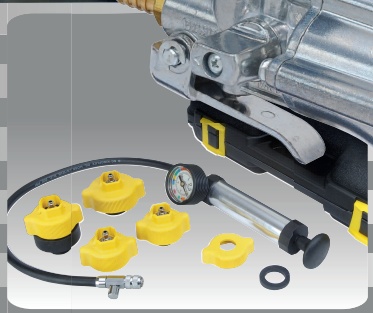
mityvac®

www.mityvac.com

Automotive & Vacuum-Related Tools & Equipment



For more details and the most up-to-date information, visit www.mityvac.com

Table of Contents By Product

Vacuum/Pressure Hand Pumps, Kits & Accessories 2

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.

Fluid Evacuation & Dispensing Equipment & Accessories 11

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 (19 liters). Applications including evacuating and filling or topping-off engine oil, coolants, transaxle grease and power steering, transmission and brake fluid.

Brake & Clutch Bleeding Equipment & Accessories 17

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.

Engine Diagnostic Equipment 23

In addition to the original Mityvac automotive vacuum test kits, we offer an outstanding selection of cylinder compression and fuel system diagnostic kits to meet the needs of professional service technicians worldwide.

Cooling System Service Equipment 32

Mityvac has developed and introduced advanced cooling system test and refill equipment that surpasses the performance and features of any previous product on the market. With our kits and accessories, technicians can perform numerous cooling system diagnostic tests as well as evacuate and refill systems in only a few minutes.

Specialty Equipment 38

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.

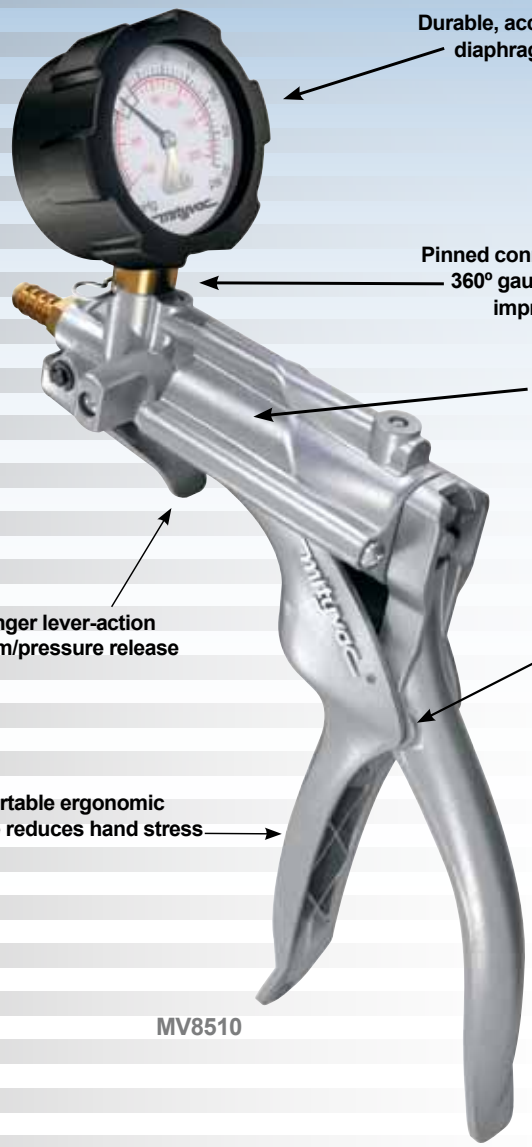
mityvac®

www.mityvac.com

By Application

Air Induction Cleaning	38-40
Automatic Transmission Refill	13-14
Brake Bleeding, Pressure	19-20, 22
Brake Bleeding, Vacuum	5-6, 11-12, 16-18, 21-22
Clutch Bleeding, Pressure	19-20, 22
Clutch Bleeding, Vacuum	5-6, 11-12, 16-18, 21-22
Compression Testing, Diesel	28-30
Compression Testing, Gasoline	26-27, 30-31
Cooling System Air Evacuation (AirEvac)	32, 34, 35-36
Cooling System Pressure Testing	32-37
Cooling System Refill	32, 34, 35-36
Diesel Fuel Priming	4-6, 9, 11-12, 17-18, 22
Differential Refill	13
Dipstick Tube Evacuation	11-12
Fluid Dispensing	12-13
Fluid Evacuation	11-12
Fluid Transfer	40
Fuel Flow/Volume Testing	23-25
Fuel Injection Cleaning	38-40
Fuel Pressure Testing	23-25, 31
Fuel System Diagnostics	23-25
Motorcycle Cooling System Pressure Testing	37
Oil Evacuation	11-12
Power Steering Evacuation	4-8
Transmission Evacuation	11-12
Turbocharger Testing	5-6
Vacuum Testing	5-9, 31

Hand Vacuum/Pressure Pumps



Only Lincoln offers the original Mityvac hand vacuum/pressure pumps used by automotive technicians, service and maintenance professionals, engineers, scientists and Do-It-Yourselfers worldwide. No other hand 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.

Hand Vacuum/Pressure Pumps

mityvac®
www.mityvac.com

Pump Options

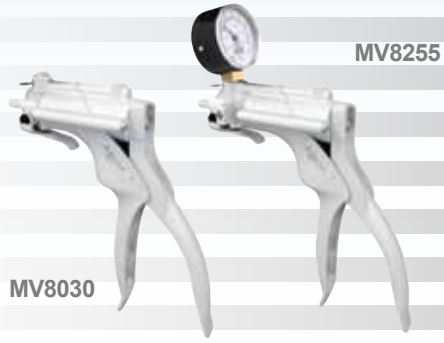
One of the reasons Mityvac is the world leader in hand pumps is due to our extensive selection of available options. By offering a wide range of pump configurations, users can select exactly the pump they need for their application without having to settle for a pump that won't perform, or pay more for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

Metal or PVC

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

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

Mityvac Selectline hand vacuum/pressure pumps feature a body molded of tough, durable PVC. These pumps are an exceptional value because they not only offer all the features of metal pumps, but they include some very attractive advantages as well:
Lightweight—a standard PVC pump without a gauge, weighs less than five ounces!
Non-marring—PVC is ideal for use around delicate finishes or in fragile applications such as windshield repair or in laboratories
Non-corrosive—PVC is unaffected by wet, humid conditions
Chemical Resistant—PVC is naturally chemical resistant, a great advantage for use in laboratories and many industrial applications



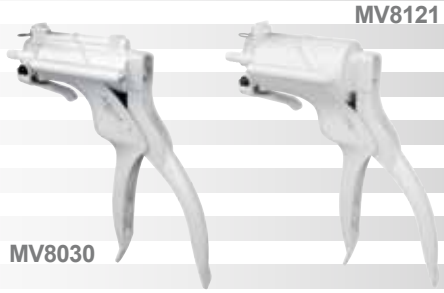
With or Without a Gauge

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

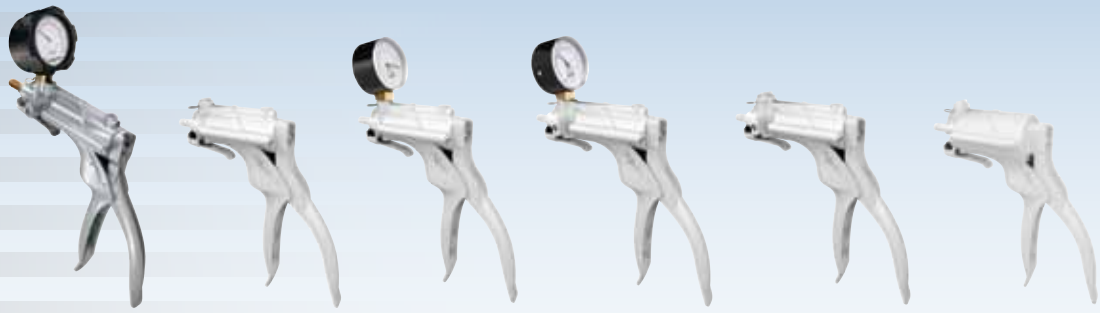
How much volume do you want to move? That's the question to ask when deciding between the Mityvac standard pump and Mityvac Superpump.

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

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

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, 16cc w/ gauge	Selectline Vacuum Pump, 16cc	Selectline Vacuum Pump, 16cc, w/ gauge	Selectline Vacuum Pump, 16cc, w/ gauge, DC	Selectline Vacuum Pump, 16cc, DC	Selectline Superpump Vacuum Pump, 32cc
Material	Zinc/Aluminum	PVC				
Vol./Stroke	1 cu. in. (16cc)					2 cu. in. (32cc)
Gauge[1]	Yes	No	Yes		No	
Dual Converter[2]	Yes	No		Yes		No
Weight	2.5 lbs (1.3 kg)	6.9 oz (194 g)	11 oz (313 g)	11.5 oz (326 g)	12.2 oz (345 g)	11.7 oz (332 g)
Max. Vacuum	25 in Hg (85 kPa)					
Max. Pressure[2]	30+ psi (207+ kPa)	N/A		30 psi (207 kPa)		N/A
Maintenance Kit[3]	MVM8900	MVM8901		MVM8903		MVM8902
Replacement Gauge	MVA6176	N/A	MVA6178	MVA6181	N/A	

[1] Mityvac vacuum gauges are scaled 0 - 30 inches of Mercury (0 - 100 kPa). Compound gauges included on dual vacuum/pressure converter pumps are scaled 0 - 30 psi (0 - 200 kPa) pressure, and 0 - 30 inches of Mercury (0 - 100 kPa) vacuum.
[2] All Mityvac pumps produce vacuum at the front port. Dual converter pumps are capable of producing vacuum or pressure at the front port. A rotating knob on the side of the pump allows the operator to switch between vacuum and pressure. Dual converter pumps include a compound gauge for indicating levels of both.
[3] Maintenance kits include components necessary to perform routine maintenance on Mityvac pumps. Other service parts are available and indicated in the pump service manual.
* Refer to the Mityvac pump introduction (pages 2 and 3) for information on features and options indicated above.
**All Mityvac pump vacuum/pressure ports fit standard ¼" (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.

