)
<b>Packaged weight:</b>	1.1 lbs. (.50 kg)
<b>Size (tall x wide x deep):</b>	12 x 10 x 2.3 in. (305 x 250 x 60 mm)



MV8020

### 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:

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



MV6830

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

# Brake & Clutch Bleeding Equipment



MV6835

## MV6835\* Premium Vacuum Brake Bleed Kit

Model MV6835 extends the capabilities of our **MV6830** vacuum brake bleeder by including our **MVA6832** Clamp-on Auto-refill Kit. While the bleeder can evacuate up to 2 qt. (2 l) per minute, the refill kit ensures the master cylinder does not run dry of new fluid, making this kit an extremely efficient method of bleeding hydraulic brake and clutch systems.

### Features:

- Same as **MV6830**

### Includes:

- Same as **MV6830** except with clamp-on style auto-refill kit (**MVA6832**)

### Specifications:

<b>Reservoir capacity:</b>	1.9 qt. (1.8 l)
<b>Refill Reservoir capacity:</b>	40 oz (1.2 l)
<b>Max. pressure:</b>	60 to 150 psi (4.1 to 10.3 bar)
<b>Vacuum @ 90 psi (6.2 bar):</b>	26 in. Hg (88 kPa)
<b>Air consumption @ 90 psi (6.2 bar):</b>	4.3 cfm (2.0 l/s)
<b>Flow rate @ 60 psi (4.1 bar)</b>	50 oz/min (1460 ml/min)
<b>@ 90 psi (6.2 bar)</b>	70 oz/min (2100 ml/min)
<b>@ 150 psi (10.3 bar):</b>	70 oz/min (2100 ml/min)
<b>Inlet thread size:</b>	¼ in. NPT
<b>Packaged weight:</b>	5.1 lbs. (2.3 kg)
<b>Size (tall x wide x deep):</b>	11.5 x 10.8 x 8.8 in. (290 x 275 x 225 mm)



MV6838

## MV6838\* Master Vacuum Brake Bleed Kit

Mityvac model MV6838 is the most complete vacuum brake bleeding and master cylinder refill kit available. It features our powerful **MV6830** vacuum brake bleeder combined with our master cylinder auto-refill kit. Everything is provided to quickly and conveniently vacuum bleed virtually every make and model of vehicle on the road.

### Features:

- Same as **MV6830**

### Includes:

- Same as **MV6830** except with master auto refill kit (**MVA6832** + **MVA6834**)

### Specifications:

<b>Reservoir capacity:</b>	1.9 qt. (1.8 l)
<b>Refill Reservoir capacity:</b>	40 oz (1.2 l)
<b>Max. pressure:</b>	60 to 150 psi (4.1 to 10.3 bar)
<b>Vacuum @ 90 psi (6.2 bar):</b>	26 in. Hg (88 kPa)
<b>Air consumption @ 90 psi (6.2 bar):</b>	4.3 cfm (2.0 l/s)
<b>Flow rate @ 60 psi (4.1 bar)</b>	50 oz/min (1460 ml/min)
<b>@ 90 psi (6.2 bar)</b>	70 oz/min (2100 ml/min)
<b>@ 150 psi (10.3 bar):</b>	70 oz/min (2100 ml/min)
<b>Inlet thread size:</b>	¼ in. NPT
<b>Packaged weight:</b>	6.73 lbs. (3.05 kg)
<b>Size (tall x wide x deep):</b>	15.5 x 10.8 x 8.8 in. (395 x 275 x 225 mm)

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

# Brake & Clutch Bleeding Equipment

www.mityvac.com

## MV6840\* Pressure Bleed System

Model MV6840 is a professional hydraulic brake and clutch bleeding system that includes a fluid dispenser with manual pump (MV6400) and a kit containing seven master cylinder adapters (MVA6850). It forces new brake fluid down through the master cylinder, while air and old fluid are expelled through the bleed screw(s). A pressure gauge on the dispenser allows control of the system pressure, and the pressurized reservoir allows the operator hands-free movement to the bleed screws. See page →24 for a complete list of included adapters and their applications.



### Features:

- Includes seven (7) master cylinder adapters to connect to most American, Asian and European manufactured cars and light trucks
- Large 1.2 gal. (5 l) fluid capacity
- Fluid is dispensed under pressure for smooth continual flow
- Integrated manual pump adds air above the fluid level to prevent aeration
- Internal pump components are sealed against exposure to fluids
- ON/OFF and flow control valve are conveniently located near fluid output
- Utilizes push-to-connect, quick-change style accessory connections
- Pressure gauge indicates fluid dispensing pressure
- Integrated safety and manual pressure relief valve

### Includes:

- 1.2 gal. (5 l) fluid reservoir
- Reservoir lid with integrated manual pump, pressure gauge, and pressure relief valve
- 5 ft. (1.5 m) fluid dispensing hose with flow control and auto-shutoff valves
- MVA6850 pressure bleed adapter kit (includes seven master cylinder adapters)
- Custom-molded storage case for adapters
- Fluid dispensing wand
- Hanging hook
- User's manual

### Specifications:

<b>Reservoir capacity:</b>	1.2 gal. (5 l)
<b>Max. pressure:</b>	20 psi (1.4 bar)
<b>Packaged weight:</b>	14.4 lbs. (6.5 kg)
<b>Size (tall x wide x deep):</b>	11.8 x 11.3 x 15.6 in. (300 x 290 x 396 mm)



MV6840

## MV6844 European Pressure Bleed System

Model MV6844 is a professional hydraulic brake and clutch bleeding system that includes a fluid dispenser with manual pump (MV6400) and a single master cylinder adapter designed for use on most European cars (MVA804). It forces new brake fluid down through the master cylinder, while air and old fluid are expelled through the bleed screw(s). A pressure gauge on the Dispenser allows control of the system pressure, and the pressurized reservoir allows the operator hands-free movement to the bleed screws. See page →24 for a complete list of included adapters and their applications.

### Features:

- Includes threaded adapter MVA804, for connecting to most European manufactured cars
- Large 1.2 gal. (5 l) fluid capacity
- Fluid is dispensed under pressure for smooth continual flow
- Integrated manual pump adds air above the fluid level to prevent aeration
- Internal pump components are sealed against exposure to fluids
- ON/OFF and flow control valve are conveniently located near fluid output
- Utilizes push-to-connect, quick-change style accessory connections
- Pressure gauge indicates fluid dispensing pressure
- Integrated safety and manual pressure relief valve

### Includes:

- 1.2 gal. (5 l) fluid reservoir
- Reservoir lid with integrated manual pump, pressure gauge, and pressure relief valve
- 5 ft. (1.5 m) fluid dispensing hose with flow control and auto-shutoff valves
- MVA804 European pressure bleed adapter
- Fluid dispensing wand
- Hanging hook
- User's manual

### Specifications:

<b>Reservoir capacity:</b>	1.2 gal. (5 l)
<b>Max. pressure:</b>	20 psi (1.4 bar)
<b>Packaged weight:</b>	9.3 lbs. (4.2 kg)
<b>Size (tall x wide x deep):</b>	7.5 x 8.0 x 15.6 in. (190 x 205 x 396 mm)



MV6844

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



# Brake & Clutch Bleeding Equipment



MV6870

## MV6870 Vacuum Brake Bleeder

Mityvac's MV6870 offers high quality and performance in a robust compact design. It features a 1.3 qt. reservoir and powerful compressed-air-operated venturi that quickly draws out fluid and air from hydraulic brake and clutch systems. With the MV6870, one person can perform quick, clean vacuum brake and clutch bleeding.

### Features:

- Compact 1.3 qt. (1.2 l) capacity reservoir
- Comfortable lever-action throttle with lock-on latch
- Durable, molded composite handle can take heavy abuse
- Automatic shutoff prevents overflow
- Integrated hanging hook doubles as a hose wrap for convenient storage
- Universal bleed screw adapter conforms to most common bleed screw sizes
- Integrated muffler for quiet operation

### Includes:

- 1.3 qt. (1.2 l) fluid reservoir
- Reservoir lid with integrated venturi vacuum and muffler
- 4 ft. (1.2 m) bleed hose with molded support
- 2 bleed screw adapter replacements
- Hanging hook
- User's manual

### Specifications:

<b>Reservoir capacity:</b>	1.3 qt. (1.2 l)
<b>Max. pressure:</b>	60 to 150 psi (4.1 to 10.3 bar)
<b>Vacuum @ 90 psi (6.2 bar):</b>	20 in. Hg (68 kPa)
<b>Air consumption @ 90 psi (6.2 bar):</b>	7.3 cfm (3.4 l/s)
<b>Flow rate @ 60 psi (4.1 bar)</b>	22 oz./min (650 ml/min)
<b>@ 90 psi (6.2 bar)</b>	37 oz./min (1095 ml/min)
<b>@ 150 psi (10.3 bar):</b>	37 oz./min (1095 ml/min)
<b>Inlet thread size:</b>	¼ in. NPT
<b>Packaged weight:</b>	1.7 lbs. (0.77 kg)
<b>Size (tall x wide x deep):</b>	11 x 5.5 x 9 in. (280 x 140 x 230 mm)

# Brake & Clutch Bleeding Accessories

www.mityvac.com

## MVA6920 Vacuum Bleed Accessory Kit

The MVA6920 enhances any MV7100 series evacuator/dispenser to perform clean, quick vacuum bleeding of hydraulic brake and clutch lines. The kit contains components to convert any MV7100 series evacuator/dispenser into a one-person vacuum brake bleeder. Hose and universal-style bleed screw adapters allow a simple connection between the bleeder and the bleed screw.

### Features:

- Hose and universal-style bleed screw adapters allow simple connection between the bleeder and the bleed screw
- Uses gravity to automatically maintain the level of new fluid in the master cylinder
- Plate-style refill kit adapts to standard 12 and 32 oz. brake fluid bottles

### Includes:

- 12 oz. and 32 oz. bottle adapter
- 3 in. (75 mm) diameter master cylinder plate
- 6 in. (150 mm) diameter master cylinder plate
- 4 x 8 in. (100 x 200 mm) dual-chamber master cylinder plate
- 3 Universal vacuum bleed screw adapters
- 6 ft (1.8 m) vacuum bleed hose assembly
- Instruction sheet



MVA6920

### Specifications:

<b>Packaged weight</b>	1.6 lbs (0.8 kg)
<b>Unit package size (LxWxH)</b>	8.7" x 1.6" x 8.7" (22 x 4 x 22 cm)

## MVA6921 Premium Vacuum Bleed Accessory Kit

The premium refill system clamps securely to the wall of the master cylinder and uses gravity to automatically maintain the level of new fluid in the master cylinder.

### Features:

- Hose and universal-style bleed screw adapters allow a simple connection between the bleeder and the bleed screw
- Premium refill system clamps securely to the wall of the master cylinder
- Uses gravity or vacuum to automatically maintain the level of new fluid in the master cylinder

### Includes:

- 12 oz. and 32 oz. bottle adapter
- 40 oz. (1.2 l) fluid reservoir with transfer and storage lid
- Base with screw clamp
- Transfer tube with a valve
- Fluid level adjustment spring
- 3 Universal vacuum bleed screw adapters
- 6 ft (1.8 m) vacuum bleed hose assembly
- Instruction sheet



MVA6921

### Specifications:

<b>Packaged weight</b>	1.8 lbs (0.8 kg)
<b>Unit package size (LxWxH)</b>	8.7" x 6.3" x 8.7" (22 x 16 x 22 cm)

## MVA6922 Ultimate Vacuum Bleed Accessory Kit

The ultimate master cylinder refill system provides extended compatibility for connecting to master cylinders, even in tight spaces. It uses gravity or vacuum to automatically maintain the level of new fluid in the master cylinder.

### Features:

- Hose and universal-style bleed screw adapters allow a simple connection between the bleeder and the bleed screw
- Ultimate master cylinder refill system provides extended compatibility for connecting to master cylinders, even in tight spaces
- Uses gravity or vacuum to automatically maintain the level of new fluid in the master cylinder

### Includes:

- 12 oz. and 32 oz. bottle adapters
- 40 oz. (1.2 l) fluid reservoir with hanging hook, transfer and storage lid
- Base with screw clamp, transfer tube and fluid level adjustment spring
- Rectangular dual cylinder chamber refill plate with rubber hold-down cords
- Round refill plate with rubber hold-down cord
- 3 Universal vacuum bleed screw adapters
- 6 ft (1.8 m) vacuum bleed hose assembly
- Instruction sheet



MVA6922

### Specifications:

<b>Packaged weight</b>	2.9 lbs (1.3 kg)
<b>Unit package size (LxWxH)</b>	7.9" x 6.3" x 8.3" (20 x 16 x 21 cm)

# Brake & Clutch Bleeding Accessories



MVA6825

## MVA6825 Master Cylinder Refill Kit

Eliminates the need to repeatedly top-off the brake master cylinder or clutch slave cylinder while vacuum bleeding. Fluid level is automatically maintained, preventing air from being reintroduced into brake and clutch lines. The kit adapts to standard 12 and 32 oz. brake fluid bottles, eliminating the mess and hassle of transferring fluid into a reservoir and maintaining brake fluid integrity.

