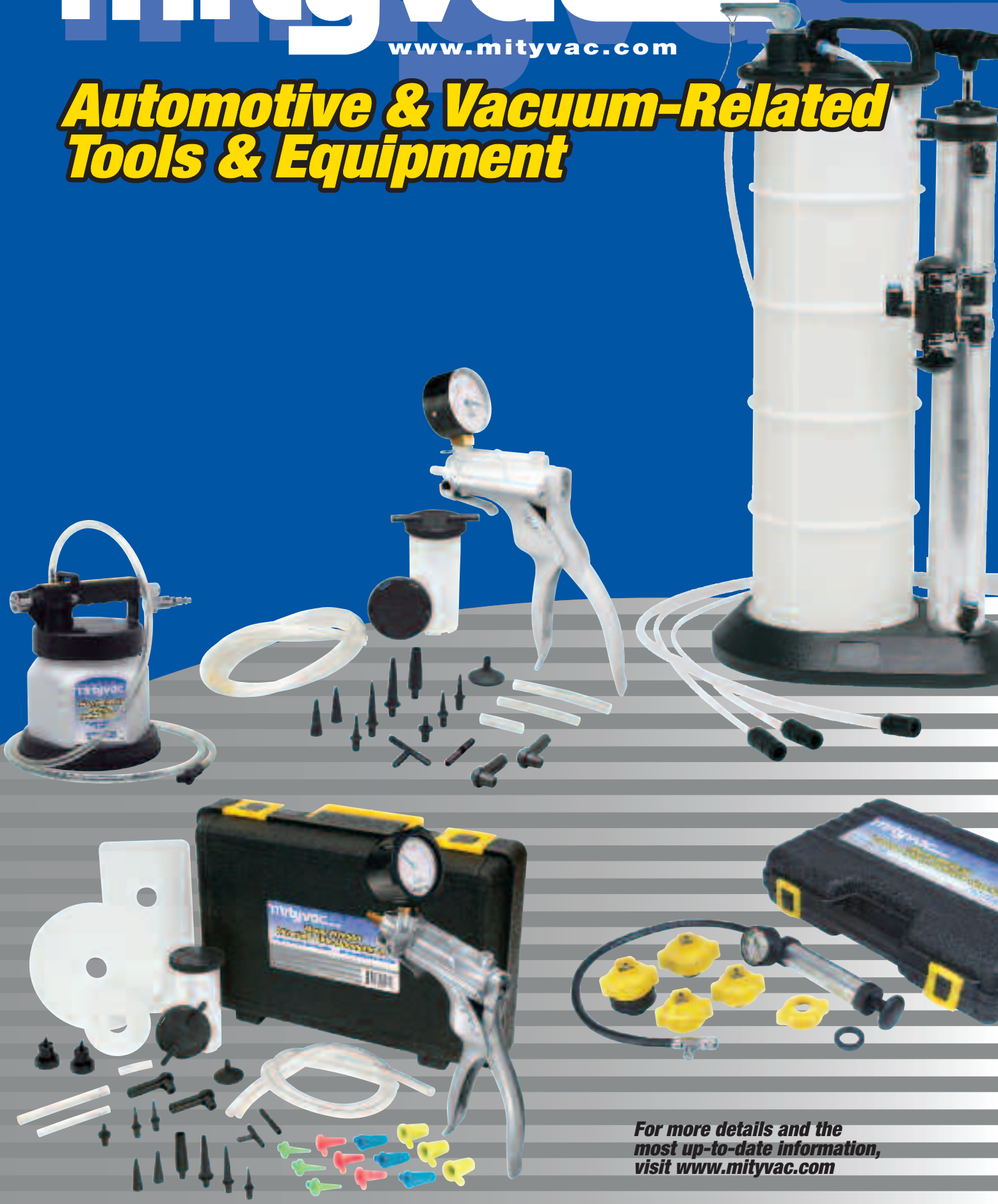


mityvac[®]

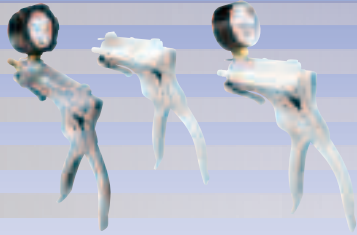
www.mityvac.com

Automotive & Vacuum-Related Tools & Equipment



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

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Mityvac offers a selection of five basic hand-held vacuum/pressure pump models, one Silverline and four Selectline. Each is featured in the chart on page four, 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 pump by choosing the exact features that best meet the requirements of your application.