MVM8900

MVM8901

MVM8902

MVM8903

MVA6176

MVA6178

MVA6181

Service Kits for Discontinued Hand Pump Models

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

Hand Pump Kits

mityvac®
www.mityvac.com

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
- Turbrcharger 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.

MV8500

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 No. MV8510) with 2" (50 mm) diameter compound gauge and rubber boot
- 4.5 oz. (135 ml) fluid reservoir bottle w/ fluid transfer and storage lids
- 4 Tapered adapters for connecting to tubing from .09" (2.3 mm) to .50" (13 mm) ID
- 2 Tapered manifold plugs
- 2 Tapered bleed screw adapters
- 2 Universal bleed screw adapters
- 12 Vacuum cap plugs
- Vacuum line T-adapter
- 5/32" (4 mm) ID x 1/4" (6.4 mm) ID tubing adapter
- Rubber cupped adapter
- (2) 1/4" (6.4 mm) ID x 24" (610 mm) long connection tubes
- 1/4" (6.4 mm) ID x 1 1/2" (40 mm) long connection tube
- 1/4" (6.4 mm) ID x 3 5/8" (90 mm) long fluid pick-up tubes
- 5/32" (4 mm) ID x 3" (75 mm) long vacuum test tube
- Master Cylinder Refill Kit (Model no. MVA6825)
- Custom molded case
- User's manual (English, French, Spanish)

Specifications:

Packaged Weight:	5.5 lbs (2.5 kg)
Packaged Size:	12.9" x 9.8" x 4.5" (330 mm x 250 mm x 115 mm)

See pages 7-10 for hand pump accessories.

Hand Pump Kits

Selectline Pump Kits

MV8000

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 No. MV8010) with 2" (50 mm) gauge
- 4.5 oz. (135 ml) fluid reservoir bottle w/ fluid transfer and storage lids
- 4 Tapered adapters for connecting to tubing from .09" (2.3 mm) to .50" (13 mm) ID
- 2 Tapered manifold plugs
- 2 Tapered bleed screw adapters
- 2 Universal bleed screw adapters
- Vacuum line T-adapter
- 5/32" (4 mm) ID x 1/4" (6.4 mm) ID tubing adapter
- Rubber cupped adapter
- (2) 1/4" (6.4 mm) ID x 24" (610 mm) long connection tubes
- 1/4" (6.4 mm) ID x 1 1/2" (40 mm) long connection tube
- 1/4" (6.4 mm) ID x 3 5/8" (90 mm) long fluid pick-up tubes
- 5/32" (4 mm) ID x 3" (75 mm) long vacuum test tube
- User's Manual (English, French, Spanish)

Specifications:

Packaged Weight:	1.5 lbs (0.69 kg)
Packaged Size:	12" x 10" x 2.3" (305 mm x 250 mm x 60 mm)
Pump Displacement:	1 cu. in. (16 cc) per stroke
Max. Vacuum:	25 in. Hg (85 kPa)
Gauge Indication:	0 - 30 in. Hg (0 - 100 kPa)

MV8020

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 No. 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
- 1/4" ID x 1 1/2" long (6.4 mm ID x 40 mm long) connection tube
- 1/4" ID x 24" long (6.4 mm ID x 610 mm long) connection tube
- User manual (English/French/Spanish)

Specifications:

Packaged Weight:	1.1 lbs (.50 kg)
Packaged Size:	12" x 10" x 2.3" (305 mm x 250 mm x 60 mm)
Pump Displacement:	1 cu. in. (16 cc) per stroke
Max. Vacuum:	25 in. Hg (85 kPa)

See pages 7-10 for hand pump accessories

Hand Pump Accessories

mityvac®
www.mityvac.com

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" ID x 6" long (6.4 mm ID x 150 mm long) fluid pick-up tube

Specifications:

Weight:	4.4 oz (125 g)

MVA6005

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" ID x 3⅝" long (6.4 mm ID x 90 mm long) fluid pick-up tube

Specifications:

Weight:	2.3 oz (65 g)

MVA6910

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.

Includes:

- 4.5 oz (135 ml) capacity reservoir bottle with fluid transfer and storage lids
- ¼" ID x 1½" long (6.4 mm ID x 40 mm long) connection tube
- 5/32" ID x 3" long (4 mm ID x 75 mm long) connection tube
- (2) ¼" ID x 3⅝" long (6.4 mm ID x 90 mm long) fluid pick-up and connection tubes
- Rubber cupped adapter
- ¼" ID x ¼" ID (4 mm ID x 6.4 mm ID) tubing adapter
- (4) Tapered adapters for connecting to tubing from .090" ID to .50" ID (2.3 mm ID to 12.7 mm ID)
- (2) Tapered manifold plugs
- 2¾" (70 mm) diameter mason jar lid
- 3 5/16" (84 mm) diameter wide-mouth mason jar lid
- ¼" ID x 48" long (6.4 mm ID x 1220 mm long) connection tube
- Adapters for tubing sizes ⅛"-½" OD (3.2 mm-13 mm OD) and ¼"-3/8" ID (6.4 mm-9.5 mm ID)
- ⅜" ID x 48" long (9.5 mm ID x 1220 mm long) connection tube

Specifications:

Weight:	10.3 oz (292 g)

MVA6001

Hand Pump Accessories

MVA6000

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.

Includes:

- (4) Tapered adapters for connecting to tubing from .090" to .50" ID (2.3 mm 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" ID x 24" long (6.4 mm ID x 610 mm long) connection hoses
- User manual (English/French/Spanish/German)

Specifications:

Weight:	14.8 oz (420 g)

MVA660

MVA660 Power Steering AirEvac Adapter

For use with Mityvac hand vacuum pumps to reduce bleed time following power steering repairs. Universal cone-shaped design fits snuggly into the neck of many power steering reservoirs, to form an air-tight seal when vacuum is applied.

Specifications:

Weight:	3.2 oz (90 g)
Packaged Size:	1.6" diameter x 3" tall (40 mm x395 mm)

MVA360

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 34) to test automotive cooling systems and cooling system caps for leaks that can lead to overheating and severe engine damage.

Specifications:

Weight:	5.2 oz (150 g)

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" ID (6.4 mm ID) hoses and two universal bleed adapters.

Specifications:

Weight:	7.6 oz (215 g)

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" ID x 1½" long (6.4 mm ID x 40 mm long) connection tube
- 5⁄32" ID x 3" long (4 mm ID x 75 mm long) connection tube
- ¼" ID x 3⅝" long (6.4 mm ID x 90 mm long) connection tube
- Rubber cup adapter
- 5⁄32" ID x ¼" ID (4 mm ID x 6.4 mm ID) tubing adapter
- (4) Tapered adapters for connecting to tubing from .090" to .50" ID (2.3 mm to 12.7 mm ID)
- (2) Tapered manifold plugs

Specifications:

Weight:	0.8 oz (23 g)

Hand Pump Accessories

mityvac®
www.mityvac.com

MVA6913 Universal Brake Bleed Adapters

Mityvac's Universal Brake Bleed Adapter is specially designed to fit snuggly 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" (6.4 mm) ID tubing

Specifications:

Weight:	0.7 oz (20 g)

MVA6913

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"-½" ID (4 mm-13 mm ID).

Specifications:

Weight:	1 oz (28 g)

MVA6004

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.

Includes:

- 2¼" (70 mm) diameter standard mason jar lid
- 3 5⁄16" (84 mm) diameter wide-mouth mason jar lid
- (2) ¼" ID x 48" long (6.4 mm ID x 1220 mm long) connection tubes
- Adapters for tubing sizes ⅛"-½" OD (3.2 mm-13 mm OD) and ¼"-⅜" ID (6.4 mm-9.5 mm ID)

Specifications:

Weight:	6.6 oz (187 g)

MVA6845

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 6mm, 8mm, and 12mm 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)

MVA6008

Hand Pump 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 oz 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" (75 mm) diameter master cylinder plate
- 6" (150 mm) diameter master cylinder plate
- 4" x 8" (100 mm x 200 mm) dual chamber master cylinder plate
- Instruction sheet

Specifications:

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

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:

Reservoir Capacity:	40 oz (1.2 liters)
Packaged Weight:	13.4 oz (0.38 kg)
Packaged Size:	6.5" wide x 5" tall x 6.3" deep (165 mm wide x 125 mm tall x 160 mm deep)

MVA6834

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

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:

Packaged Weight:	1.10 lbs (0.50 kg)
Packaged Size:	8.4" wide x 7.0" tall x 4.5" deep (215 mm wide x 180 mm tall x 115 mm deep)

Fluid Evacuation & Dispensing Equipment

mityvac®
www.mityvac.com

Fluid Evacuators

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 quarts (1.8 liters) to 2.3 gallons (8.8 liters). 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.