### Kit includes:

- 12 oz. Bottle adapter
- 32 oz. Bottle adapter
- 3 in. (75 mm) diameter master cylinder plate
- 6 in. (150 mm) diameter master cylinder plate
- 4 x 8 in. (100 x 200 mm) dual chamber master cylinder plate
- Instruction sheet

### Specifications:

**Packaged weight:** 4.7 oz. (135 g)



MVA6832



## MVA6832\* Clamp-on Auto-refill Kit

MVA6832 uses gravity to automatically refill the master cylinder during vacuum or manual hydraulic brake or clutch bleeding/flushing. It includes a 40 oz. (1.2 l) reservoir that mounts on top of the master cylinder and clamps securely to the wall. As old brake fluid is bled from the hydraulic system through the bleed screws, new fluid flows automatically from the reservoir to replenish the master cylinder.

### Features:

- Large 40 oz. (1.2 l) reservoir holds enough fluid for an entire flush
- On/Off valve controls the flow of fluid from the reservoir
- Fluid level control maintains the correct level of fluid in the master cylinder
- Conveniently adapts for use with standard 12 oz. (355 ml) and 32 oz. (946 ml) brake fluid bottles
- Universal top-mount design fits most types of master cylinders

### Kit includes:

- 40 oz. (1.2 l) fluid reservoir with transfer and storage lid
- Base with screw clamp
- Transfer tube with valve
- Level adjustment spring
- 12 oz. (355 ml) bottle adapter
- 32 oz. (946 ml) bottle adapter
- User manual (English/French/Spanish/German)

### Specifications:

<b>Reservoir capacity:</b>	40 oz. (1.2 l)
<b>Packaged weight:</b>	13.4 oz. (0.38 kg)
<b>Packaged size (wide x tall x deep):</b>	6.5 x 5 x 6.3 in. (165 x 125 x 160 mm)

## MVA6834\* Plate-style Auto-refill Upgrade Kit

Upgrade your MVA6832 Clamp-on Auto-refill Kit with MVA6834, to create our Master Auto-refill Kit. The plates included with MVA6834 significantly expand the number of applications to include dual chamber and small neck master cylinders, as well as low clearance applications.

### Features:

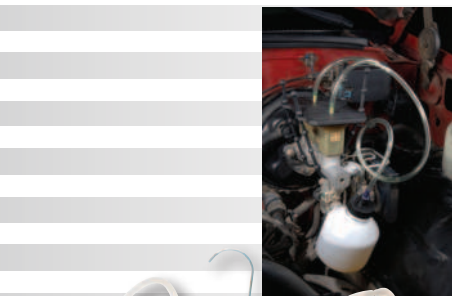
- Extends applications of MVA6832 Clamp-on Auto-refill Kit to include dual chamber and small neck master cylinders
- Refills master cylinder automatically using vacuum produced while brake bleeding
- Utilizes 40 oz. (1.2 l) reservoir included with MVA6832 for bulk dispensing and multiple brake jobs
- Adapts for use with standard 12 oz. (355 ml) and 32 oz. (946 ml) bottles of brake fluid
- Plates are manufactured from durable composite material with foam underside to ensure an airtight seal with master cylinder
- Round and rectangular plates fit virtually every master cylinder

### Kit includes:

- Rectangular dual chamber refill plate
- Round refill plate
- Adjustable length rubber cords
- Fluid transfer tubes with connectors
- Reservoir hanging hook
- User manual (English/French/Spanish/German)

### Specifications:

<b>Packaged weight:</b>	13.4 oz. (0.38 kg)
<b>Packaged size:</b>	6.5 x 5 x 6.3 in. (165 x 125 x 160 mm)



MVA6834

\* ⚠ **WARNING** California Proposition 65: Cancer and reproductive harm. [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



# Mityvac® Brake & Clutch Bleeding Accessories

www.mityvac.com

## MVA6850 Pressure Bleed Adapter Kit

The MVA6850 expands the applications of Mityvac model **MV6400A** and series **MV7100** to include pressure bleeding hydraulic brake and clutch systems. The kit contains seven (7) adapters for connecting to the master cylinders of the majority of US and Asian manufactured cars and light trucks. See →chart below for included adapters and their applications.

### Features:

- Designed for airtight seal with the master cylinder for clean, convenient pressure bleeding
- Connects to pressure/fluid source using convenient quick-change coupler
- Custom molded case keeps adapters secure and organized during use, storage and transport

### Kit includes:

- Pressure bleed adapters **MVA800, MVA801, MVA802, MVA803, MVA804, MVA806, MVA808** and **MVA810**
- Custom molded storage and transport case

### Specifications:

**Packaged weight:** 5.9 lbs. (2.7 kg)

**Packaged size:** 15.1 x 3.5 x 11.8 in.  
(385 x 90 x 300 mm)



MVA6850

## Pressure Bleed Adapters

Mityvac offers ten pressure bleed adapters designed to fit the master cylinder and clutch slave cylinder reservoirs for most makes and models of vehicles sold in North America. Adapters **MVA800** thru **MVA808** fit the reservoir like the original cap, and have a rotating, low-profile, right angle connector design for access into tight locations. Adapters **MVA809** thru **MVA812** are for varying universal applications and offer a unique adjustable clamping design that applies pressure to the center of the adapter for a more uniform seal.

### Specifications:

Part #	Description	Application
<b>MVA800*</b>	Locking collar	Toyota, Lexus
<b>MVA801*</b>	3-tab camlock	Chrysler, Dodge, Jeep, Plymouth
<b>MVA802*</b>	3-tab camlock	Chrysler, Dodge, Jeep, Plymouth
<b>MVA803*</b>	3-tab camlock	Most late model GM cars (Buick, Cadillac, Chevrolet, GMC, Hummer, Oldsmobile, Pontiac), some Mazda
<b>MVA804**</b>	45 mm thread	Most European cars (Alfa Romeo, Audi, BMW, Jaguar, Land Rover, Mercedes, Peugeot, Porsche, Renault, Saab, VW, Volvo), Chrysler Crossfire, Daewoo, late model Ford, Kia, some Mazda and Mini Cooper
<b>MVA805</b>	2-tab camlock	Early model Fords with 2-tab master cylinders
<b>MVA806*</b>	3-tab camlock	Some late model GM cars not covered by MVA803. Similar to MVA803, but with slightly different master cylinder neck
<b>MVA808*</b>	3-tab camlock	All Hyundai, Mitsubishi, Nissan and Subaru, some Chrysler/Dodge, some Ford/Lincoln
<b>MVA809</b>	Universal round cone secured with chain	Master cylinders with small round necks from 1¼ to 2⅛ in. (32 to 54 mm) internal diameter
<b>MVA810*</b>	Universal round cone secured with chain	All Acura, Honda, Isuzu and Suzuki, some Mitsubishi. Master cylinders with large round necks from 1¾ to 35/16 in. (50 to 80 mm) internal diameter
<b>MVA811</b>	Face seal secured with dual chains	Rectangular shaped master cylinders ranging in size up to 3½ x 6 in. (90 x 150 mm)
<b>MVA812</b>	Face seal secured with double chains	Rectangular shaped master cylinders ranging in size from 3½ x 6 in. (90 x 150 mm) to 4¼ x 7¾ in. (108 x 200 mm)
<b>MVA7214</b>	ATF refill hose with Toyota adapter	Toyota

\* Included in **MVA6850** and **MV6840** \*\* Included in **MV6844, MV6840** and **MVA6850**

## 801768 Replacement Seal Kit

Includes replacement seals for pressure brake bleed adapters **MVA800, MVA801, MVA802, MVA803, MVA804, MVA806, and MVA808**.



MVA800

MVA801

MVA802

MVA803

MVA804

MVA805

MVA806

MVA808

MVA809

MVA810

MVA811

MVA812

# Brake & Clutch Bleeding Accessories



MVA6837

## MVA6837\* Brake Bleed Reservoir Kit

Model MVA6837 reservoir kit is specially designed to capture brake fluid expelled from the bleed screw when pressure or gravity brake bleeding is performed. The kit includes the Mityvac universal bleed screw adapter, which forms a tight seal around the bleed screw to ensure a clean, efficient bleed job.

### Features:

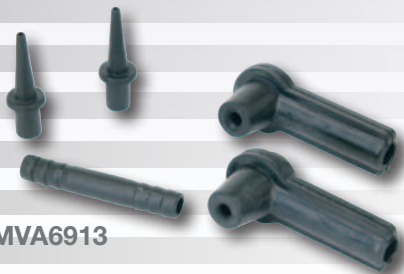
- Universal bleed screw adapter forms tight seal to prevent leakage
- 40 oz. (1.2 l) reservoir holds enough fluid for an entire flush
- Includes hook for hanging the reservoir near the bleed location

### Kit includes:

- 40 oz. (1.2 l) fluid reservoir
- Universal bleed screw adapter
- Fluid transfer tube
- Hanging hook

### Specifications:

<b>Reservoir capacity:</b>	40 oz. (1.2 l)
<b>Packaged weight:</b>	2.1 lbs. (1.0 kg)
<b>Packaged size (wide x tall x deep):</b>	5.0 x 8.0 x 8.0 in. (125 x 205 x 205 mm)



MVA6913

## MVA6913\* Universal Brake Bleed Adapters

Mityvac's Universal Brake Bleed Adapter is specially designed to fit snugly onto a wide range of brake and hydraulic clutch bleed screws. It forms an airtight seal, and maintains a firm grip on the screw nipple.

### Kit includes:

- (2) universal bleed screw adapters
- (2) tapered bleed adapters
- Brass barbed adapter for connecting to ¼ in. (6.4 mm) ID tubing.

### Specifications:

<b>Packaged weight:</b>	1.0 oz. (28 g)
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MVA6007

## MVA6007\* Dual Adapter Bleed Kit

This specially designed accessory attaches to Mityvac hand vacuum/pressure pumps and vacuum brake bleeding equipment for simultaneous bleeding of motorcycle dual caliper brake systems. Includes clear ¼ in. (6.4 mm) ID hoses and two universal bleed adapters.

### Specifications:

<b>Packaged weight:</b>	7.6 oz. (215 g)
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\* ⚠ **WARNING** California Proposition 65: Cancer and reproductive harm.  
www.P65Warnings.ca.gov

# Mityvac®

## Engine Diagnostic Equipment

www.mityvac.com

Mityvac has long been an industry leader in vacuum related engine performance and diagnostic test equipment. In addition to the original Mityvac automotive vacuum test kits, we offer an outstanding selection of cylinder compression and fuel system pressure test kits to meet the needs of professional service technicians worldwide.

### MV5545\* Fuel System Test Kit

The MV5545 Fuel System Tester diagnoses and pinpoints common fuel system failures including failing fuel pump, faulty pressure regulator, blocked filter(s), pinched fuel line, contaminated fuel and fuel tank vortex

#### Features:

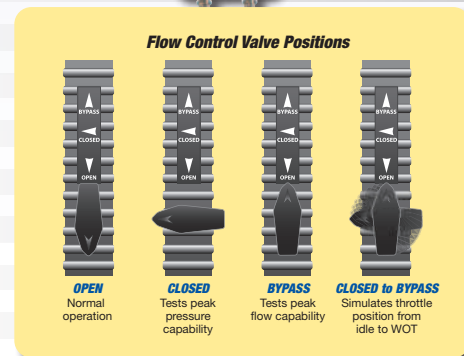
- Measures fuel system pressure and flow to accurately pinpoint fuel system failures.
- Saves hours of troubleshooting time by diagnosing a bad fuel pump and other related drivability problems in seconds.
- Patented system simulates extreme driving conditions in the shop to provide the most accurate diagnosis.
- Capable of testing both return and returnless fuel systems including electronic control.
- Provides clear visualization of fuel to detect impurities and air bubbles

#### Kit includes:

- 3.5 in. (90 mm) high pressure gauge with rubber boot, push-button relief valve, and hanging hook.
- Flowmeter with borosilicate glass flow tube, patented flow-control valve, and 1 gal./min maximum flow capability.
- (2x) 4 ft. (1.2 m) long flowmeter hose
- Clear bypass and pressure relief hoses
- (2x) fuel hose clamp
- Adapters for connecting to U.S., European, and Asian manufactured cars & light trucks
- Flowmeter faceplates with gallon/minute and liter/minute units of measure
- Custom molded case
- User manual

#### Specifications:

<b>Max. volume:</b>	1.0 gal./min. (3.8 l/min.)
<b>Max. pressure:</b>	200 psi (13.5 bar)
<b>Packaged weight:</b>	13.7 lbs. (6.2 kg)
<b>Packaged size (wide x tall x deep):</b>	5.0 x 8.0 x 8.0 in. (125 x 205 x 205 mm)



MV5545

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



# Engine Diagnostic Equipment

## Fuel System Test Adapters

With the noted exceptions, the following adapters are included in kits **MV5545** and **MV5546**. Together, they fit most US, Asian, and European manufactured vehicles.