Fluid Evacuators

7

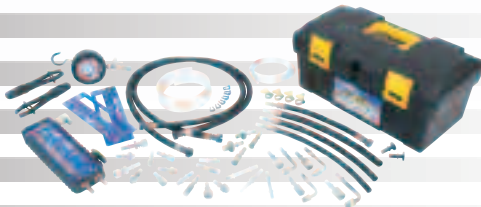
Mityvac fluid evacuators are ideal for removing fluids from small tanks and reservoirs. These units are lightweight and portable, and include integrated reservoirs with capacities ranging from 1.9 quarts (1.8 liters) to 2.3 gallons (8.8 liters). Applications include evacuating engine oil, coolants, transaxle grease, and power steering, transmission, and brake fluid.



Brake and Clutch Bleeding Equipment

9

Mityvac offers several great options to meet your unique hydraulic brake and clutch bleeding requirements. The selection of 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 and time saving accessories.



Engine Diagnostic Equipment

12

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 Equipment

21

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

28

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.



Accessories

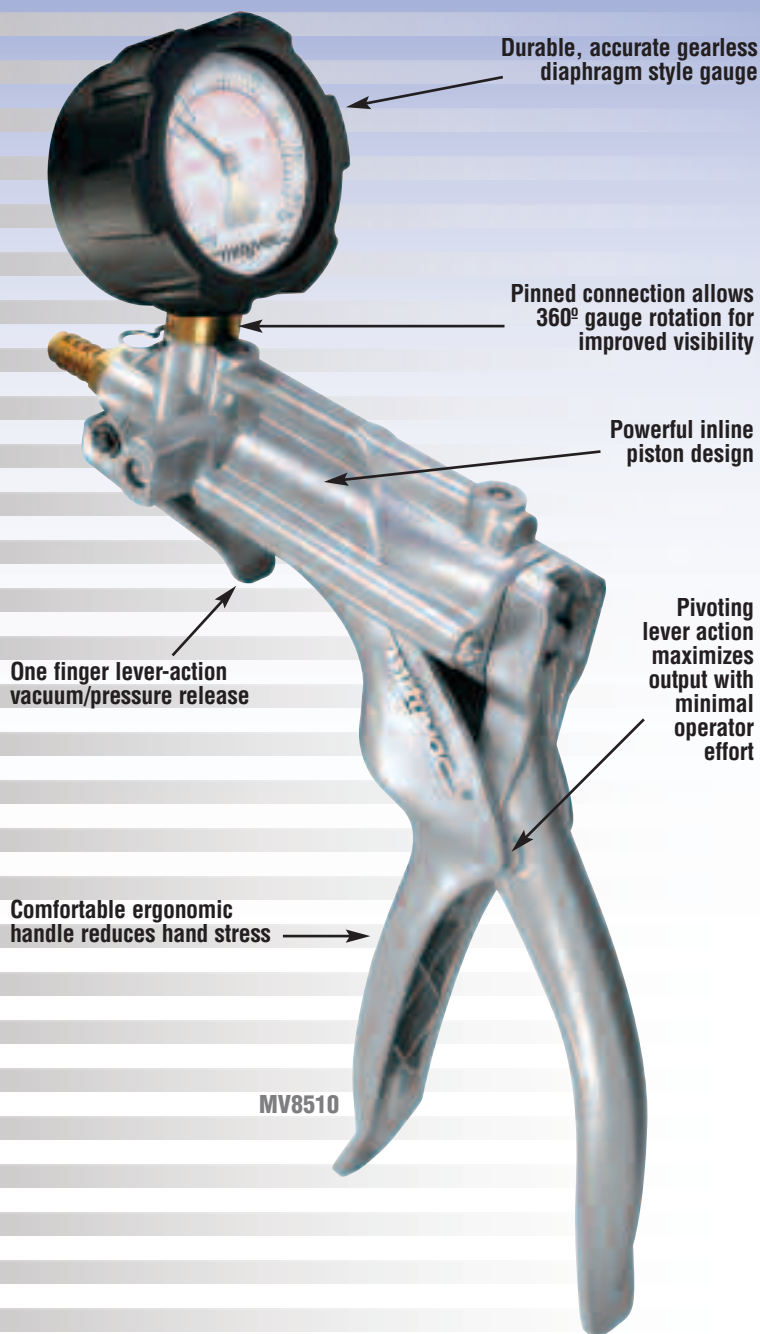
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Hand Vacuum/Pressure Pumps