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 quart (1.8 liter) 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 w/ screws for bench mounting
- Hanging hook
- User manual (English/French/Spanish/German)

MV7430

Specifications:

Reservoir Capacity:	1.9 quarts (1.8 liters)
Working Pressure:	60 – 150 psi (4.1 – 10.3 bar)
Vacuum @ 90 psi (6.2 bar):	26 in. Hg (88 kPa)
Air Consumption @ 90 psi (6.2 bar):	4.3 cfm (2.0 l/s)
Flow Rate:	@ 60 psi (4.1 bar):50 oz/min (1460 ml/min) @ 90 psi (6.2 bar):70 oz/min (2100 ml/min) @ 150 psi (10.3 bar):70 oz/min (2100 ml/min)
Inlet Thread Size:	¼" NPT
Packaged Weight:	4.8 lbs (2.2 kg)
Size:	9" tall x 6.5" dia. (230 mm tall x 150 mm dia.)

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 No. MVA7205) for vacuum bleeding hydraulic brake and clutch systems.

Features:
- Operates on compressed air
- Integrated 2.3 gallon (8.8 liter) 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" OD x 5' long (5.7 mm OD x 1.5 m long) dipstick tube
- 0.26" OD x 5' long (6.6 mm OD x 1.5 m long) dipstick tube
- 0.41" OD x 5' long (10 mm OD x 1.5 m long) main evacuation tube
- Brake/clutch bleeding adapter kit (Model No.MVA7205)
- Tube adapters
- User manual (English/French/Spanish)

MV7300

Specifications:

Reservoir Capacity:	2.3 gallons (8.8 liters)
Max. Operating Temp.:	175°F (80°C)
Compressed Air Inlet Size:	¼" NPT
Packaged Weight:	7.5 lbs (3.4 kg)
Size:	24" tall x 12.4" wide x 9.3" deep (610 mm tall x 315 mm wide x 235 mm deep)

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 gallon (7.3 liter) capacity reservoir
- Large base w/ foot stabilizer
- Durable, chemical-resistant polyethylene construction
- Automatic overflow prevention
- Quick-drain pour spout

Includes:

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

Specifications:

Reservoir Capacity:	1.9 gallons (7.3 liters)
Max. Operating Temperature:	175°F (80°C)
Packaged Weight:	7.5 lbs (3.4 kg)
Size:	25" tall x 7.5" dia. (635 mm tall x 190 mm dia.)

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 gallon (8.8 liter) 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" OD x 5' long (5.7 mm OD x 1.5 m long) dipstick tube
- 0.26" OD x 5' long (6.6 mm OD x 1.5 m long) dipstick tube
- 0.41" OD x 5' long (10 mm OD x 1.5 m long) main evacuation tube
- Tube adapters
- User manual (English/French/Spanish)

Specifications:

Reservoir Capacity:	2.3 gallons (8.8 liters)
Max. Operating Temperature:	175°F (80°C)
Packaged Weight:	10.0 lbs (4.5 kg)
Size:	24" tall x 12.4" wide x 9.3" deep (610 mm tall x 315 mm wide x 235 mm deep)

Fluid Evacuation & Dispensing Equipment

mityvac®
www.mityvac.com

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-gallon 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 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' 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 14 and 20 for compatible ATF and pressure bleed adapters.

Features:
- Large 1.2-gallon (5-liter) 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-gallon (5-liter) Fluid Reservoir
- Reservoir Lid w/ integrated manual pump, pressure gauge, and pressure relief valve
- 5' Fluid Dispensing Hose w/ flow control and auto-shutoff valves
- MVA5800 ATF Refill Adapter Kit (includes ten adapters, part nos. MVA580 – MVA589)
- Fluid Dispensing Wand
- Hanging Hook
- User's Manual

MV6400

Specifications:

Reservoir Capacity:	1.2 gallons (5 liters)
Max. Pressure:	20 psi (1.4 bar)
Packaged Weight:	7.5 lbs (3.4 kg)
Packaged Size:	7.5" wide x 8.0" deep x 15.6" tall (190 mm wide x 205 mm deep x 396 mm tall)

MV6410 ATF Refill System

The MV6410 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-gallon of fluid between refills, while the pressurized operation frees the operator from continual pumping.

Features:
- Includes ten (10) adapters to connect to Ford, Toyota, BMW, Honda, Nissan, VW, Audi, Mercedes, and Volvo transmissions
- Large 1.2-gallon (5-liter) 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 custom-molded storage case for adapters

Includes:
- 1.2-gallon (5-liter) Fluid Reservoir
- Reservoir Lid w/ integrated manual pump, pressure gauge, and pressure relief valve
- 5' Fluid Dispensing Hose w/ flow control and auto-shutoff valves
- Fluid Dispensing Wand
- Hanging Hook
- User's Manual

Specifications:

Reservoir Capacity:	1.2 gallons (5 liters)
Max. Pressure:	20 psi (1.4 bar)
Packaged Weight:	7.5 lbs (3.4 kg)
Packaged Size:	7.5" wide x 8.0" deep x 15.6" tall (190 mm wide x 205 mm deep x 396 mm tall)

MV6410

Fluid Evacuation & Dispensing Accessories

MVA7216

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
- All components packaged in custom-molded case

Includes:

- Connection hose with flow control valve and quick-change coupler (MVA7210)
- Ten ATF refill adapters (part numbers MVA580 - MVA589)

Specifications:

Packaged Weight:	3.8 lbs (1.7 kg)
Packaged Size:	12.5" wide x 8.4" deep x 2.7" tall (320 mm wide x 215 mm deep x 70 mm tall)

MVA5800

MVA5800 ATF Refill Kit

Contains ten adapters for servicing Ford, Toyota, Volkswagen, Audi, Volvo, BMW, Honda, Nissan, and Mercedes sealed (lifetime) automatic transmissions (see adapter chart below). This kit is included with the Mityvac MV6410 ATF Refill System (page 13) and is the same as MVA7216 without the connection hose. Includes custom-molded case.

Specifications:

Packaged Weight:	3.2 lbs (1.5 kg)
Packaged Size:	12.5" wide x 8.4" deep x 2.7" tall (318 mm wide x 215 mm deep x 70 mm tall)

MVA580

MVA585

MVA581

MVA586

MVA582

MVA587

MVA583

MVA588

MVA584

MVA589

MVA7210

MVA7212

MVA7214

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 MVA7216, MVA5800 or MV6410.

Part No	Description	Thread	Application(s)
MVA580	Ford ATF Refill Adapter	⅛" NPT	Ford
MVA581	Toyota ATF Refill Adapter	NA	Toyota
MVA582	Angled ATF Refill Adapter		BMW, Honda, Nissan
MVA583	VW ATF Refill Adapter, Short		Volkswagen
MVA584	VW ATF Refill Adapter, Long		Volkswagen
MVA585	VW ATF Refill Adapter	10 x 1.0	Volkswagen
MVA586	VW/Audi ATF Refill Adapter	24 x 1.5	VW, Audi w/ DSG Transmission
MVA587	Audi ATF Refill Adapter	22 x 1.5	Audi w/ CVT Transmission
MVA588	Mercedes ATF Refill Adapter	12 x 1.5	Mercedes w/ 722.9 Transmission
MVA589	Volvo ATF Refill Adapter	5⁄16"-24 UNF	Volvo
MVA7210	ATF Refill Hose	NA	NA
MVA7212	ATF Refill Hose with Ford Adapter	⅛" NPT	Ford
MVA7214	ATF Refill Hose with Toyota Adapter	NA	Toyota

Fluid Evacuation & Dispensing Accessories

mityvac®
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:

Packaged Weight:	9.3 oz (265 g)
Packaged Size:	8" wide x 12" deep x 1½" tall (150 mm wide x 305 mm deep x 65 mm tall)

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' (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' (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" OD x 8' long (5.7 mm OD x 2.4 m long) dipstick tube with connector
- 0.26" OD x 8' long (6.6 mm OD x 2.4 m long) dipstick tube with connector
- 0.41" OD x 8' long (10 mm OD x 2.4 m long) main evacuation tube with connector

Specifications:

Packaged Weight:	12.8 oz (365 g)
Carton Size:	13" wide x 13" deep x 2" tall (330 mm wide x 330 mm deep x 50 mm tall)

MVA6006

MVA571 Fluid Storage Lid

Fluid storage lid fits the MV6400 series fluid dispenser reservoir.

Specifications:

Packaged Weight:	.5 lb (.2 kg)
Packaged Size:	5.0" wide x 5.0" deep x 4.5" tall (130 mm x 330 mm x 50 mm)

MVA571

MV6400 Series Reservoirs

Mityvac offers 1.2-, 2.5- and 5-gallon (5-, 10- and 20-liter) reservoirs for fluid storage or for increasing the capacity of models MV6400 and MV6410. Each reservoir includes a lid and fluid pickup tube with quick-change coupler for connecting MV6400 and MV6410 accessories.