Each can be ordered separately using the part number indicated below.

### Specifications:

Part #	Description	Application
<b>MVA505</b>	1/4-3/8 in. Barbed flex hose adapter 1/4 in. Flex hose adapter 5/16 in. Flex hose adapter 3/8 in. Flex hose adapter	Vehicles with 1/4, 5/16, or 3/8 in. rubber to steel hose connection Vehicles with 1/4 in. rubber to steel hose connection Vehicles with 5/16 in. rubber to steel hose connection Vehicles with 3/8 in. rubber to steel hose connection
<b>MVA507</b> *	GM/Chrysler Right angle test port adapter	GM & some Chrysler vehicles with 7/16 in. -20 thread test port on fuel rail
<b>MVA508</b> *	Ford/Chrysler Right angle test port adapter	Ford & some Chrysler vehicles with .308-32 thread test port on fuel rail
<b>MVA510</b> *	GM/Chrysler Test port adapter	GM & some Chrysler vehicles with 7/16 in. -20 thread test port on fuel rail
<b>MVA511</b> *	Ford/Chrysler Test port adapter	Ford & some Chrysler vehicles with .308-32 thread test port on fuel rail
<b>MVA512</b> <sup>2</sup>	3/8 in. Quick-change adapter	GM, Chrysler, Jeep/Eagle
<b>MVA517</b> <sup>3</sup>	M12 x 1.5 Ball nose adapter	European vehicles with CIS fuel system
<b>MVA518</b> <sup>3</sup>	M14 x 1.5 Ball nose adapter	European vehicles with CIS fuel system
<b>MVA519</b> <sup>3</sup>	M16 x 1.5 Ball nose adapter	European vehicles with CIS fuel system
<b>MVA520</b> <sup>2</sup>	M16 x 1.5 Adapter	GM Vortec
<b>MVA521</b> <sup>2</sup>	M14 x 1.5 Adapter	GM Vortec
<b>MVA522</b> <sup>2</sup>	3/8 in. Flare nut adapter	Carbureted & early fuel injected systems
<b>MVA523</b> <sup>2</sup>	5/16 in. Flare nut adapter	Carbureted & early fuel injected systems
<b>MVA524</b> <sup>2</sup>	3/8 in. Spring lock adapter	Ford fuel injected systems
<b>MVA525</b> <sup>2</sup>	1/2" Spring lock adapter	Ford fuel injected systems
<b>MVA530</b> <sup>1</sup>	M8 x 1.0 Banjo adapter	Toyota
<b>MVA531</b> <sup>1</sup>	M10 x 1.0 Banjo adapter	Toyota
<b>MVA532</b> <sup>1</sup>	M12 x 1.25 Banjo adapter	Toyota, Lexus, Geo, Honda, Acura, Hyundai, Mazda, Daihatsu, Chrysler imports
<b>MVA533</b>	M14 x 1.5 Banjo adapter	European applications
<b>MVA534</b> *	10 mm Quick-change adapter	Diesel
<b>MVA535</b>	5/16 in. Quick-change connect adapter	GM, Chrysler, Jeep/Eagle, Toyota

\* Not included in **MV5545**

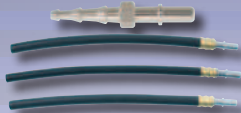
1 Included in **MVA504**

2 Included in **MVA502**

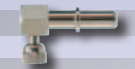
3 Included in **MVA503**



**MVA507**  
Test port adapter



**MVA505**  
Hose adapter



**MVA508**  
Test port adapter



**MVA510**  
Test port adapter



**MVA512**  
Quick-change adapter



**MVA511**  
Test port adapter



**MVA530**  
Banjo adapter



**MVA520**  
Adapter



**MVA531**  
Banjo adapter



**MVA521**  
Adapter



**MVA532**  
Banjo adapter



**MVA522**  
Flare nut adapter



**MVA533**  
Banjo adapter



**MVA523**  
Flare nut adapter



**MVA518**  
Ball nose adapter



**MVA524**  
Spring lock adapter



**MVA517**  
Ball nose adapter



**MVA525**  
Spring lock adapter



**MVA539**  
Ball nose adapter



**MVA535**  
Quick-connect adapter



**MVA534**  
Quick-connect adapter

**MVA504**  
Banjo adapter kit



**MVA503**  
Ball nose adapter kit



**MVA502**  
U.S. adapter kit



# Mityvac®

## Engine Diagnostic Equipment

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### MV5546\* Fuel Pressure Test Kit

Tests fuel system pressure to diagnose common fuel system problems including failing fuel pump, faulty pressure regulator, blocked filter(s), or pinched fuel line(s).

#### Features:

- Contains 37 adapters for pressure testing most US, Asian, and European manufactured vehicles.
- High quality, heavy duty gauge with 0 to 120 psi (0 to 8 bar) scale, protective rubber boot, and push-button pressure relief valve.
- Uses SAE certified, fuel-rated quick connects for reliability, ease of use, and interchangeability.
- Easily upgrades to a fuel pressure and flow tester with the addition of flowmeter upgrade kit **MVA5553**.
- Packaged in custom toolbox style case.

#### Specifications:

<b>Reservoir capacity:</b>	40 oz. (1.2 l)
<b>Packaged weight:</b>	2.1 lbs. (1.0 kg)
<b>Packaged size (wide x tall x deep):</b>	5.0 x 8.0 x 8.0 in. (125 x 205 x 205 mm)

#### Kit includes:

- 3.5 in. (90 mm) high pressure gauge with rubber boot, push-button relief valve, and hanging hook.
- 4 ft. (1.2 m) long pressure test hose
- Inline pressure test hose with ¼ turn valve
- 37 adapters for connecting to most U.S., European, and Asian manufactured automobiles
- Pressure relief hose
- Custom molded case
- User manual



MV5546

### MVA5553\* Flowmeter Upgrade Kit

Upgrades **MV5546** Fuel Pressure Test Kit into **MV5545** FST Pro Fuel System Tester, for automotive fuel pressure and flow testing.

#### Features:

- Includes flowmeter and accessories required for adding fuel flow testing capabilities to the Mityvac MV5546 Fuel Pressure Test Kit.
- Significantly reduces labor time to diagnose and pinpoint automotive fuel system malfunctions such as failing fuel pump, block fuel filter, and faulty pressure regulator.
- Allows visual inspection of fuel for contamination and air bubbles.
- Patented flow valve quickly performs dead-head test and allows simulation of wide-open throttle (WOT) condition while vehicle is at idle.

#### Kit includes:

- Flowmeter with borosilicate glass flow tube, patented flow-control valve, and 1 gal./min maximum flow capability.
- (2x) 4 ft. (1.2 m) long flowmeter hose
- Fuel bypass hose
- (2x) fuel hose clamp
- (2x) fuel hose plug
- User manual

#### Specifications:

<b>Packaged weight:</b>	5.5 lbs. (2.5 kg)
<b>Packaged size (wide x tall x deep):</b>	14.0 x 13.8 x 3.0 in. (355 x 350 x 75 mm)



MVA5553

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

### MVA5552 Pressure Test Accessory Kit

Upgrades **MV5545** FST Pro Fuel System Tester to allow it to test fuel pressure through the fuel rail test port.

#### Features:

- 4 ft. (1.2 m) test hose allows pressure gauge to extend out from under the hood during drivability test.
- Inline and right angle adapters ease connection on hard to reach applications
- Adapters use SAE certified, fuel-rated quick connects for reliability, ease of use, and interchangeability.

#### Kit includes:

- 4 ft. (1.2 m) long fuel pressure test hose.
- Right angle adapter for Schrader-style fuel rail test ports with 7/16 x 20 thread
- Right angle adapter for Schrader style fuel rail test ports with .308 x 32 thread
- Inline adapter for Schrader style fuel rail test ports with 7/16 x 20 thread
- Inline adapter for Schrader style fuel rail test ports with .308 x 32 thread
- User manual

#### Specifications:

<b>Packaged weight:</b>	1.2 lbs. (.55 kg)
<b>Packaged size (wide x tall x deep):</b>	7.8 x 5.8 x 2.0 in. (200 x 145 x 50 mm)



MVA5552

# Engine Diagnostic Equipment



## MV5532 Digital Compression Test Kit

This comprehensive gasoline engine compression test kit features an electronic tester that memorizes the peak compression value for each cylinder. When testing is complete, the values can be quickly reviewed at the push of a button. Everything is included to perform wet and dry compression tests commonly used to detect ring or cylinder head problems, sticking valves, blown head gasket(s) and more. Includes adapters for use on motorcycles and marine and small engines, and an air-hold adapter for performing valve seal repairs without removing the cylinder head(s). Not for use on diesel engines.

### Features:

- Stores maximum compression value for up to 12 cylinders
- Backlit LC display is easy to read from any angle and in any light
- Uses standard 9 V battery for convenience and cost
- Automatically shuts off after 3 minutes of non-use (memory is retained)
- Rubber boot protects the gauge from bumps and drops
- Sealed, grease- and oil-resistant gauge face prevents contamination of electronics
- Displays values in psi, bar and kPa

### Kit includes:

- Digital compression tester comprising of test gauge with rubber boot, 10 in. (250 mm) high-pressure hose and female quick-change coupler
- 14 mm standard reach thread x 6.5 in. (165 mm) hose adapter
- 14 mm standard reach thread x 12 in. (305 mm) hose adapter
- 14 mm reach thread x 12 in. (305 mm) hose adapter
- 18 mm standard reach thread x 12 in. (305 mm) hose adapter
- 18 mm reach male thread x 14 mm standard reach female thread plug adapter
- 16 mm male thread x 14 mm standard reach female thread plug adapter
- 10 mm male thread x 14 mm standard reach female thread plug adapter
- 12 mm male thread x 14 mm standard reach female thread plug adapter
- Air hold adapter
- Field service kit
- Custom-molded case
- User manual (English/French/Spanish/German)

### Specifications:

<b>Max. pressure:</b>	300 psi (20.5 bar) (2,070 kPa)
<b>Packaged weight:</b>	4.9 lbs. (2.21 kg)
<b>Packaged size (wide x tall x deep):</b>	15.7 x 12.4 x 3.2 in. (400 x 315 x 82 mm)

#### Current Pressure Indication

Displays the maximum compression value for the indicated cylinder until the Pressure Relief Button is pressed.

#### Current Unit Indication

Displays current unit of measure. Available units of measure include PSI, Bar or kPa.

#### On/Unit/Off Button

Pressing this button turns the tester on. Pressing it again changes the unit of measure. Pressing and holding the button for 3 seconds turns it off. The tester will turn off automatically after six minutes of non-use. Settings and compression values are maintained when tester is cycled off and on.

#### Cylinder Advance Button

Pressing this button advances the cylinder number by one in preparation for the next cylinder compression test.



#### Cylinder # Indication

Indicates the cylinder number corresponding to the displayed compression value.

#### Maximum Compression Indication

Indicates the maximum compression value for the indicated cylinder.

#### Clear Button

Clears the maximum compression value shown for the indicated cylinder. Clears the values for all cylinders and returns to cylinder #1 when held for 3 seconds.

#### Pressure Relief Button

Zeroes the current pressure in preparation for the next test. Allows multiple tests without disconnecting the tester.



# Mityvac®

## Engine Diagnostic Equipment

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### MV5530\* Compression Test Kit

This comprehensive kit includes everything required to perform dry and wet engine cylinder compression tests commonly used to detect ring or cylinder head problems, sticking valves, blown head gasket(s) and more. Includes adapters for use on motorcycles, marine and small engines and an air-hold adapter for performing valve seal repairs without removing the cylinder head(s). Not for use on diesel engines.