Part No.	Capacity
MVA576	1.2 gallon (5 liter)
MVA572	2.6 gallon (10 liter)
MVA573	5.3 gallon (20 liter)

MVA576 MVA572 MVA573

Fluid Evacuation & Dispensing 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 oz 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" (75 mm) diameter master cylinder plate
- 6" (150 mm) diameter master cylinder plate
- 4" x 8" (100 mm x 200 mm) dual chamber master cylinder plate
- Instruction sheet

Specifications:

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

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:

Reservoir Capacity:	40 oz (1.2 liters)
Packaged Weight:	13.4 oz (0.38 kg)
Packaged Size:	6.5" wide x 5.0" tall x 6.3" deep (165 mm wide x 125 mm tall x 160 mm deep)

MVA6834

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

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:

Packaged Weight:	1.10 lb (0.50 kg)
Packaged Size:	8.5" wide x 7.0" tall x 4.5" deep (210 mm wide x 180 mm tall x 115 mm deep)

Brake & Clutch Bleeding Equipment

mityvac®
www.mityvac.com

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

MV8020

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 No. 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" ID x 1½" long (6.4 mm ID x 40 mm long) connection tube
- ¼" ID x 24" long (6.4 mm ID x 610 mm long) connection tube
- User manual (English/French/Spanish)

Specifications:

Packaged Weight:	1.1 lbs (.50 kg)
Packaged Size:	12" x 10" x 2.3" (305 mm x 250 mm x 60 mm)
Pump Displacement:	1 cu. in. (16 cc) per stroke
Max. Vacuum:	25 in. Hg (85 kPa)

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 quarts (1.9 liters) 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 quart (1.8 liter) 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' (1.8 m) bleed hose assembly
- 4' (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)

MV6830

Specifications:

Reservoir Capacity:	1.9 quarts (1.8 liters)
Working Pressure:	60 - 150 psi (4.1 - 10.3 bar)
Vacuum @ 90 psi (6.2 bar):	26 in. Hg (88 kPa)
Air Consumption @ 90 psi (6.2 bar):	4.3 cfm (2.0 l/s)
Flow Rate:	@ 60 psi (4.1 bar):50 oz/min (1460 ml/min) @ 90 psi (6.2 bar):70 oz/min (2100 ml/min) @ 150 psi (10.3 bar):70 oz/min (2100 ml/min)
Inlet Thread Size:	¼" NPT
Packaged Weight:	5.0 lbs (2.3 kg)
Size:	9" tall x 6.5" dia. (230 mm tall x 150 mm dia.)

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 quarts (2 liters) 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:

Bleeder Reservoir Capacity:	1.9 quarts (1.8 liters)
Refill Reservoir Capacity:	40 oz (1.2 liters)
Working Pressure:	60 – 150 psi (4.1 – 10.3 bar)
Vacuum @ 90 psi (6.2 bar):	26 in. Hg (88 kPa)
Air Consumption @ 90 psi (6.2 bar):	4.3 cfm (2.0 l/s)
Flow Rate:	@ 60 psi (4.1 bar):50 oz/min (1460 ml/min) @ 90 psi (6.2 bar):70 oz/min (2100 ml/min) @ 150 psi (10.3 bar):70 oz/min (2100 ml/min)
Inlet Thread Size:	¼" NPT
Packaged Weight:	5.1 lbs (2.3 kg)
Packaged Size:	11.5" wide x 10.8" tall x 8.8" deep (290 mm wide x 275 mm tall x 225 mm deep)

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:

Bleeder Reservoir Capacity:	1.9 quarts (1.8 liters)
Refill Reservoir Capacity:	40 oz (1.2 liters)
Working Pressure:	60 – 150 psi (4.1 – 10.3 bar)
Vacuum @ 90 psi (6.2 bar):	26 in. Hg (88 kPa)
Air Consumption @ 90 psi (6.2 bar):	4.3 cfm (2.0 l/s)
Flow Rate:	@ 60 psi (4.1 bar):50 oz/min (1460 ml/min) @ 90 psi (6.2 bar):70 oz/min (2100 ml/min) @ 150 psi (10.3 bar):70 oz/min (2100 ml/min)
Inlet Thread Size:	¼" NPT
Packaged Weight:	6.73 lbs (3.05 kg)
Size:	15.5" wide x 10.8" tall x 8.8" deep (395 mm wide x 275 mm tall x 225 mm deep)

Brake & Clutch Bleeding Equipment

mityvac®
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 20 for a complete list of included adapters and their applications.

MV6840

Features:

- Includes seven (7) master cylinder adapters to connect to most American, Asian, and European manufactured cars and light trucks
- Large 1.2-gallon (5-liter) 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 custom-molded storage case for adapters

Includes:

- 1.2-gallon (5-liter) Fluid Reservoir
- Reservoir Lid w/ integrated manual pump, pressure gauge, and pressure relief valve
- 5' (1.5 m) Fluid Dispensing Hose w/ flow control and auto-shutoff valves
- MVA6850 Pressure Bleed Adapter Kit (includes seven master cylinder adapters)
- Fluid Dispensing Wand
- Hanging Hook
- User's Manual

Specifications:

Reservoir Capacity:	1.2 gallons (5 liters)
Max. Pressure:	20 psi (1.4 bar)
Packaged Weight:	14.4 lbs (6.5 kgs)
Packaged Size:	11.8" wide x 11.3" deep x 15.6" tall (300 mm wide x 290 mm deep x 396 mm tall)

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 20 for a complete list of available adapters and their applications.

MV6844

Features:

- Includes threaded adapter MVA804, for connecting to most European manufactured cars
- Large 1.2-gallon (5-liter) 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-gallon (5-liter) Fluid Reservoir
- Reservoir Lid w/ integrated manual pump, pressure gauge, and pressure relief valve
- 5' (1.5 m) Fluid Dispensing Hose w/ flow control and auto-shutoff valves
- MVA804 European Pressure Bleed Adapter
- Fluid Dispensing Wand
- Hanging Hook
- User's Manual

Specifications:

Reservoir Capacity:	1.2 gallons (5 liters)
Max. Pressure:	20 psi (1.4 bar)
Packaged Weight:	9.3 lbs (4.2 kgs)
Packaged Size:	7.5" wide x 8.0" deep x 15.6" tall (190 mm wide x 205 mm deep x 396 mm tall)

Brake & Clutch Bleeding Accessories

MVA6850

MVA6850 Pressure Bleed Adapter Kit

The MVA6850 expands the applications of Mityvac model MV6400 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

Includes:

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

Specifications:

Packaged Weight:	5.9 lbs (2.7 kgs)
Packaged Size:	15.1" x 3.5" x 11.8" (385 mm x 90 mm x 300 mm)

MVA800

MVA809

MVA801

MVA802

MVA810

MVA803

MVA811

MVA804

MVA808

MVA812

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.

Adapter No.	Type	Application(s)
MVA800*	Locking collar	Toyota, Lexus
MVA801*	3-tab camlock	Chrysler, Dodge, Jeep, Plymouth
MVA802*	3-tab camlock	Chrysler, Dodge, Jeep, Plymouth
MVA803*	3-tab camlock	Most late model GM cars (Buick, Cadillac, Chevrolet, GMC, Hummer, Oldsmobile, Pontiac), some Mazda
MVA804**	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
MVA808*	3-tab camlock	All Hyundai, Mitsubishi, Nissan and Subaru, some Chrysler/Dodge, some Ford/Lincoln
MVA809	Universal round cone secured with chain	Master cylinders with small round necks from 1¼" x 2⅛" (32 mm to 54 mm) internal diameter
MVA810*	Universal round cone secured with chain	All Acura, Honda, Izusu and Suzuki, some Mitsubishi. Master cylinders with large round necks from 1¾" to 3⁵⁄₁₆" (50 mm to 80 mm) internal diameter
MVA811	Face seal secured with dual chains	Retangular shaped master cylinders ranging in size up to 3½" x 6" (90 mm x 150 mm)
MVA812	Face seal secured with double chains	Retangular shaped master cylinders ranging in size from 3½" x 6" (90 mm x 150 mm) to 4¼" x 7¾" (108 mm x 200 mm)

* Included in MVA6850 and MV6840

** Included in MV6844, MV6840 and MVA6850

Brake & Clutch Bleeding Accessories

mityvac®
www.mityvac.com

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 oz 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" (75 mm) diameter master cylinder plate
- 6" (150 mm) diameter master cylinder plate
- 4" x 8" (100 mm x 200 mm) dual chamber master cylinder plate
- Instruction sheet

Specifications:

Weight:	4.7 oz / 135 g

MVA6825

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

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:

Reservoir Capacity:	40 oz (1.2 liters)
Packaged Weight:	13.4 oz (0.38 kg)
Packaged Size:	6.5" wide x 5" tall x 6.3" deep (165 mm wide x 125 mm tall x 160 mm deep)

MVA6832

MVA6834 Plate-style Auto-refill Upgrade Kit

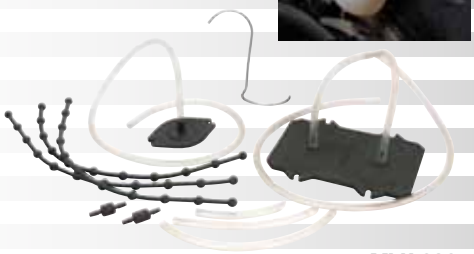
Upgrade your MVA6832 Clamp-on Auto-refill Kit with MVA6834, to create our Master Auto-refill Kit. The plates included with MVA6834 significantly expand the number of applications to include dual chamber and small neck master cylinders, as well as low clearance applications.