#### Features:

- Manual pressure release for maintaining peak readings
- Professional-grade threaded adapters for leak-proof seals
- Extended hoses for hard-to-reach applications
- Large, easy-to-read diameter gauge
- Adapters to fit engines as small as lawn mowers, chain saws and trimmers
- Quick-disconnect coupler for easy accessory changes

#### Kit includes:

- 2¼ in. (70 mm) gauge with high impact lens, rubber boot, and four (4) scales of measure (psi, kg/cm<sup>2</sup>, bar, kPa), attached to 10 in. (250 mm) hose and quick release coupler
- 14 mm short-thread adapter with 6½ in. (165 mm) and 12 in. (305 mm) hoses
- 14 mm long-thread adapter with 12 in. (305 mm) hose
- 18 mm short-thread adapter with 12 in. (305 mm) hose
- 14 mm short-thread x 18 mm long-thread adapter
- 10 mm thread small engine adapter
- 12 mm thread small engine adapter
- Quick-release air hold adapter
- Custom blow-molded case
- Field service kit
- User manual (English/Spanish/French)



MV5530

#### Specifications:

<b>Max. pressure:</b>	300 psi (21 kg/cm <sup>2</sup> ) (20.5 bar) (2,070 kPa)
<b>Packaged weight:</b>	3.5 lbs. (1.6 kg)
<b>Packaged size (wide x tall x deep):</b>	14.5 x 8 x 2.7 in. (370 x 205 x 70 mm)

### Gas Compression Test Adapters

#### Specifications:

Part #	Description
MVA5501	10 mm male thread x 14 mm standard reach female thread
MVA5502	12 mm male thread x 14 mm standard reach female thread
MVA5503	18 mm long reach male thread x 14 mm standard reach female thread
MVA5504	14 mm standard reach thread x 12 in. (305 mm)
MVA5506	14 mm long reach thread x 12 in. (305 mm)
MVA5507	16 mm male thread for Ford Triton engines x 14 mm standard reach female thread
MVA5508	14 mm standard reach thread x 6.5 in. (165 mm)
MVA5509	18 mm standard reach thread x 12 in. (305 mm)
MVA5510	Air Hold Adapter
MVA5511	Deep Well Test Adapter The Mityvac Deep Well Test Adapter is designed for compression testing gasoline engines with deep spark plug wells. The adapter extends 8 in. beyond the installation surface and services both 14 mm and 18 mm threads.



MVA5501



MVA5502



MVA5504



MVA5503



MVA5506



MVA5507



MVA5508



MVA5510



MVA5509



MVA5511

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

# Engine Diagnostic Equipment



MV5535

## MV5535\* Digital Diesel Compression Test Kit

This comprehensive diesel engine compression test kit features an electronic tester that memorizes the peak compression value for each cylinder. When testing is complete, the values can be quickly reviewed at the push of a button. The kit also includes two (2) injector adapters and four (4) glow plug adapters for testing most modern diesel cars and light trucks sold in the United States.

### Features:

- Stores maximum compression value for up to 12 cylinders
- Backlit LC display is easy to read from any angle and in any light
- Uses standard 9 V battery for convenience and cost
- Automatically shuts off after 3 minutes of non-use (memory is retained)
- Rubber boot protects the gauge from bumps and drops
- Sealed, grease- and oil-resistant gauge face prevents contamination of electronics
- Displays values in psi, bar and kPa

### Kit includes:

- Digital compression tester comprising of test gauge with rubber boot, 15 in. (380 mm) long, high-pressure hose, quick-change coupler
- Adapters **MVA5601**, **MVA5602**, **MVA5603**, **MVA5604**, **MVA5605**, **MVA5606**, **MVA5607**
- Injector adapter (Dodge 24V 5.9L Cummins (1999-2003), 5.9L Cummins ISB and ISBE)
- Injector adapter (Case/Cummins Series in.B in. 2.9L, 3.9L, 5.9L through 1998)
- Glow plug adapter (GM 4.3L, 5.7L (1978-1985), Navistar 6.9L, 7.3L through 1994)
- Glow plug adapter (GM 6.2L, 6.5L V8)
- Glow plug adapter (Ford/Navistar 7.3L power stroke (1994-2003))
- Glow plug adapter (Volkswagen 1.9L TDI)
- Right-angle adapter
- Field service kit
- Custom-molded case
- User manual (English/French/Spanish/ German)

### Specifications:

<b>Max. pressure:</b>	1,000 psi (6890 kPa) (68.9 bar)
<b>Packaged weight:</b>	5.2 lbs. (2.36 kg)
<b>Packaged size (wide x tall x deep):</b>	15.7 x 12.4 x 3.2 in. (400 x 315 x 82 mm)

## MV5536\* Digital Diesel Compression Tester

The Mityvac MV5536 electronic diesel compression tester memorizes the peak compression value for up to 12 cylinders. After testing, the values can be quickly reviewed at the push of a button. Capable of testing compression up to 1,000 psi (6890 kPa) (68.9 bar). The tester features a backlit LC display that is easy to read in any light. Its oil- and grease-resistant gauge face and rubber boot make it durable, and the custom case has room for storing adapters.

### Features:

- Stores maximum compression value for up to 12 cylinders
- Backlit LC display is easy to read from any angle and in any light
- Uses standard 9 V battery for convenience and cost
- Automatically shuts off after 3 minutes of non-use (memory is retained)
- Rubber boot protects the gauge from bumps and drops
- Sealed, grease- and oil-resistant gauge face prevents contamination of electronics
- Displays values in psi, bar and kPa

### Kit includes:

- Digital compression tester comprising of test gauge with rubber boot, 15 in. (380 mm), high-pressure hose and quick-change coupler
- Custom-molded case
- User manual (English/French/Spanish/ German)

### Specifications:

<b>Max. pressure:</b>	1,000 psi (6890 kPa) (68.9 bar)
<b>Packaged weight:</b>	2.5 lbs. (1.11 kg)
<b>Packaged size (wide x tall x deep):</b>	12.5 x 8.4 x 3.8 in. (315 x 210 x 95 mm)



MV5536

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

# mityvac®

## Engine Diagnostic Equipment

www.mityvac.com

### MV5534\* Analog Diesel Compression Tester

The Mityvac MV5534 diesel compression tester features an accurate glycerin-filled gauge capable of testing cylinder compression up to 1,000 psi (6890 kPa) (68.9 bar). It has a long 15 in. (380 mm) high-pressure hose with a quick-change coupler for getting into extremely tight areas. It also features a push-button pressure relief valve for running consecutive tests without disconnecting the gauge. The tester comes in a custom-molded case with extra storage space for adapters.

#### Features:

- Heavy-duty gauge is glycerin filled to dampen needle bounce
- Push-button pressure relief allows repeated tests without disconnecting the tester
- Quick-change coupler is convenient for getting into tight spaces
- Rubber boot protects the gauge from bumps and drops
- Units of measure include psi, kg/cm<sup>2</sup> and bar
- Includes custom-molded case with extra space for adapters

#### Kit includes:

- Compression tester comprising of glycerin-filled test gauge with rubber boot, 15 in. long (380 mm long) high-pressure hose and quick-change coupler
- Custom-molded case
- User manual (English/French/Spanish/German)



MV5534

#### Specifications:

<b>Max. pressure:</b>	1,000 psi (6890 kPa) (68.9 bar)
<b>Packaged weight:</b>	2.5 lbs. (1.14 kg)
<b>Packaged size (wide x tall x deep):</b>	12.5 x 8.4 x 3.8 in. (315 x 210 x 95 mm)

### MV5520 Compression Test Kit

Designed for dry and wet automotive cylinder compression testing to detect ring or cylinder head problems, sticking valves, blown head gasket(s) and more. Pressure gauge has a large easy-to-read face, and includes hose and adapters for testing engines with 14 mm and 18 mm short thread and 14 mm long thread spark plugs. Not for use on diesel engines.

#### Features:

- Manual pressure release for maintaining peak readings
- Large easy-to-read gauge face with multi-colored scales
- Professional-grade threaded adapters for leak proof seals
- Quick-disconnect coupler speeds up cylinder changes

#### Kit includes:

- 2¾ in. (70 mm) diameter Bourdon tube gauge (readings indicated in four (4) scales of measure (bar, psi, kPa, and kg/cm<sup>2</sup>) with pressure release and quick-change coupler.
- 14 mm and 18 mm short-thread adapter with 15 in. (380 mm) hose
- 14 mm long-thread adapter
- User manual (English/Spanish/French)



MV5520

#### Specifications:

<b>Max. pressure:</b>	300 psi (21 kg/cm <sup>2</sup> ) (20.5 bar) (2,070 kPa)
<b>Packaged weight:</b>	1.0 lb. (0.45 kg)
<b>Packaged size (wide x tall x deep):</b>	5 x 12 x 1¾ in. (125 x 305 x 35 mm)



# Engine Diagnostic Equipment

## Diesel Compression Test Adapters

Diesel engines utilize a fuel injector on each cylinder to inject fuel for combustion. Although they do not use spark plugs to ignite the fuel, most utilize glow plugs to aid cold starts. In order to access the compression within a cylinder, an adapter is required which replaces either the injector or the glow plug. Mityvac offers injector and glow plug adapters to facilitate testing of most diesel engines in use in cars and light trucks, industry, construction, marine and agriculture. In addition we offer MotoMeter™ and Snap-on™ adapters that allow the use of Mityvac testers with these brands of test adapters. All Mityvac adapters are designed for use with our digital or analog compression testers.

Manufacturer	Adapter No.	Thread size	Model / Engine
Allis-Chalmers	<b>MVA5620</b>		6000, 7000, 10000, 11000
Audi	<b>MVA5622</b>		All U.S. models
BMW	<b>MVA5613</b>	M12 x 1.25, M18 x 1.50	2.4L
J.I. Case	<b>MVA5619</b>		70 Series, 188 & 207 cid with pencil-type injector
J.I. Case	<b>MVA5620</b>		70 & 90 series, 1570, 2470, 2480, 4890 engines with non-pencil-type injector
Perkins	<b>MVA5619</b>		1100 & 3208 series pencil-type injector
Caterpillar	<b>MVA5616</b>		D336, 1674, 1676, 3406, 3408, 3412
Chevrolet	<b>MVA5614</b>	M10 x 1.25	1.8L, 2.2L LUV/Isuzu
Cummins/Case	<b>MVA5602 *</b>		B series, 2.9L, 3.9L, 5.9L
Cummins/Case	<b>MVA5617</b>		C series, 8.3L
Cummins/Case	<b>MVA5623</b>		NH855, V6, V8, V12, 903 V8, L10
Cummins	<b>MVA5615</b>		V-185, V-210, V-225, V-555, VT-255, VT-555
Cummins	<b>MVA5622</b>		6BT, 4.02 in. bore, 5.9L
Detroit Diesel	<b>MVA5621</b>		53, 71, 92, 110, 149, V53, V71
Deutz	<b>MVA5613</b>	M12 x 1.25, M18 x 1.50	Most models
Dodge	<b>MVA5602 *</b>		5.9L, 12V Cummins (1989-1998)
Dodge	<b>MVA5601</b>		5.9L, 24V Cummins (1998-2005)
Fiat Allis	<b>MVA5620</b>		8035-02-300, 8035-02-301, 8035-02-302, 8045-02, 8045-03
Fiat Allis	<b>MVA5620</b>		Tractor engines
Ford	<b>MVA5612</b>	M10 x 1.25	Escort, Lynx, Tempo, Topaz (1984-85)
Ford	<b>MVA5603</b>	M10 x 1.0	Navistar 6.9L & 7.3L through 1994
Ford	<b>MVA5605</b>	M10 x 1.0	Navistar 7.3L Power Stroke
Ford	<b>MVA5610</b>	M14 x 1.25	International VT365 and Ford Power Stroke 6.0L engines
Ford/Mazda	<b>MVA5612</b>	M10 x 1.25	2.0L & 2.2L Ford products including Ranger
Ford/Mazda	<b>MVA5603</b>	M10 x 1.0	4.3L & 5.7L (1978-85)
GM	<b>MVA5604</b>	M10 x 1.0	6.2L & 6.5L V8
GM	<b>MVA5613</b>	M12 x 1.25, M18 x 1.50	W4, W7, W7HV (GMC Trucks)
GM	<b>MVA5611</b>		Duromax 6600
IHC	<b>MVA5620</b>		D361, DT361 D429, DT429, DV462, DV550, DVT550, DT573, DV573, DVT573, 361, 407
IHC	<b>MVA5614</b>	M10 x 1.25	1.8L, 2.2L
Isuzu	<b>MVA5611</b>		6.6L
Isuzu	<b>MVA5612</b>	M10 x 1.25	NPR, KS, NGR (Trucks)
John Deere	<b>MVA5619</b>		Pencil Injector—Early 300, 400, 500 Series & 276, 404, 531 CID engines
John Deere	<b>MVA5620</b>		404, 466, 453, 619
Kubota	<b>MVA5612</b>	M10 x 1.25	Some models
Lincoln	<b>MVA5613</b>	M12 x 1.25, M18 x 1.50	2.4L Mark VII, Continental (1984-85)
Lincoln	<b>MVA5612</b>	M10 x 1.25	Mark VII, Continental with Volvo engines
Mack	<b>MVA5620</b>		END 405, 457, 475, 510, 605, 672, 673, 674, 711, 864 & ENDT 673, 675, 676, 865, 866
Mercedes	<b>MVA5622</b>		Cars & trucks with 24 mm ports
Mercedes	<b>MVA5613</b>	M12 x 1.25, M18 x 1.50	250, 300, 300 Turbo, 350 Turbo
Mercedes	<b>MVA5624</b>		Mercedes MBE-900 and MVE-4000
Mitsubishi	<b>MVA5612</b>	M10 x 1.25	2 & 3 cylinder engines, some Fuso
Navistar	<b>MVA5618</b>		DT360, DT466, 9.0L, 312, 360, 414, 436, & 446 cid up to 1997
Nissan	<b>MVA5612</b>	M10 x 1.25	2.2L & Medium UD truck
Onan	<b>MVA5620</b>		DSL, MDSL

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## Engine Diagnostic Equipment

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Manufacturer	Adapter No.	Thread size	Model / Engine
Perkins	<b>MVA5620</b>		4.203, 4.236, 4.248, 6.354, 8.540
Perkins	<b>MVA5619</b>		1100 & 3208 series pencil-type injector
Peugeot	<b>MVA5613</b>	M12 x 1.25, M18 x 1.50	2.3L & 2.5L (1978-86)
Scania	<b>MVA5620</b>		DN11, DS11
Toyota	<b>MVA5614</b>	M10 x 1.25	1.8L
Toyota	<b>MVA5612</b>	M10 x 1.25	2.2L
Volkswagen	<b>MVA5622</b>		All except 1.6L & 1.9L TDI
Volkswagen	<b>MVA5606</b>		1.6L
Volkswagen	<b>MVA5613</b>	M12 x 1.25, M18 x 1.50	1.9L TDI
Waukesha	<b>MVA5619</b>		D155D
Waukesha	<b>MVA5620</b>		180DLC, 190D, 195D, 197D
White Farm	<b>MVA5620</b>		66, 77, 88, 99, 166, 177, 188, 199, 550, 660, 770, 880, 950, 1550, 1555, 1600, 1650, 16555, 1750, 17555, 1800, D2000, 2300, 3000
Wisconsin	<b>MVA5620</b>		340, 350, 430, 660, 670, 750, 860, 1000



**MVA5621**  
Injection adapter



**MVA5624**  
Injection adapter



**MVA5623**  
Injection adapter



**MVA5622**  
Injection adapter



**MVA5602**  
Injection adapter



**MVA5620**  
Injection adapter



**MVA5619**  
Injection adapter



**MVA5618**  
Injection adapter



**MVA5604**  
Glow plug adapter



**MVA5617**  
Injection adapter



**MVA5616**  
Injection adapter



**MVA5615**  
Injection adapter



**MVA5610**  
Glow plug adapter



**MVA5612**  
Glow plug adapter



**MVA5613**  
Glow plug adapter



**MVA5614**  
Glow plug adapter



**MVA5601**  
Injection adapter



**MVA5610**  
Glow plug adapter



**MVA5603**  
Glow plug adapter



**MVA5606**  
Glow plug adapter

<sup>1</sup> Included in **MV5535** Kit



**MVA5605**  
Glow plug adapter

# Engine Diagnostic Equipment



MV5525 \*

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## MV5525\* Compression Tester

This quick-test style tester does not require threading into the spark plug hole, making it an ideal, economic solution for quickly diagnosing engine compression problems such as worn piston rings, sticking or burnt valves, blown head gasket(s) or carbon build-up in cylinders, on cars and small engines. Not for use on diesel engines.

### Features:

- Large easy-to-read pressure gauge
- Universal rubber adapter fits virtually any size spark plug hole
- Manual release valve holds peak pressure readings for easy recording
- Small compact unit fits conveniently into tool box

### Specifications:

<b>Max. pressure:</b>	300 psi (21 kg/cm <sup>2</sup> ) (20.5 bar) (2,070 kPa)
<b>Packaged weight:</b>	6.7 oz (190 g)
<b>Packaged size (wide x tall x deep):</b>	6 x 2¼ in. (150 x 70 mm) gauge

## MV5515\* Fuel Injection Pressure Test Kit

An essential tool for diagnosing many fuel injection problems including leaking or clogged injectors, fuel rail deterioration, clogged fuel filter and fuel pump malfunction. Kit includes adapters for GM, Ford, Chrysler, Jeep and Eagle multi-port fuel injection systems with fuel rail test ports.

### Features:

- Large, easy-to-read gauge with 0 to 100 psi (0 to 700 kPa) scale
- Manual pressure release
- High-pressure braided hose with solid brass fittings

### Kit includes:

- 2¾ in. (70 mm) diameter Bourdon tube gauge (readings indicated in psi and kPa) with manual pressure release, 15 in. (380 mm) braided hose and GM/Chrysler adapter
- Ford adapter
- 6 ft. (1.8 m) fuel drain hose
- User manual (English/Spanish/French)

### Specifications:

<b>Max. pressure:</b>	1,000 psi (6890 kPa) (68.9 bar)
<b>Packaged weight:</b>	1.0 lb. (0.45 kg)
<b>Packaged size (wide x tall x deep):</b>	5 x 12 x 1¾ in. (125 x 305 x 35 mm)

## MV5511 Vacuum/Pressure Gauge and Fuel Pump Tester

Designed for performing pressure and vacuum tests on mechanical and electrical fuel pumps (up to 10 psi), this valuable instrument can also diagnose a wide variety of engine problems including improper valve timing, burned, chipped or stuck valves, sticking choke, leaking manifold, improper fuel mixture and more. The detailed gauge face illustrates normal and abnormal ranges of vacuum, and provides input for diagnosing common malfunctions.

### Features:

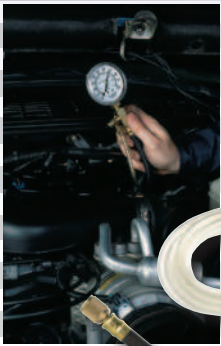
- Large 3½ in. (90 mm) diameter gauge indicates both pressure and vacuum
- Gauge face illustrates normal and abnormal operating ranges, and provides input for diagnosing common malfunctions
- Includes instructions for testing and diagnosing fourteen (14) critical engine and fuel pump functions

### Kit includes:

- 3½ in. (90 mm) compound gauge (readings indicated in psi, kg/cm<sup>2</sup>, in. mercury (Hg), and cm mercury (Hg)) with barb fitting
- 24 in. (610 mm) oil-resistant hose
- Universal fuel line adapter
- Tapered adapter
- Tee adapter
- User manual (English/Spanish/French)

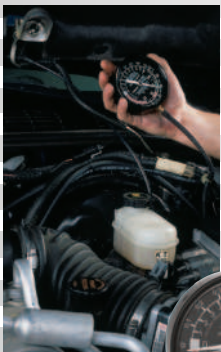
### Specifications:

<b>Max. pressure:</b>	10 psi (0.7 kg/cm <sup>2</sup> )
<b>Max. vacuum:</b>	28 in. Hg (70 cm Hg)
<b>Packaged weight:</b>	12.3 oz. (350 g)
<b>Packaged size (wide x tall x deep):</b>	5 x 12 x 1¾ in. (125 x 305 x 35 mm)



MV5515 \*

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MV5511



# Mityvac® Cooling System Service Equipment

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Mityvac offers the most advanced cooling system test and refill equipment available. In addition to offering a professional pressure tester and AirEvac kit, Mityvac is the first to combine pressure, temperature, and vacuum testing and automatic refill into one kit. Only **MV4525** is capable of performing all these tests and functions, replacing up to three different competitive kits. But even more important, it is the first tester designed for testing a vehicle with the engine on or off. Testing with the engine on provides real-time feedback of pressure, vacuum and temperature while the engine warms up through its normal operating cycle, providing the most accurate assessment on how the cooling system is functioning. Using this system, a technician can quickly and easily diagnose cooling system leaks, a blown head gasket, a cracked or damaged head or block, or a faulty thermostat, fan switch/relay, or coolant sensor.

To compliment our testers, Mityvac offers 29 custom designed adapters to fit the radiators, coolant bottles, and caps of virtually every make and model of US, Asian, and European manufactured car and light truck. All adapters are sold separately, and are also available in five cost saving kits.

## MV4525\* Cooling System Test & Refill Kit

The MV4525 is the most innovative, advanced automotive cooling system test kit ever designed. It is the first and only tester developed specifically to run complete cooling system diagnostics with the engine running and at normal operating temperature and pressure. New patent pending technology combines testing and monitoring of pressure, vacuum and temperature simultaneously, to provide real-time data far beyond the capabilities of a simple pressure tester. This combination of features ensures the most extensive, accurate cooling system diagnosis possible.

### Applications:

- Pressure and/or vacuum test for leaks in automotive cooling systems
- Rapidly refill cooling systems without trapping air
- Check proper function of thermostat, cooling sensor, and cooling fan(s)
- Diagnose blown head gasket(s), cracked block, and cylinder head damage
- Cooling system cap pressure testing (additional adapters required)

### Features:

- Patent pending coupler saves the expense of up to three separate kits by combining pressure, vacuum and temperature testing capabilities
- Tests cooling system with engine on or off to pinpoint leaks or diagnose blown head gaskets, cracked block, or damaged head(s).
- Refills cooling system in minutes without trapping air that can cause overheating
- Components connect using self-locking quick-disconnects for easy and time saving assembly and breakdown.
- Safety valves prevent discharge of pressure and/or hot fluid in case of accidental disconnect
- Built-in valve allows the rapid, safe release of pressure and fluid without waiting for the system to cool
- Includes four (4) adapters for connecting to the most common radiator and coolant bottle necks found on Domestic, Asian, and European automobiles.

- Additional adapters available
- Molded adapter design provides a secure grip during installation or removal

### Kit includes:

- Pressure pump
- 2.5 in. (64 mm) diameter diaphragm style compound gauge with hanging hook
- Venturi vacuum
- Valve coupler
- Temperature probe
- (2x) 30 in. (760 mm) extension hose
- 5 ft. (1.5 m) refill hose
- 5 ft. (1.5 m) drain hose
- Cap wrench
- Hose clip
- **MVA100** cooling system ad. (US/foreign cars)
- **MVA101** cooling system adapt. (Asian cars)
- **MVA102** cooling system adapt. (Asian cars)
- **MVA103** cooling system ad. (US/foreign cars)
- Custom molded case
- User manual (English, French, Spanish)
- Adapter selection guide (EN/FR/ES)



MV4525

See pages →45 and →46 for a complete list of available adapters and their applications as well as convenient, cost saving adapter kits. Visit [mityvac.com](http://mityvac.com) to view a complete updated make/model/year application guide.

### Specifications:

<b>Max. pressure:</b>	30 psi (200 kPa)
<b>Max. temperature:</b>	400°F (200°C)
<b>Vacuum @ 60 psi (4.1 bar)</b>	15 in. Hg (51 kPa)
<b>@ 90 psi (6.2 bar)</b>	24 in. Hg (81 kPa)
<b>@ 120 psi (8.3 bar):</b>	25 in. Hg (85 kPa)
<b>Inlet thread size:</b>	¼ in. NPT
<b>Packaged weight:</b>	10.3 lbs. (4.7 kg)
<b>Size (tall x wide x deep):</b>	20.6 x 18.3 x 4.3 in. (525 x 465 x 110 mm)

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# Cooling System Service Equipment



MV4535 \*

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## MV4535\* Cooling System AirEvac Kit

The Mityvac MV4535 Cooling System AirEvac Kit refills automotive cooling systems in minutes without trapping air that can cause overheating. The kit combines a universal adapter with a compressed-air operated venturi vacuum to quickly eliminate trapped air by purging and refilling the cooling system under vacuum. Its new innovative design allows improved access into tight areas, and the patent pending valve coupler allows the operator to test the cooling system for leaks prior to refilling.