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

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:

Packaged Weight:	13.4 oz (0.38 kg)
Packaged Size:	6.5" wide x 5" tall x 6.3" deep (165 mm wide x 125 mm tall x 160 mm deep)



MVA6834

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

Includes:

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

Specifications:

Reservoir Capacity:	40 oz (1.2 liters)
Packaged Weight:	2.1 lbs (1.0 kg)
Packaged Size:	5.0" deep x 8.0" wide x 8.0" tall (125 mm deep x 205 mm wide x 205 mm tall)

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 6mm, 8mm, and 12mm 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)

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" ID (6.4 mm ID) hoses and two universal bleed adapters.

Specifications:

Weight:	7.6 oz (215 g)

Engine Diagnostic Equipment

Engine Diagnostic Equipment

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

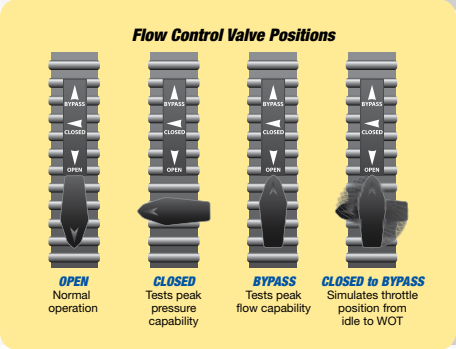
The MV5545 Fuel System Tester diagnoses and pinpoints common fuel system failures including failing fuel pump, faulty pressure regulator, blocked filter(s), pinched fuel line, contaminated fuel and fuel tank vortex.

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

Includes:

- 3.5" (90mm) high pressure gauge with rubber boot, push-button relief valve, and hanging hook.
- Flowmeter w/ borosilicate glass flow-tube, patented flow-control valve, and 1 gallon/min maximum flow capability.
- (2x) 4' (1.2m) 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 gallons/minute and liters/minute units of measure
- Custom molded case
- Operator's manual



Specifications:

Packaged Weight:	13.7 lbs (6.2 kg)
Packaged Size:	17.1" long x 9.6" wide x 8.2" tall (435 mm x 245 mmx 210 mm)
Max. Volume	1.0 gallons/min. (3.8 liters/min.)
Max. Pressure	200 psi (13.5 bar)

MV5545

Engine Diagnostic Equipment

MV5546

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 0-120 psi (0-8 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.

Includes:

- 3.5" (90 mm) high pressure gauge w/ rubber boot, push-button relief valve, and hanging hook.
- 4' (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
- Operator's manual

Specifications:

Packaged Weight:	11.5 lbs (5.2 kg)
Packaged Size:	17.6" long x 10.2" wide x 8.2" tall (445 mm x 260 mm x 210 mm)

MV5553

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 deadhead test and allows simulation of wide-open throttle (WOT) condition while vehicle is at idle.

Includes:

- Flowmeter w/ borosilicate glass flowtube, patented flow-control valve, and 1 gallon/min maximum flow capability.
- (2x) 4' (1.2m) long flowmeter hose
- Fuel Bypass Hose
- (2x) Fuel Hose Clamp
- (2x) Fuel Hose Plug
- Operator's manual

Specifications:

Packaged Weight:	5.5 lbs (2.5 kg)
Packaged Size:	14.0" long x 13.8" wide x 3.0" tall (355 mm x 350 mm x 75 mm)

Engine Diagnostic Equipment

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' (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.

Includes:

- 4' (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
- Operator's Manual

Specifications:

Packaged Weight:	1.2 lbs (.55 kg)
Packaged Size:	7.8" long x 5.8" wide x 2.0" tall (200 mm x 145 mm x 50 mm)

MVA5552

MVA507
Test Port Adapter

MVA505
Hose Adapter

MVA508
Test Port Adapter

MVA510
Test Port Adapter

MVA512
Quick-Change Adapter

MVA 511
Test Port Adapter

MVA530
Banjo Adapter

MVA520
Adapter

MVA531
Banjo Adapter

MVA521
Adapter

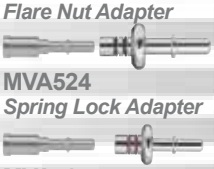
MVA532
Banjo Adapter

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

MVA519
Ball Nose Adapter

MVA535
Quick Connect Adapter

MVA534
Quick Connect Adapter

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.

Part No.	Description	Application(s)
MVA505	1/4"-3/8" Barbed Flex Hose Adapter 1/4" Flex Hose Adapter 5/16" Flex Hose Adapter 3/8" Flex Hose Adapter	Vehicles w/ 1/4", 5/16", or 3/8" rubber to steel hose connection Vehicles w/ 1/4" rubber to steel hose connection Vehicles w/ 5/16" rubber to steel hose connection Vehicles w/ 3/8" rubber to steel hose connection
MVA507 *	GM/Chrysler Right Angle Test Port Adapter	GM & some Chrysler vehicles with 7/16"-20 thread test port on fuel rail
MVA508 *	Ford/Chrysler Right Angle Test Port Adapter	Ford & some Chrysler vehicles with .308-32 thread test port on fuel rail
MVA510 *	GM/Chrysler Test Port Adapter	GM & some Chrysler vehicles with 7/16"-20 thread test port on fuel rail
MVA511 *	Ford/Chrysler Test Port Adapter	Ford & some Chrysler vehicles with .308-32 thread test port on fuel rail
MVA512 [2]	3/8" Quick-change Adapter	GM, Chrysler, Jeep/Eagle
MVA517 [3]	M12 x 1.5 Ball Nose Adapter	European vehicles with CIS fuel system
MVA518 [3]	M14 x 1.5 Ball Nose Adapter	European vehicles with CIS fuel system
MVA519 [3]	M16 x 1.5 Ball Nose Adapter	European vehicles with CIS fuel system
MVA520 [2]	M16 x 1.5 Adapter	GM Vortec
MVA521 [2]	M14 x 1.5 Adapter	GM Vortec
MVA522 [2]	3/8" Flare Nut Adapter	Carbureted & early fuel injected systems
MVA523 [2]	5/16" Flare Nut Adapter	Carbureted & early fuel injected systems
MVA524 [2]	3/8" Spring Lock Adapter	Ford fuel injected systems
MVA525 [2]	1/2" Spring Lock Adapter	Ford fuel injected systems
MVA530 [1]	M8 x 1.0 Banjo Adapter	Toyota
MVA531 [1]	M10 x 1.0 Banjo Adapter	Toyota
MVA532 [1]	M12 x 1.25 Banjo Adapter	Toyota, Lexus, Geo, Honda, Acura, Hyundai, Mazda, Daihatsu, Chrysler imports
MVA533	M14 x 1.5 Banjo Adapter	European applications
MVA534 *	10 mm Quick-change Adapter	Diesel
MVA535	5/16" Quick-change Connect Adapter	GM, Chrysler, Jeep/Eagle, Toyota

* Not Included in MV5545. [1] Included in MVA504 [2] Included in MVA503 [3] Included in MVA502

MVA504 Banjo Adapter Kit

MVA503 Ball Nose Adapter Kit

MVA502 U.S. Adapter Kit

Engine Diagnostic Equipment

MV5530

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 2¾" (70 mm) diameter gauge
- Adapters to fit engines as small as lawn mowers, chain saws and trimmers
- Quick-disconnect coupler for easy accessory changes

Includes:

- 2¾" (70 mm) gauge with high impact lens, rubber boot, and four (4) scales of measure (psi, kg/cm², bar, kPa), attached to 10" (250 mm) hose and quick release coupler
- 14 mm short-thread adapter with 6½" (165 mm) and 12" (305 mm) hoses
- 14 mm long-thread adapter with 12" (305 mm) hose
- 18 mm short-thread adapter with 12" (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)

Specifications:

Packaged Weight:	3.5 lbs (1.6 kg)
Packaged Size:	14.5" wide x 8" tall x 2.7" deep (370 mm wide x 205 mm tall x 70 mm deep)
Max. Pressure:	300 psi (21kg/cm²) (20.5 bar) (2,070 kPa)

MVA5501

MVA5507

MVA5502

MVA5508

MVA5503

MVA5509

MVA5504

MVA5510

MVA5506

Gas Compression Test Adapters

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" (305 mm)

MVA5506
14 mm long reach thread x 12" (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" (165 mm)

MVA5509
18 mm standard reach thread x 12" (305 mm)

MVA5510
Air Hold Adapter

MVA5511

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" beyond the installation surface and services both 14 mm and 18 mm threads.

Specifications:

Weight:	6.7 oz (190 g)

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.