### Features:

- Uses shop air to quickly evacuate an automobile's cooling system for vacuum leak testing
- Refills cooling system in minutes without trapping air that can cause overheating
- Universal adapter forms an airtight seal with all radiator and coolant bottle necks. No custom adapters are required.
- Components connect using self-locking quick disconnects for easy and time saving assembly and breakdown.
- Packaged in custom-molded case

### Kit includes:

- 2.5 in. (64 mm) diameter diaphragm style vacuum gauge with hanging hook
- Venturi vacuum
- Valve coupler
- Universal cooling system adapter
- (2x) 30 in. (760 mm) extension hose
- 5 ft. (1.5 m) refill hose
- Custom molded case
- User manual (English, French, Spanish)

### Specifications:

<b>Vacuum @ 60 psi (4.1 bar)</b>	15 in. Hg (51 kPa)
<b>@ 90 psi (6.2 bar)</b>	24 in. Hg (81 kPa)
<b>@ 120 psi (8.3 bar):</b>	25 in. Hg (85 kPa)
<b>Inlet thread size:</b>	¼ in. NPT
<b>Packaged weight:</b>	5.0 lbs. (2.3 kg)
<b>Size (tall x wide x deep):</b>	17.7 x 12.8 x 4.2 in. (450 x 325 x 107 mm)



## MV7270 Spray Washer and Cooling System Flusher

Mityvac cooling system flusher and washer works simply, quickly and efficiently. The MV7270 is a powerful, compact spray tool that combine water with compressed air to effectively flush vehicle cooling systems. With an included spray washer nozzle, this easy-to-use tool has a water control valve and an air control valve that operate independently for maximum control.

### Features:

- Stepped-up flushing nozzle (MVA430) fits hoses from ¾-inch to 2-inch in diameter
- Variable-control water valve enables adjustment of water from off to full flow
- Comfortable, lever-action air throttle with lock-on latch allows air flow adjustment for increased efficiency
- ¾-inch swivel inlet for easy connection to standard garden hose
- ¼-inch air inlet with included air nipple connects quickly to shop air
- Bayonet quick-connection nozzle
- High-impact, corrosion-resistant construction for long service life
- MV7270 includes additional washer nozzle (MVA720) for multi-surface cleaning

### Benefits:

- Easy to use
- Provides independent air and water controls for optimal cleaning
- Makes quick work of cooling system flushing
- No adapters required
- MV7270 controlled pressure reduces risk of water splashing

### Specifications:

<b>Max. pressure:</b>	85–150 psi (6–10 bar)
<b>Swivel inlet size:</b>	¾ in.
<b>Air inlet size:</b>	¼ in.

## MV4570 Cooling System Flusher

Has the same features as the MV7270, but comes with flushing nozzle (MVA430) only.



MV7270



MV4570

# Mityvac® Cooling System Service Equipment

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## MV4530\* Cooling System Pressure Test Kit

The Mityvac MV4530 Cooling System Pressure Test Kit quickly reveals external cooling system leaks, and detects internal leaks caused by a blown head gasket, or cracked block or head. The kit comes complete with a high-quality pressure pump and four (4) adapters for connecting to the cooling systems of most US and Asian manufactured cars and light trucks.

### Applications:

- Pressure testing for leaks in automotive cooling systems
- Cooling system cap pressure testing (additional adapters required)

### Features:

- Hand operated pump builds pressure quickly to locate leaks in automotive cooling systems
- Includes four (4) adapters for connecting to the most common radiator and coolant bottle necks found on US Domestic, Asian automobiles
- Components connect using self-locking quick disconnects for easy and time saving assembly and breakdown
- Convenient push-button valve safely relieves pressure when testing is complete
- Additional adapters available for most all makes and models of cars and light trucks
- Adapters also available for testing cooling system caps
- Packaged in custom-molded case with space for two (2) additional adapters

### Kit includes:

- Hand pressure pump with 2 ft. (610 mm) long hose and push-button pressure relief valve
- **MVA100** cooling system adapter (US and foreign cars)
- **MVA101** cooling system adapter (Asian cars)
- **MVA102** cooling system adapter (Asian cars)
- **MVA103** cooling system adapter (US and foreign cars)
- Cap wrench
- Custom molded case
- User Manual (English, French, Spanish)
- Adapter selection guide (English, French, Spanish)

### Specifications:

<b>Max. pressure:</b>	30 psi (2 bar)
<b>Packaged weight:</b>	6.0 lbs. (2.7 kg)
<b>Packaged size:</b>	17.9 x 13.2 x 4.8 in. (455 x 335 x 122 mm)



MV4530 \*

See → pages 45 and 46 for a complete list of available adapters and their applications as well as convenient, cost saving adapter kits. Visit [mityvac.com](http://mityvac.com) to view a complete updated make/model/year application guide.

## MV4529\* Cooling System Pressure Tester

The Mityvac MV4529 Cooling System Pressure Tester quickly reveals external cooling system leaks, and detects internal leaks caused by a blown head gasket, or cracked block or head. The kit comes complete with a high-quality pressure pump and one (1) adapter for connecting to bayonet style radiator and coolant bottle necks found on many US and foreign manufactured automobiles.

### Applications:

- Pressure testing for leaks in automotive cooling systems
- Cooling system cap pressure testing (additional adapters required)

### Features:

- Hand operated pump builds pressure quickly to locate leaks in automotive cooling systems
- Includes adapter for connecting to bayonet style radiator and coolant bottle necks found on many US and foreign manufactured automobiles
- Connects directly to Stant-style adapters. No conversion adapter is required.
- Convenient push-button valve safely relieves pressure when testing is complete
- Additional adapters available for most all makes and models of cars and light trucks
- Adapters also available for testing cooling system caps
- Packaged in custom-molded case

### Kit includes:

- Hand pressure pump with 2 ft. (610 mm) long hose and push-button pressure relief valve
- **MVA100** cooling system adapter (US and foreign cars)
- Custom molded case
- User's Manual (English, Spanish, French)

### Specifications:

<b>Packaged weight:</b>	3.0 lbs. (1.4 kg)
<b>Packaged size:</b>	17.7 x 14.6 x 20.1 in. (450 x 370 x 510 mm)



MV4529 \*










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# Cooling System Service Equipment

To complement our testers, Mityvac offers a large selection of adapters to fit the radiators and coolant bottles of most makes and models of US, Asian, and European manufactured cars and light trucks. In addition, for each cooling system adapter, we offer an equivalent cap adapter for testing the function of the cooling system cap. The chart below provides a list of available adapters and a brief description of their applications. The most popular adapters are available in our test kits **MV4525**, **MV4530** and **MV4529**, but each is available for separate purchase or in special adapter kits shown on page →49.




























## Radiators and Coolant Bottles with bayonet style neck


Pressure cap	System adapter #	Cap adapter #	Applications
	<b>MVA100 *</b> 	<b>MVA200</b> 	Original large bayonet style used on most early model autos. Still used on many applications through current year.
	<b>MVA101 *</b> 	<b>MVA201 *</b> 	Small bayonet applications with 16 mm deep neck. Numerous applications including many Asian autos.
	<b>MVA102</b> 	<b>MVA202 *</b> 	Small bayonet applications with 9 mm deep neck. Numerous applications including many Asian autos.

## Radiators and Coolant Bottles with internal threads on the neck

Pressure cap	System adapter #	Cap adapter #	Applications
	<b>MVA106</b> 	<b>MVA206</b> 	Volkswagen models 1990-1998 with internal thread on coolant bottle.
	<b>MVA108 *</b> 	<b>MVA208</b> 	Volkswagen and Audi models 1998 and later with internal thread on coolant bottle.
	<b>MVA111</b> 	<b>MVA211</b> 	Toyota MR2 Spyder and Celica 2000 and later.

## Radiators and Coolant Bottles with external threads on the neck

Pressure cap	System adapter #	Cap adapter #	Applications
	<b>MVA103 *</b> 	<b>MVA203 *</b> 	Numerous domestic applications especially GM beginning in early 1990s through current year. Also some Mercedes, Jaguar, and Ford.
	<b>MVA104</b> 	<b>MVA204</b> 	Volkswagen and Audi models 1975 through 1993 with external thread on coolant bottle
	<b>MVA105 *</b> 	<b>MVA205</b> 	Peugeot 206/406, Volvo, Land Rover Freelander, Alfa Romeo 164, Renault, Mini, Jeep, Sterling, Saab with external thread on coolant bottle
	<b>MVA107 *</b> 	<b>MVA207</b> 	Porsche, Mercury, Saturn, Saab, Jaguar, Range Rover, Pontiac, Daewoo, Ford
	<b>MVA109</b> 	<b>MVA209</b> 	Mercedes E-Class 1996 and later, Mercedes with external thread on coolant bottle (except M-Class), Chrysler Crossfire 2004 and later
	<b>MVA110</b> 	<b>MVA210</b> 	Ford Focus and Escape, Jaguar XK8 and XJ8, Mazda Tribute
	<b>MVA112</b> 	<b>MVA207</b> 	BMW through 1987, Merkur Scorpio 1987 through 1989
	<b>MVA113 *</b> 	<b>MVA213</b> 	BMW 1998 through 2002 with external thread on coolant bottle, Land Rover Range Rover 1995 through 1997
	<b>MVA114 *</b> 	<b>MVA114</b> 	Mazda 3

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# Mityvac®

## Cooling System Service Equipment

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All of our MVA100 series cooling system adapters and MVA200 series cooling system cap adapters listed on page →41 are available for separate purchase or in conveniently packaged kits. Kits MVA4610 thru MVA4650 listed below include a custom-molded case with space for up to eight adapters.

### Cooling System Test Adapter Kits

The most popular of our MVA100 series cooling system test adapters are included with test kits MV4525, MV4529 and MV4530. Adapter kits MVA4620 and MVA4640 contain most of the others.

	MV4525	MV4529	MV4530	MVA4620 *	MVA4640 *
MVA100 *	X	X	X		
MVA101 *	X		X		
MVA102	X		X		
MVA103 *	X		X		
MVA104				X	
MVA105 *				X	
MVA106				X	
MVA107 *					X
MVA108 *				X	
MVA109				X	
MVA110					X
MVA111					X
MVA113 *				X	
MVA114 *					X

### Cooling System Cap Test Adapter Kits

All of our MVA200 series cooling system cap test adapters are available for separate purchase or in the convenient kits listed below.

	MVA4610 *	MVA4630	MVA4650
MVA200	X		
MVA201 *	X		
MVA202 *	X		
MVA203 *	X		
MVA204		X	
MVA205		X	
MVA206		X	
MVA207			X
MVA208		X	
MVA209		X	
MVA210			X
MVA211			X
MVA213		X	
MVA214			X

### MVA360\* Cooling System Test Hose

Allows Mityvac hand pressure pumps to be used with any of the **MVA100** and **MVA200** series cooling system test adapters to test automotive cooling systems and cooling system caps for leaks that can lead to overheating and severe engine damage.

#### Specifications:

**Packaged weight:** 5.2 oz. (215 g)



**MVA4620**  
European CS Test Adapter Kit



**MVA4640**  
Extended CS Test Adapter Kit



**MVA4610**  
US / Asian CS Cap Adapter Kit



**MVA4630**  
European CS Cap Adapter Kit



**MVA4650**  
Extended CS Cap Adapter Kit



**MVA360**

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

# Cooling System Service Equipment



MV4560 \*

## MV4560\* Cooling System Pressure Test Kit

The Mityvac MV4560 Cooling System Pressure Test Kit makes automotive cooling system testing simple, efficient, and economical. It combines our unique hand pressure pump with four cooling system test adapters and two dual-function cap test adapters to quickly reveal external cooling system leaks and detect internal leaks and defective caps.

### Features:

- Economical, accurate and simple method to find common causes of overheating
- Pinpoints external leaks caused by loose clamps or leaky hoses, connectors, water pumps or radiators
- Diagnoses internal leaks caused by a blown head gasket or damaged block or head
- Test radiator and coolant bottle caps to ensure they are maintaining the correct pressure
- Contains adapters to test the cooling system and caps of most US and Asian manufactured cars and light trucks, as well as many European vehicles

### Kit includes:

- Mityvac **Selectline** hand pressure pump with 2 in. (50 mm) diameter gauge
- Small bayonet test adapter, deep
- Small bayonet test adapter, shallow
- Large bayonet test adapter
- GM/Ford test adapter
- Small bayonet cap test adapter
- Large Bayonet/GM/Ford cap test adapter
- Connection hose
- Compression nut
- User manual

### Specifications:

<b>Packaged weight:</b>	2.5 lbs. (1.1 kg)
<b>Packaged size (wide x deep x tall):</b>	13.3 x 12 x 2.8 in. (335 x 305 x 70 mm)

### Vehicle Applications:

Make	Model	Make	Model	Make	Model
Acura	All	Hummer	All	Mitsubishi	All
Buick	All	Hyundai	All	Nissan	All
Cadillac	All except Catera	Infiniti	All	Oldsmobile	All
Chevrolet	All except Aveo	Isuzu	All	Plymouth	All
Chrysler	All	Jaguar	2000-2008 S-Type	Pontiac	All except Le Mans
Dodge	All	Jeep	All with bayonet cap	Saturn	All except LS, LW, Vue
Eagle	All	Kia	All	Scion	All except 2008-2009 xB
Ford	All except Contour, Focus, Mondeo	Land Rover	2003-2006 Freelander, 2005-2009 LR3	Subaru	All
Geo	All	Lexus	All except GS 460, IS F, LS 460, LS 600H	Suzuki	All through 2009 except Verona
GMC	All	Mazda	All except Mazda 3	Toyota	All except 2000-2005 Celica, 200-2005 MR2 Spyder, 2006-2009 RAV 4
Honda	All	Mercury	All except 1995-1997 Mystique		

## MV4510 Motorcycle Cooling System Test Kit

The Mityvac MV4510 Motorcycle Cooling System Pressure Test Kit is specially designed for testing motorcycles and other recreational, sports, and utility vehicles with liquid cooled engines. It makes cooling system testing simple, efficient, and economical, and can quickly pinpoint the cause of cooling system related problems including external and internal leaks or defective caps.

### Features:

- Economical, accurate and simple method to find common causes of overheating
- Pinpoints external leaks caused by loose clamps or leaky hoses, connectors, water pumps or radiators
- Diagnoses internal leaks caused by a blown head gasket or damaged block or head
- Test radiator and coolant bottle caps to ensure they are maintaining the correct pressure
- Specially designed low-profile test adapter fits into areas with tight or limited access, requiring less component disassembly

### Kit includes:

- Mityvac **Selectline** hand pressure pump with 2 in. (50 mm) diameter gauge
- Low-profile bayonet test adapter
- Bayonet cap test adapter
- Connection hose
- Compression nut
- User manual

### Specifications:

<b>Packaged weight:</b>	1.6 lbs. (0.7 kgs)
<b>Packaged size (wide x deep x tall):</b>	9.6 x 12.5 x 2.4 in. (245 x 320 x 60 mm)



MV4510



# Mityvac® Cooling System Service Equipment

www.mityvac.com

## MV4508\* Universal Cooling System Adapter

The MV4508 Universal Cooling System Adapter is simple and quick to install in virtually any radiator or coolant reservoir neck. The rubber, step-and-cone design features a self-locking, nested cam and internal restrictor that combine to provide a secure, airtight seal with only a single rotation of the expansion knob. The unique adapter is fully self-contained – no component change is required – so there are no extra parts to maintain. Also, its compact size allows for convenient storage in a toolbox. The MV4508 is an economical alternative to application-specific adapters. It fits pressure pumps with a common radiator neck-style connection and replaces more than 20 individual adapters used to pressure test the cooling systems on cars, vans and light- and heavy-duty trucks.

### Features:

- Replaces more than 20 individual cooling system pressure test adapters for cars, vans, light- and heavy-duty trucks
- Patent-pending cam mechanism ensures an air-tight seal with radiator and coolant bottle necks
- Compact, one-piece design fits conveniently in tool box.
- Compatible with Stant-style cooling system pressure pumps

### Kit includes:

- Universal Radiator Test Adapter (1 piece)

### Specifications:

<b>Packaged weight:</b>	0.60 lbs. (0.27 kg)
<b>Packaged size (wide x deep x tall):</b>	2.3 x 2.4 x 6.7 in. (65 x 60 x 170 mm)

### Application of the Universal Cooling System Adapter

The Mityvac Universal Cooling System Adapter utilizes a multi-step, expandable rubber bushing design to adapt to the radiator and expansion tank filler necks on most domestic and import automobiles. Each of the five steps on the bushing has a unique diameter ranging from 3/4" (20 mm) up to 1 1/2" (40 mm). The diameters are designed slightly smaller than the most common filler neck sizes so that the adapter easily installs into the filler neck until the largest possible diameter fits with only slight interference (→Fig. 1). The tension knob is then rotated causing the bushing to expand and securing the adapter in the neck (→Fig. 2). Once properly installed, the adapter forms an airtight seal with the radiator or expansion tank, and can be utilized for vacuum, pressure or temperature related diagnostics as well as evacuating and refilling coolants while eliminating air locks.

The Mityvac Universal Cooling System Adapter will not fit every automotive radiator and expansion tank available. However, it can be used in conjunction with many specialized adapters. If the sole intended use of the universal adapter is for a specific or unique application, please verify the size and depth of the application to ensure proper fit.

## MV4509\* Universal Cooling System Adapter

For use with quick-change coupler found exclusively on Mityvac pressure pumps.

### Features:

- Replaces more than 20 individual cooling system pressure test adapters for cars, vans, light- and heavy-duty trucks
- Patent-pending cam mechanism ensures an air-tight seal with radiator and coolant bottle necks
- Compact, one-piece design fits conveniently in tool box. No component swapping required and no loose parts to manage

### Kit includes:

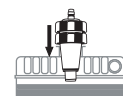

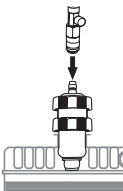
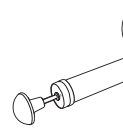
- Universal Cooling System Adapter (1 piece)

### Specifications:

<b>Packaged weight:</b>	0.50 lbs. (0.23 kg)
<b>Packaged size (wide x deep x tall):</b>	5.375 x 2.5 x 2.5 in. (137 x 63.5 x 63.5 mm)



MV4508\*

<p><b>1. Insert adapter</b> Thoroughly wipe inner diameter of filler neck or expansion bottle with a clean shop rag to remove any coolant residue.</p> 	<p><b>2. Expand adapter</b> While holding the bottom knob, rotate the top knob of the adapter clockwise until rubber fully engages the interior wall of the filler neck. Pull up on the adapter with reasonable force to ensure it holds firmly in place.</p> 
<p><b>3. Attach pump</b></p> 	<p><b>4. Pressurize system</b> Operate pump to achieve system pressure. Observe gauge and inspect for leaks.</p> 



MV4509 \*

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

# Cooling System Service Equipment



## MV4534\* Cooling System Pressure Tester

Mityvac's MV4534 is a professional-grade, automotive cooling system test kit. It quickly pinpoints external leaks, the most common cause of engine overheating, and aids in diagnosing internal leaks caused by a blown head gasket or cracked block or head.

The kit combines a high-quality pressure pump with Mityvac's universal cooling system adapter for quick, efficient and accurate testing, without the need for costly application-specific adapters. The pump features a large-capacity stroke to quickly reach peak pressure and includes a 2½ in. diameter gauge with easy-to-read, color-coded test level indicators.

### Applications:

- Pressure testing for leaks in automotive cooling systems

### Features:

- High-volume hand-operated pump builds pressure quickly to locate leaks
- Universal cooling system adapter replaces more than 20 individual adapters for cars, vans, light- and heavy-duty trucks
- Patent-pending adapter cam mechanism helps to ensure an air-tight seal with radiator and coolant bottle necks
- Compact one-piece adapter design fits conveniently in tool box
- Large, easy-to-read 2½ in. (63.5 mm) diameter gauge includes clearly indicated pressure test zones
- Convenient push-button valve safely relieves pressure when testing is complete
- Packaged in durable custom-molded case

### Kit includes:

- Hand pressure pump with 2½ in. (63.5 mm) diameter gauge and push-button pressure release valve
- Universal radiator test adapter
- Custom molded case
- User manual (English, Spanish, French)

### Specifications:

<b>Packaged weight:</b>	5.0 lbs. (2.3 kg)
<b>Packaged size</b>	15.1 x 3.5 x 11.8 in.
<b>(wide x deep x tall):</b>	(385 x 90 x 300 mm)



MV4534 \*

## MV4533\* Cooling System AirEvac Kit

The MV4533 Cooling System AirEvac Kit refills automotive cooling systems in seconds, while eliminating the risk of trapped air. The kit combines Mityvac's universal cooling system adapter with a powerful, compressed-air-operated venturi vacuum to quickly install and evacuate air from an empty cooling system. Once purged of air, the system can be monitored for leaks before using the vacuum to draw in new coolant. The entire purge-and-refill process is simple, clean and reliable.

### Features:

- High-volume hand-operated pump builds pressure quickly to locate leaks
- Universal cooling system adapter replaces more than 20 individual adapters for cars, vans, light- and heavy-duty trucks
- Patent-pending adapter cam mechanism ensures an air-tight seal with radiator and coolant bottle necks
- Compact one-piece adapter design fits conveniently in tool box
- Large, easy-to-read 2½ in. (63.5 mm) diameter gauge includes clearly indicated pressure test zones
- Convenient push-button valve safely relieves pressure when testing is complete
- Packaged in durable custom-molded case

### Kit includes:

- Universal radiator test adapter
- Custom-molded case
- User manual (English, Spanish, French)

### Specifications:

<b>Packaged weight:</b>	5.0 lbs. (2.3 kg)
<b>Packaged size</b>	15.1 x 3.5 x 11.8 in.
<b>(wide x deep x tall):</b>	(385 x 90 x 300 mm)



MV4533 \*

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

# Specialty Tools and Equipment **mityvac**<sup>®</sup>

www.mityvac.com

Mityvac offers a selection of specialty tools and equipment designed for those unique applications where just the right product can greatly simplify an application or job

## **MV5567 Fuel Injection Cleaner**

Designed for use in professional service shops to provide quick, convenient and reliable fuel injector and air induction cleaning\*. The Mityvac Fuel Injection Cleaner utilizes compressed air to make it highly effective at removing and preventing deposits on fuel injectors as well as loosening and dissolving carbon build-up in the air induction system, including the throttle plate and intake manifolds and valves. Cleaning solutions specially formulated for fuel injector or induction system cleaning are required and must be purchased separately.

### **Features:**

- Quickly and cleanly removes and prevents fuel injector deposits, and loosens and dissolves carbon on intake manifold and valves.
- Enhances engine performance, improves fuel economy, reduces maintenance and improves emissions.
- Uses standard shop-air to deliver cleaning solution directly into the fuel stream or spray it into the air induction system (**MVA550** required for induction system cleaning)
- Functions on most domestic and import cars with high or low pressure fuel systems
- High quality pressure gauge and adjustable regulator combination ensures proper delivery of cleaning solution.
- Durable steel and die cast aluminum construction
- Includes 16 adapters in custom-molded case for connecting to most fuel injected vehicles

### **Kit includes:**

- Fuel Injection Cleaner Assembly with pressure regulator, gauge, valves, fittings, and 32 oz (950 ml) canister
- 4 ft. (1.2 m) long connection hose
- 16 fuel injection system connectors in custom-molded case (**MVA565**)
- Wall mount bracket
- User manual



**MV5567**

### **Specifications:**

<b>Packaged weight:</b>	10.9 lbs. (4.9 kg)
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\* Induction spray cleaning is a regularly required service on gasoline direct injection engine



# Specialty Tools and Equipment



MV5565

## MV5565 Fuel Injection Cleaner

Designed for use in professional service shops to provide quick, convenient and reliable fuel injector and air induction cleaning. The Mityvac Fuel Injection Cleaner utilizes compressed air to make it highly effective at removing and preventing deposits on fuel injectors as well as loosening and dissolving carbon build-up in the air induction system, including the throttle plate and intake manifolds and valves. Model MV5565 includes only the Cleaner (MV5570) and connection hose (824147). Adapters for connecting to the fuel system or for air induction cleaning must be purchased separately (see page →49). Cleaning solutions specially formulated for fuel injector or induction system cleaning are required and must also be purchased separately.