MV5532

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 9V 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

Includes:

- Digital compression tester comprising of test gauge with rubber boot, 10" (250 mm) high-pressure hose and female quick-change coupler
- 14 mm standard reach thread x 6.5" (165 mm) hose adapter
- 14 mm standard reach thread x 12" (305 mm) hose adapter
- 14 mm reach thread x 12" (305 mm) hose adapter
- 18 mm standard reach thread x 12" (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:

Maximum Pressure:	300 psi (2070 kPa) (20.7 bar)
Packaged Weight:	4.9 lbs (2.21 kg)
Case Size:	15.7" wide x 12.4" tall x 3.2" deep (400 mm wide x 315 mm tall x 82 mm deep)

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.

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 9V 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

Includes:

- Digital compression tester comprising of test gauge with rubber boot, 15" (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 “B" 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:

Maximum Pressure:	1,000 psi (6890 kPa) (68.9 bar)
Packaged Weight:	5.2 lbs (2.36 kg)
Case Size:	15.7" wide x 12.4" tall x 3.2" deep (400 mm wide x 315 mm tall x 82 mm deep)

MV5536

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 9V 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

Includes:

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

Specifications:

Maximum Pressure:	1,000 psi (6890 kPa) (68.9 bar)
Packaged Weight:	2.5 lbs (1.11 kg)
Case Size:	12.5" wide x 8.4" tall x 3.8" deep (315 mm wide x 210 mm tall x 95 mm deep)

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	MVA5620		6000, 7000, 10000, 11000
Audi	MVA5622		All U.S. models
BMW	MVA5613	M12 x 1.25, M18 x 1.50	2.4L
J.I. Case	MVA5619		70 Series, 188 & 207 cid w/ pencil-type injector
J.I. Case	MVA5620		70 & 90 series, 1570, 2470, 2480, 4890 engines w/ non-pencil-type injector
Perkins	MVA5619		1100 & 3208 series pencil-type injector
Caterpillar	MVA5616		D336, 1674, 1676, 3406, 3408, 3412
Chevrolet	MVA5614	M10 x 1.25	1.8L, 2.2L LUV/Isuzu
Cummins/Case	MVA5602		B series, 2.9L, 3.9L, 5.9L
Cummins/Case	MVA5617		C series, 8.3L
Cummins/Case	MVA5623		NH855, V6, V8, V12, 903 V8, L10
Cummins	MVA5615		V-185, V-210, V-225, V-555, VT-255, VT-555
Cummins	MVA5622		6BT, 4.02" bore, 5.9L
Detroit Diesel	MVA5621		53, 71, 92, 110, 149, V53, V71
Deutz	MVA5613	M12 x 1.25, M18 x 1.50	Most models
Dodge	MVA5602		5.9L, 12V Cummins (1989-1998)
Dodge	MVA5601		5.9L, 24V Cummins (1998-2005)
Fiat Allis	MVA5620		8035-02-300, 8035-02-301, 8035-02-302, 8045-02, 8045-03
Fiat Allis	MVA5620		Tractor engines
Ford	MVA5612	M10 x 1.25	Escort, Lynx, Tempo, Topaz (1984-85)
Ford	MVA5603	M10 x 1.0	Navistar 6.9L & 7.3L through 1994
Ford	MVA5605	M10 x 1.0	Navistar 7.3L Power Stroke
Ford	MVA5610	M14 x 1.25	International VT365 and Ford Power Stroke 6.0L engines
Ford/Mazda	MVA5612	M10 x 1.25	2.0L & 2.2L Ford products including Ranger
Ford/Mazda	MVA5603	M10 x 1.0	4.3L & 5.7L (1978-85)
GM	MVA5604	M10 x 1.0	6.2L & 6.5L V8
GM	MVA5613	M12 x 1.25, M18 x 1.50	W4, W7, W7HV (GMC Trucks)
GM	MVA5611		Duromax 6600
IHC	MVA5620		D361, DT361 D429, DT429, DV462, DV550, DVT550, DT573, DV573, DVT573, 361, 407
IHC	MVA5614	M10 x 1.25	1.8L, 2.2L
Isuzu	MVA5611		6.6L
Isuzu	MVA5612	M10 x 1.25	NPR, KS, NGR (Trucks)
John Deere	MVA5619		Pencil Injector–Early 300, 400, 500 Series & 276, 404, 531 CID engines
John Deere	MVA5620		404, 466, 453, 619
Kubota	MVA5612	M10 x 1.25	Some models
Lincoln	MVA5613	M12 x 1.25, M18 x 1.50	2.4L Mark VII, Continental (1984-85)
Lincoln	MVA5612	M10 x 1.25	Mark VII, Continental w/ Volvo engines
Mack	MVA5620		END 405, 457, 475, 510, 605, 672, 673, 674, 711, 864 & ENDT 673, 675, 676, 865, 866
Mercedes	MVA5622		Cars & trucks w/ 24 mm ports
Mercedes	MVA5613	M12 x 1.25, M18 x 1.50	250, 300, 300 Turbo, 350 Turbo
Mercedes	MVA5624		Mercedes MBE-900 and MVE-4000
Mitsubishi	MVA5612	M10 x 1.25	2 & 3 cylinder engines, some Fuso
Navistar	MVA5618		DT360, DT466, 9.0L, 312, 360, 414, 436,& 446 cid up to 1997
Nissan	MVA5612	M10 x 1.25	2.2L & Medium UD truck
Onan	MVA5620		DSL, MDSL
Perkins	MVA5620		4.203, 4.236, 4.248, 6.354, 8.540
Perkins	MVA5619		1100 & 3208 series pencil-type injector
Peugeot	MVA5613	M12 x 1.25, M18 x 1.50	2.3L & 2.5L (1978-86)
Scania	MVA5620		DN11, DS11
Toyota	MVA5614	M10 x 1.25	1.8L
Toyota	MVA5612	M10 x 1.25	2.2L
Volkswagen	MVA5622		All except 1.6L & 1.9L TDI
Volkswagen	MVA5606		1.6L
Volkswagen	MVA5613	M12 x 1.25, M18 x 1.50	1.9L TDI
Waukesha	MVA5619		D155D
Waukesha	MVA5620		180DLC, 190D, 195D, 197D
White Farm	MVA5620		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	MVA5620		340, 350, 430, 660, 670, 750, 860, 1000

*Included in MV5535 Kit

Engine Diagnostic Equipment

MV5534

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" (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/cm2 and Bar
- Includes custom-molded case with extra space for adapters

Includes:

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

Specifications:

Maximum Pressure:	1,000 psi (6890 kPa) (68.9 bar)
Packaged Weight:	2.5 lbs (1.14 kg)
Case Size:	12.5" wide x 8.4" tall x 3.8" deep (315 mm wide x 210 mm tall x 95 mm deep)

MV5520

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

Includes:

- 2¾" (70 mm) diameter Bourdon tube gauge (readings indicated in four (4) scales of measure (bar, psi, kPa, and kg/cm²) with pressure release and quick-change coupler.
- 14 mm and 18 mm short-thread adapter with 15" (380 mm) hose
- 14 mm long-thread adapter
- User manual (English/Spanish/French)

Specifications:

Packaged Weight:	1.0 lb (0.45 kg)
Size:	5" wide x 12" tall x 1⅜" deep (125 mm wide x 305 mm tall x 35 mm deep)
Max. Pressure:	300 psi (21 kg/cm2) (20.5 bar) (2,070 kPa)

Engine Diagnostic Equipment

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.

MV5525

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

Includes:

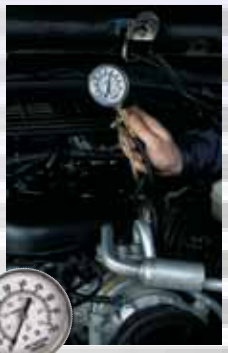
- 23/4" (70 mm) diameter Bourdon tube gauge (readings indicated in psi and kPa) with manual pressure release, 15" (380 mm) braided hose and GM/Chrysler adapter
- Ford adapter
- 6' (1.8 m) fuel drain hose
- User manual (English/Spanish/French)

Specifications:

Packaged Weight:	6.7 oz (190 g)
Size:	6" tall x 2¾" dia. (150 mm tall x 70 mm dia.) gauge
Max. Pressure:	300 psi (21kg/cm2) (20.5 bar) (2,070 kPa)

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.



MV5515

Features:

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

Includes:

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

Specifications:

Packaged Weight:	1.0 lb (0.45 kg)
Packaged Size:	5" wide x 12" tall x 1⅜" deep (125 mm wide x 305 mm tall x 35 mm deep)
Max. Pressure:	100 psi (700 kPa)

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.

MV5511

Features:

- Large 3½" (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

Includes:

- 3½" (90 mm) compound gauge (readings indicated in psi, kg/cm2, in. Mercury (Hg), and cm Mercury (Hg)) with barb fitting
- 24" (610 mm) oil-resistant hose
- Universal fuel line adapter
- Tapered adapter
- Tee adapter
- User manual (English/Spanish/French)

Specifications:

Packaged Weight:	12.3 oz (350 g)
Packaged Size:	5" wide x 12" tall x 1⅜" deep (125 mm wide x 305 mm tall x 35 mm deep)
Max. Pressure:	10 psi (0.7 kg/cm²)
Max. Vacuum:	28 in. Hg (70 cm Hg)

Cooling System Service Equipment

Cooling System Test & Evacuation Equipment

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

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. See pages 34 and 35 for a complete list of available adapters and their applications as well as convenient, cost saving adapter kits. Visit mityvac.com to view a complete updated make/model/year application guide.

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 airthat 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 adapters for connecting to the most common radiator and coolant bottle necks found on Domestic, Asian, and European automobiles.
- Additional adapters available for all makes and models of cars and light trucks
- Packaged in custom-molded case with space for additional adapters
- Molded adapter design provides a secure grip during installation or removal

Includes:

- Pressure Pump
- 2.5" (64 mm) diameter diaphragm style compound gauge w/ hanging hook
- Venturi Vacuum
- Valve Coupler
- Temperature Probe
- (2x) 30" (760 mm) Extension Hose
- 5' (1.5 m) Refill Hose
- 5' (1.5 m) Drain Hose
- Cap Wrench
- Hose Clip
- 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)
- Custom Molded Case
- User's Manual (English, French, Spanish)
- Adapter Selection Guide (English, French, Spanish)

Specifications:

Packaged Weight:	10.3 lbs (4.7 kg)
Packaged Size:	20.6" x 18.3" x 4.3" (525 mm x 465 mm x 110 mm)
Maximum Pressure:	30 psi (200kPa)
Maximum Temperature:	400°F (200°C)
Vacuum:	15 in. Hg (51 kPa) @ 60 psi (4.1 bar) inlet pressure 24 in. Hg (81 kPa) @ 90 psi (6.2 bar) inlet pressure 25 in. Hg (85 kPa) @ 120 psi (8.3 bar) inlet pressure
Air Inlet Size:	¼" NPT

Cooling System Service Equipment

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. See pages 34 and 35 for a complete list of available adapters and their applications as well as convenient, cost saving adapter kits. Visit mityvac.com to view a complete updated make/model/year application guide.

MV4530

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 quickdisconnects 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

Includes:

- Hand Pressure Pump w/ 2' (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's Manual (English, French, Spanish)
- Adapter Selection Guide (English, French, Spanish)

Specifications:

Packaged Weight:	6.0 lbs (2.7 kg)
Packaged Size:	17.9" x 13.2" x 4.8" (455 mm x 335 mm x 122 mm)
Maximum Pressure:	30 psi (200kPa)

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. See pages 34 and 35 for a complete list of available adapters and their applications as well as convenient, cost saving adapter kits. Visit mityvac.com to view a complete updated make/model/year application guide.

MV4529

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

Includes:

- Hand Pressure Pump w/ 2' (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:

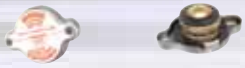
Packaged Weight:	3.0 lbs (1.4 kg)
Packaged Size:	17.7" x 14.6" x 20.1" (450 mm x 370 mm x 510 mm)

Cooling System Service Equipment

Cooling System Adapter Selection Guide

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. Visit mityvac.com to view a complete updated make/model/year application guide. 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 35.

Radiators and Coolant Bottles with bayonet style neck

Pressure Cap	System Adapter #	Cap Adapter #	Application(s)
	MVA100	MVA200	Original large bayonet style used on most early model autos. Still used on many applications through current year.
	MVA101	MVA201	Small bayonet applications with 16mm deep neck. Numerous applications including many Asian autos.
	MVA102	MVA202	Small bayonet applications with 9mm deep neck. Numerous applications including many Asian autos.

Radiators and Coolant Bottles with internal threads on the neck

	MVA106	MVA206	Volkswagen models 1990-1998 w/ internal thread on coolant bottle
	MVA108	MVA208	Volkswagen and Audi models 1998 and later w/internal thread on coolant bottle
	MVA111	MVA211	Toyota MR2 Spyder and Celica 2000 and later

Radiators and Coolant Bottles with external threads on the neck

	MVA103	MVA203	Numerous domestic applications especially GM beginning in early 1990s through current year.Also some Mercedes, Jaguar, and Ford.
	MVA104	MVA204	Volkswagen and Audi models 1975 through 1993 w/ external thread on coolant bottle
	MVA105	MVA205	Peugeot 206/406, Volvo, Land Rover Freelander,Alfa Romeo 164, Renault, Mini, Jeep, Sterling,Saab w/ external thread on coolant bottle
	MVA107	MVA207	Porsche, Mercury, Saturn, Saab, Jaguar, Range Rover, Pontiac, Daewoo, Ford
	MVA109	MVA209	Mercedes E-Class 1996 and later, Mercedes w/external thread on coolant bottle (except MClass),Chrysler Crosssfire 2004 and later
	MVA110	MVA210	Ford Focus and Escape, Jaguar XK8 and XJ8,Mazda Tribute
	MVA112	MVA207	BMW through 1987, Merkur Scorpio 1987 through 1989
	MVA113	MVA213	BMW 1998 through 2002 with external thread on coolant bottle, Land Rover Range Rover 1995 through 1997
	MVA114	MVA214	Mazda 3

Cooling System Service Equipment

mityvac®
www.mityvac.com

All of our MVA100 series cooling system adapters and MVA200 series cooling system cap adapters listed on page 34 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, MV4530 and MV4529. 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
MVA112					
MVA113				X	
MVA114					X

MVA4620
European CS Test Adapter Kit

MVA4640
Extended CS Test Adapter Kit

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

MVA4610
US/Asian CS Cap Adapter Kit

MVA4630
European CS Cap Adapter Kit

MV4650
Extended CS Cap Adapter Kit

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:

Weight:	5.2 oz (215 g)

MVA360

Cooling System Service Equipment

MV4535

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 quickdisconnects for easy and time saving assembly and breakdown.
- Packaged in custom-molded case

Includes:

- 2.5" (64 mm) diameter diaphragm style vacuum gauge w/ hanging hook
- Venturi Vacuum
- Valve Coupler
- Universal Cooling System Adapter
- (2x) 30" (760 mm) Extension Hose
- 5' (1.5 m) Refill Hose
- Custom Molded Case
- User's Manual (English, French, Spanish)

Specifications:

Packaged Weight:	5.0 lbs (2.3 kg)
Packaged Size:	17.7" x 12.8" x 4.2" (450 mm x 325 mm x107 mm)
Vacuum:	15 in. Hg (51 kPa) @ 60 psi (4.1 bar) inlet pressure 24 in. Hg (81 kPa) @ 90 psi (6.2 bar) inlet pressure 25 in. Hg (81 kPa) @ 120 psi (8.3 bar) inlet pressure
Air Inlet Size:	¼" NPT

MV4506

MV4506 Universal Cooling System Adapter

Expand the versatility of standard cooling system pressure testers by adding the Mityvac MV4506 Universal Adapter to your toolbox. This adapter replaces dozens of special, custom-manufactured radiator and expansion tank adapters required by other brands of pressure testers, saving you time, money and space. Simply attach the radiator adapter from your standard kit to the inlet side of our universal adapter to create a pressure tester compatible with the majority of cars, trucks and SUVs. The MV4506 is easy to service and requires no inflation or conditioning.

Features:

- Universal design fits most automotive radiators and expansion tanks
- Inlet fits standard adapter available on all brands of pressure testers
- Simple, easy-to-service design requires no complicated setup

Includes:

- Universal cooling system adapter
- User manual (English/French/Spanish)

Specifications:

Weight:	11 oz (310 g)
Size:	5¼" tall x 2½" diameter (135 mm tall x 65 mm diameter)

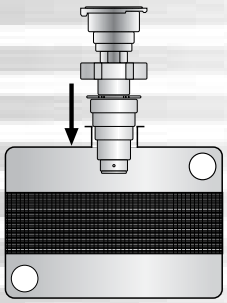


Fig. 1

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 ¾" (20 mm) up to 1½" (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 airlocks.

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.

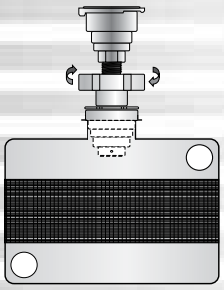


Fig. 2

Cooling System Service Equipment

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

Includes:

- Mityvac Selectline hand pressure pump w/ 2" (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

MV4560

Specifications:

Packaged Weight:	2.5 lbs (1.1 kg)
Packaged Size:	13.3" wide x 12" deep x 2.8" tall (335 mm wide x 305 mm deep x 70 mm tall)

Vehicle Applications

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

Applications verified through 2009 model year. For the latest updates, visit Mityvac.com.

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

Includes:

- Mityvac Selectline hand pressure pump w/ 2" (50 mm) diameter gauge
- Low-profile Bayonet Test Adapter
- Bayonet Cap Test Adapter
- Connection Hose
- Compression Nut
- User's Manual

Specifications:

Packaged Weight:	1.6 lbs (.7 kgs)
Packaged Size:	9.6" wide x 12.5" deep x 2.4" tall (245 mm wide x 320 mm deep x 60 mm tall)

MV4510

Specialty Tools and Equipment

Specialty Tools and Equipment

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

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 diecast aluminum construction
- Includes 16 adapters in custom-molded case for connecting to most fuel injected vehicles

Includes:

- Fuel Injection Cleaner Assembly w/ pressure regulator, gauge, valves, fittings, and 32 oz (950 ml) canister
- 5' (1.2 m) long connection hose
- 16 fuel injection system connectors in custom-molded case (MVA565)
- Wall Mount Bracket
- User's Manual

Specifications:

Packaged Weight:	8.5 oz (240 g)

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 39). 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 va es 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 diecast aluminum construction

Includes:

- Fuel Injection Cleaner Assembly w/ pressure regulator, gauge, valves, fittings, and 32 oz (950 ml) canister
- 5' (1.2 m) long connection hose
- Wall Mount Bracket
- User's Manual

Specifications:

Packaged Weight:	8.5 oz (240 g)
Packaged Size:	14.3" wide x 8.8" deep x 5.6" tall (325 mm wide x 225 mm deep x 140 mm tall)

See page 39 for a complete list of adapters.