### Features:

- Quickly and cleanly removes and prevents fuel injector deposits, and loosens and dissolves carbon on intake manifold and valves.
- Enhances engine performance, improves fuel economy, reduces maintenance and improves emissions.
- Uses standard shop-air to deliver cleaning solution directly into the fuel stream or spray it into the air induction system (MVA550 required for induction system cleaning)
- Functions on most domestic and import cars with high or low pressure fuel systems
- High quality pressure gauge and adjustable regulator combination ensures proper delivery of cleaning solution.
- Durable steel and die cast aluminum construction

### Kit includes:

- Fuel Injection Cleaner Assembly with pressure regulator, gauge, valves, fittings, and 32 oz (950 ml) canister
- 4 ft. (1.2 m) long connection hose
- Wall mount bracket
- User manual

### Specifications:

<b>Packaged weight:</b>	5.1 lbs. (2.3 kg)
<b>Packaged size</b>	14.3 x 8.8 x 5.6 in.
<b>(wide x deep x tall):</b>	(325 x 225 x 140 mm)



MV5570 \*

## MV5570\* Fuel Injection Cleaner

Designed for use in professional service shops to provide quick, convenient and reliable fuel injector and air induction cleaning. The Mityvac Fuel Injection Cleaner utilizes compressed air to make it highly effective at removing and preventing deposits on fuel injectors as well as loosening and dissolving carbon build-up in the air induction system, including the throttle plate and intake manifolds and valves. Model MV5570 includes only the canister cleaner, and is fully compatible with connection hoses and adapters included with the MV5545 FST Pro (see page →27). It is an ideal and economic upgrade to this system. Cleaning solutions specially formulated for fuel injector or induction system cleaning are required and must also be purchased separately.

### Features:

- Quickly and cleanly removes and prevents fuel injector deposits, and loosens and dissolves carbon on intake manifold and valves.
- Enhances engine performance, improves fuel economy, reduces maintenance and improves emissions.
- Uses standard shop-air to deliver cleaning solution directly into the fuel stream or spray it into the air induction system (MVA550 required for induction system cleaning).
- Functions on most domestic and import cars with high or low pressure fuel systems.
- High quality pressure gauge and adjustable regulator combination ensures proper delivery of cleaning solution.
- Durable steel and die cast aluminum construction.

### Kit includes:

- Fuel Injection Cleaner Assembly with pressure regulator, gauge, valves, fittings, and 32 oz (950 ml) canister
- Wall mount bracket
- User manual

### Specifications:

<b>Packaged weight:</b>	4.6 lbs. (2.1 kg)
<b>Packaged size</b>	14.3 x 8.8 x 5.6 in.
<b>(wide x deep x tall):</b>	(325 x 225 x 140 mm)

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

# Mityvac®

## Specialty Tools and Equipment

www.mityvac.com

### MVA565 Fuel Injection Cleaner Adapter Kit

Contains sixteen (16) adapters for connecting the Mityvac Fuel Injection Cleaner into the fuel delivery system of most American, Asian and European manufactured cars and light trucks. Facilitates the efficient delivery of specially formulated fuel injector cleaning solutions for removing and preventing deposits on fuel injectors.

#### Features:

- Snap-in, push-button release style connection to Cleaner hose
- Durable nickel-plated brass components
- High-quality leak-proof design

#### Kit includes:

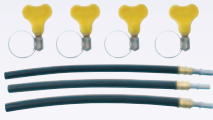













- 16 Fuel injection system connectors (see →chart below)
- Custom molded case



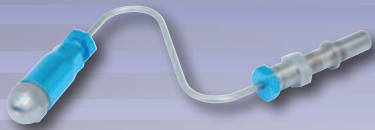
MVA565

#### Specifications:

<b>Packaged weight:</b>	4.7 lbs. (2.1 kg)
<b>Packaged size (wide x deep x tall):</b>	12.8 x 17.7 x 4.2 in. (325 x 450 x 105 mm)

Model Number	Description	Applications
MVA505	 ¼ in. flex hose adapter 5/16 in. flex hose adapter 3/8 in. flex hose adapter	Vehicles with: ¼ in. rubber to steel hose connection 5/16 in. rubber to steel hose connection 3/8 in. rubber to steel hose connection
MVA559	 M8 banjo adapter	Toyota
MVA560	 M10 banjo adapter	Toyota
MVA561	 M12 banjo adapter	Toyota, Lexus, Geo, Honda, Acura, Hyundai, Mazda, Daihatsu, Chrysler imports
MVA562	 M14 banjo adapter	Audi, Volkswagen
MVA555	 M16 x 1.5 adapter	GM Vortec
MVA556	 M14 x 1.5 adapter	GM Vortec
MVA557	 3/8 in. flare nut adapter	Carbureted and early fuel injected systems
MVA558	 5/16 in. flare nut adapter	Carbureted and early fuel injected systems
MVA524	 3/8 in. spring lock adapter	Ford fuel injected systems
MVA552	 ½ in. spring lock adapter	Ford fuel injected systems
MVA554	 5/16 in. quick-change adapter	GM, Chrysler, Jeep/Eagle, Toyota
MVA507	 RA fuel rail adapter	GM, Chrysler
MVA508	 RA fuel rail adapter	Ford

# Specialty Tools and Equipment



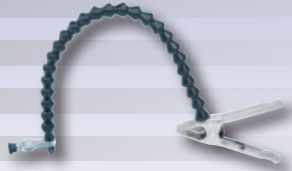
MVA550

## MVA550 Decarb Nozzle

Extends the applications of the Mityvac Fuel Injection Cleaner to include air induction cleaning. The MVA550 connects to the cleaner and sprays a fine mist of decarbonizing solution into the air induction system or onto a targeted area such as the throttle plate.

### Specifications:

**Packaged weight:** 8.5 oz. (240 g)



MVA551

## MVA551 Flexible Nozzle Support

This flexible support can be conveniently clamped in the engine bay and used to support the MVA550 Decarb Nozzle in any position, so as to target its spray of mist onto an area of heavy carbon build-up such as the throttle plate.

### Specifications:

**Packaged weight:** 8.5 oz. (240 g)



824147

## 824147 Connection Hose

Connects the Mityvac Fuel Injection Cleaner to any of the fuel system connection adapters or the MVA550 Decarb Nozzle shown above. Both ends have  $\frac{3}{8}$  in. SAE J2044 quick-connect style female couplers with push-button release.

### Specifications:

**Packaged weight:** 8.5 oz. (240 g)



MV7241

## MV7241 Fluid Transfer Pump

The Fluid Transfer Pump provides a clean, quick, no-hassle method of transferring or evacuating virtually any non-volatile fluid including engine oil, coolants, transmission fluid, brake fluid or power steering fluid. Use it to drain engine oil or transmission fluid directly through the dipstick tube. The pump is small and lightweight, so it fits easily in a toolbox or the trunk of a car, making it convenient to store where you use it the most. And it includes accessories required for fluid transfer/evacuation or inflation. Use it on cars, boats, motorcycles, ATVs, lawn & garden equipment, etc. It works great around the house too! Use it to inflate toys, water or air mattresses, sports balls or bicycle tires.

### Features:

- Durable polyethylene construction—won't rust or corrode
- Hand-operated, lightweight and portable
- Siphons, evacuates and inflates

### Kit includes:

- Hand pump with intake and discharge ports
- 2 Intake/discharge hoses ( $\frac{3}{8}$  in. ID x 50 in. long)
- 2 Intake/discharge hose connectors
- Inline reducer
- Air-pressure hose
- Dipstick hose
- User manual

### Specifications:

**Packaged weight:** 5.3 lbs. (2.4 kg)

**Packaged size (wide x deep x tall):** 9.45 x 6.5 x 10.63 in. (240 x 165 x 270 mm)

**Hose diameter:** OD: 0.504 - 0.507 in. (12.8 - 12.88 mm)  
ID: 0.346 - 0.350 in. (8.8 - 8.9 mm)

**Hose length:** 50 in. (127 cm)

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



# Specialty Tools and Equipment **mityvac**®

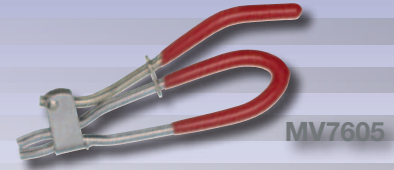
www.mityvac.com

## MV7605 Hose Clamp

This tool works great for clamping flexible coolant, fuel, vacuum and brake lines or hoses up to ½" (13 mm) in diameter. It has a unique lever action design with adjustable lock for maintaining clamp force at virtually any diameter. The clamp is constructed of chrome-plated steel for years of use and has a molded comfort grip.

### Specifications:

<b>Weight:</b>	9.5 oz. (270 g)
<b>Size:</b>	1½ x 6½ x ¼ in. (40 x 165 x 6.4 mm)



## MVA7605\*, MVA7607\* and MVA7609\* Locking Hose Clamps

Designed for accessing and pinching off flexible hoses during automotive diagnostics or repairs, Mityvac locking hose clamps are ideal when servicing cooling, braking, power steering, transmission and vacuum systems.

Two sizes of clamps are available: Model MVA7607, an 8 in. clamp for hoses up to 1¼ in. (32 mm) diameter; Model MVA7605, a 6 in. clamp for hoses with diameters up to 1 in. (25 mm). Both feature a rounded, nonslip handle and angled jaws, as well as a unique, self-locking design. May be purchased individually or as a set (Model MVA7609).

### Specifications:

<b>Packaged weight MVA7605:</b>	0.2 lbs. (0.09 kg)
<b>MVA7607:</b>	0.5 lbs. (0.23 kg)
<b>MVA7609:</b>	0.7 lbs. (0.31 kg)



MVA7607 \*



## MV5910 Foam Mat

This large 12 x 20 in. (305 x 510 mm) cushioned kneeling pad is a super comfortable 1 in. (25 mm) thick. It is flame retardant and non-absorbent, making it ideal for any time you kneel at work or around the shop or home. It also works great as a stadium or boat seat cushion.

### Specifications:

<b>Weight:</b>	10.6 oz. (300 g)
<b>Size:</b>	12 x 20 x 1 in. (305 x 510 x 25 mm)



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

# Specialty Tools and Equipment



## MVA6853 1.5-Liter Fuel/Fluid Extractor/Dispenser

The MVA6853 fuel evacuation and primer extracts or dispenses fluids quickly and cleanly. It is a simple-to-use manual syringe-type tool that comes with adapters for diesel fuel and is compatible with other Mityvac connectors. The integrated valve in the cap prevents spills and leaks. Thanks to its fuel-capable sealing design, the MVA5863 is made for extracting and dispensing fluids such as diesel fuel and gasoline, motor oil, brake fluid, transmission fluid, rear differential fluid and coolant in vehicle service applications.

### Specifications:

<b>Packaged weight:</b>	2.7 lb. (1.22 kg)
<b>Packaged size (wide x deep x tall):</b>	18.7 x 4.6 x 4.6 in. (475 x 115 x 115 mm)

## MVA6852\* 1.5-Liter Fluid Extractor/Dispenser

The MVA6852 is a simple-to-use, syringe-action tool featuring a large, 1.5-liter fluid reservoir, twist-valve and dual-seal piston. A complimentary **MVA7218** rubber ATF adapter connector is included, allowing connection to **MVA5800** ATF refill kit adapters. Potential vehicle service uses include fluid transfer from master cylinders, power steering fluid and coolant reservoirs, transaxles, diesel fuel filters and cylinders. A variety of fluid exchange applications in general industry and marine uses are also suitable.

### Specifications:

<b>Packaged weight:</b>	0.7 lb. (0.32 kg)
<b>Packaged size (wide x deep x tall):</b>	11.8 x 2.5 x 2.5 in. (300 x 140 x 230 mm)

**MVA6852 \***  
Shown with MVA7218 ATF  
adapter connector



## MVA6851 Fluid Extractor

The MVA6851 Fluid Extractor uses a simple syringe action to quickly and cleanly extract or dispense fluids into or out of small reservoirs. With a fluid capacity up to 7 oz. (200 cc), it is ideal for removing used fluids from master cylinders, transaxles and power steering or coolant reservoirs prior to bleeding, fluid changes or repairs. Lightweight and easy to clean, the extractor features a 7½ in. (190 mm) flexible tube for accessing reservoirs and includes a non-drip cap.

### Specifications:

<b>Packaged weight:</b>	0.7 lb. (0.32 kg)
<b>Packaged size (wide x deep x tall):</b>	11.8 x 2.5 x 2.5 in. (300 x 140 x 230 mm)



**MVA6851**

### Comparison

	Applications	Reservoir capacity	Package size	Packaged weight
<b>MVA6851</b>	ATF, brake fluid, coolant fluid, motor oil, power steering fluid	7 oz (0.2 Liter)	11.8x2.5x2.5 in (300x140x230 mm)	0.7 lbs (0.32 kg)
<b>MVA6852</b>	ATF, brake fluid, coolant fluid, motor oil, power steering fluid	50 oz (1.5 Liter)	18.7x4.6x4.6 in (475x115x115 mm)	2.7 lbs (1.22 kg)
<b>MVA6853</b>	Diesel fuel, gasoline, ATF, brake fluid, coolant fluid, motor oil, power steering fluid	50 oz (1.5 Liter)	18.7x4.6x4.6 in (475x115x115 mm)	2.7 lbs (1.22 kg)

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

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