Specialty Tools and Equipment

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 cannister cleaner, and is fully compatible with connection hoses and adapters included with the MV5545 FST Pro (see page 23). It is an ideal and economic upgrade to this system. Cleaning solutions specially formulated for fuel injector or induction system cleaning are requred and must also be purchased separately.

MV5570

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 diecast aluminum construction

Includes:

- Fuel Injection Cleaner Assembly w/ pressure regulator, gauge, valves, fittings, and 32 oz (950 ml) canister
- Wall Mount Bracket
- User's Manual

Specifications:

Packaged Weight:	8.5 oz (240 g)
Packaged Size:	14.3" wide x 8.8" deep x 5.6" tall (325 mm wide x 225 mm deep x 140 mm tall)

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.

MVA565

Features:

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

Includes:

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

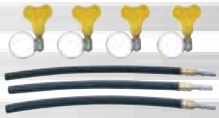
Specifications:

Packaged Weight:	5.3 lbs (2.4 kgs)
Packaged Size:	12.8" wide x 17.7" deep x 4.2" tall (325 mm wide x 450 mm deep x 105 mm tall)

MVA559

MVA560

MVA561



MVA505

MVA562

MVA553

MVA555

MVA552

MVA556

MVA554

MVA557

MVA507

MVA558

MVA508

Model No.	Description	Application
MVA505	1/4" Flex Hose Adapter 5/16" Flex Hose Adapter 3/8" Flex Hose Adapter	Vehicles with 1/4" rubber to steel hose connection Vehicles with 5/16" rubber to steel hose connection Vehicles with 3/8" 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" Flare Nut Adapter	Carbureted and early fuel injected systems
MVA558	5/16" Flare Nut Adapter	Carbureted and early fuel injected systems
MVA553	3/8" Spring Lock Adapter	Ford fuel injected systems
MVA552	1/2" Spring Lock Adapter	Ford fuel injected systems
MVA554	5/16" 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 applicatons 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 3/8" 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:

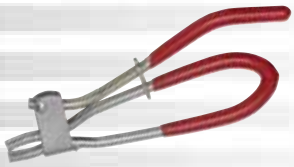
- Durable polyethylene construction–won't rust or corrode
- Hand-operated, lightweight and portable
- Siphons, evacuates and inflates

Includes:

- Hand pump with intake and discharge ports
- 2 Intake/discharge hoses
- 2 Intake/discharge hose connectors
- Inline reducer
- Air-pressure hose
- Dipstick hose
- Instruction manual

Specifications:

Packaged Weight:	5.3 lbs (2.4 kgs)
Packaged Size:	12.8" wide x 17.7" deep x 4.2" tall (325 mm wide x 450 mm deep x 105 mm tall)



MV7605

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:

Weight:	9.5 oz (270 g)
Size:	1½" x 6½" x ¼" (40 mm x 165 mm x 6.4 mm)

MV5910

MV5910 Foam Mat

This large 12" x 20" (305 mm x 510 mm) cushioned kneeling pad is a super comfortable 1" (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:

Weight:	10.6 oz (300 g)
Size:	12" x 20" x 1" (305 mm x 510 mm x 25 mm)

Numerical Index

mityvac®
www.mityvac.com

Model	Page
04010	4
04555	4
824147	38, 40
MV4506	36
MV4510	37
MV4525	**32,** 34, 35
MV4529	**33**, 34, 35
MV4530	**33**, 34, 35
MV4535	36
MV4560	37
MV5511	31
MV5515	31
MV5520	30
MV5525	31
MV5530	26
MV5532	27
MV5534	30
MV5535	**28**, 29
MV5536	28
MV5545	**23**, 24, 25, 39
MV5546	**24**, 25
MV5565	38
MV5567	38
MV5570	38, **39**
MV5910	40
MV6206	4
MV6203	4
MV6210	4
MV6212	4
MV6255	4
MV6265	4
MV6400	**13**, 15, 19, 20
MV6410	**13**, 14, 15
MV6830	**17**, 18
MV6835	18
MV6838	18
MV6840	**19**, 20
MV6844	19
MV7201	**12**, 14, 15
MV7241	40
MV7300	**11**, 15
MV7400	**12**, 15
MV7430	11
MV7605	40
MV8000	6
MV8010	3, **4,** 6
MV8020	6, 17
MV8030	3, **4,** 6, 17
MV8121	3, **4**
MV8255	3, **4**
MV8257	4
MV8500	5
MV8510	2, 3, **4**, 5
MVA100	8, 32, 33, **34**, 35
MVA101	32, 33, **34**, 35
MVA102	32, 33, **34**, 35
MVA103	32, 33, **34**, 35
MVA104	**34**, 35
MVA105	**34**, 35
MVA106	**34**, 35
MVA107	**34**, 35
MVA108	**34**, 35
MVA109	**34**, 35
MVA110	**34**, 35
MVA111	**34**, 35
MVA112	**34**, 35
MVA113	**34**, 35
MVA114	**34**, 35
MVA200	8, **34**, 35
MVA201	**34**, 35
MVA202	**34**, 35
MVA203	**34**, 35
MVA204	**34**, 35
MVA205	**34**, 35
MVA206	**34**, 35
MVA207	**34**, 35
MVA208	**34**, 35
MVA209	**34**, 35
MVA210	**34**, 35
MVA211	**34**, 35
MVA213	**34**, 35
MVA214	**34**, 35
MVA360	8, 35
MVA502	25
MVA503	25
MVA504	25
MVA505	25, 39
MVA507	25, 39
MVA508	25, 39
MVA510	25
MVA511	25
MVA512	25
MVA517	25
MVA518	25
MVA519	25
MVA520	25
MVA521	25
MVA522	25
MVA523	25
MVA524	25
MVA525	25
MVA530	25
MVA531	25
MVA532	25
MVA533	25
MVA534	25
MVA535	25
MVA550	38, 39, **40**
MVA551	40
MVA552	39
MVA553	39
MVA554	39
MVA555	39
MVA556	39
MVA557	39
MVA558	39
MVA559	39
MVA560	39
MVA561	39
MVA562	39
MVA565	39
MVA571	15
MVA572	15
MVA573	15
MVA576	15
MVA580	13, 14
MVA581	14
MVA582	14
MVA583	14
MVA584	14
MVA585	14
MVA586	14
MVA587	14
MVA588	14
MVA589	13, 14
MVA660	8
MVA800	20
MVA801	20
MVA802	20
MVA803	20
MVA804	19, 20
MVA808	20
MVA809	20
MVA810	20
MVA811	20
MVA812	20
MVA4610	35
MVA4620	35
MVA4630	35
MVA4640	35
MVA4650	35
MVA5501	26
MVA5502	26
MVA5503	26
MVA5504	26
MVA5506	26
MVA5507	26
MVA5508	26
MVA5509	26
MVA5510	26
MVA5511	26
MVA5552	25
MVA5553	24
MVA5601	28, 29
MVA5602	28, 29
MVA5603	28, 29
MVA5604	28, 29
MVA5605	28, 29
MVA5606	28, 29
MVA5607	28, 29
MVA5608	29
MVA5609	29
MVA5610	29
MVA5611	29
MVA5612	29
MVA5613	29
MVA5614	29
MVA5615	29
MVA5616	29
MVA5617	29
MVA5618	29
MVA5619	29
MVA5620	29
MVA5621	29
MVA5622	29
MVA5623	29
MVA5624	29
MVA5800	13, **14**
MVA6000	8
MVA6001	7
MVA6004	9
MVA6005	7
MVA6006	15
MVA6007	8, 22
MVA6008	9, 22
MVA6176	4
MVA6178	4
MVA6181	4
MVA6825	5, **10**, 16, 17, 21
MVA6832	**10**, 16, 18, 21
MVA6834	**10**, 16, 18, 21
MVA6837	22
MVA6845	9
MVA6850	19, **20**
MVA6910	7
MVA6912	8
MVA6913	9
MVA7205	11, **15**
MVA7210	14
MVA7212	14
MVA7214	14
MVA7216	14
MVM4100	4
MVM5100	4
MVM6100	4
MVM8900	4
MVM8901	4
MVM8902	4
MVM8903	4
MVM9000	15

mityvac®

www.mityvac.com

LINCOLN®

Lincoln Industrial Corp.
One Lincoln Way
St. Louis, MO 63120-1578

Phone 314-679-4200
Fax 314-679-4359
www.lincolnindustrial.com

Form 442987 (09/11)
© Copyright 2011
Printed in U.S.A.