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 vacuum pump on the market comes close to offering the features, quality, selection and accessories at such an outstanding value. Renowned for its versatility and virtually endless list of applications, the Mityvac hand pump has been supporting working professionals with unquestioned accuracy and reliability for over 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

Pump Options

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

Metal or PVC

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

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

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

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

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

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

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

With or Without a Gauge

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

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

Standard or Dual Converter

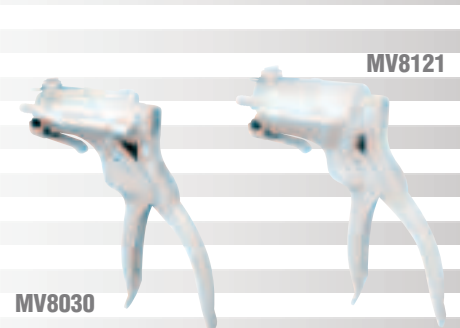
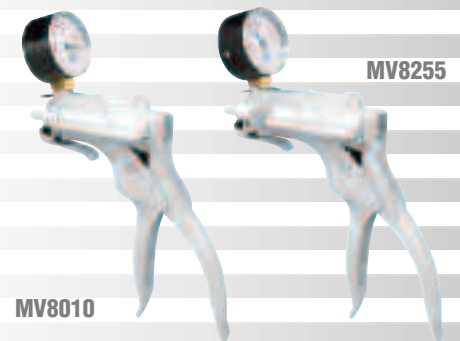
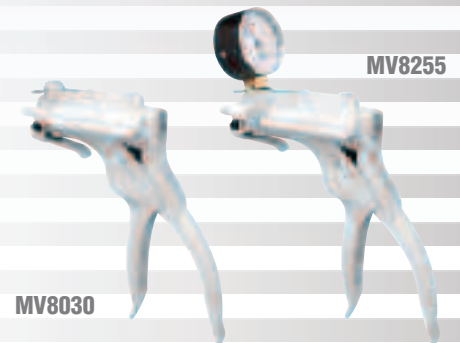
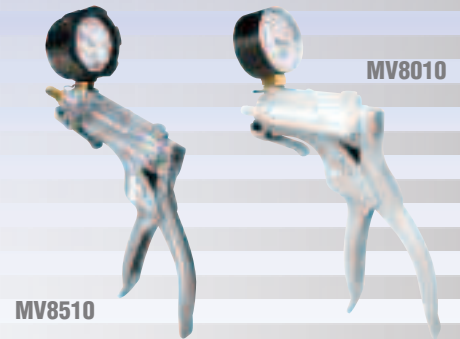
Many applications for Mityvac hand pumps require pressure rather than vacuum. For example, evaporative emission sensors included on automobiles to help meet new emissions standards, must be tested for accuracy using a pressure producing hand pump. Also, performing leak tests on cooling systems requires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

Hand Vacuum Pumps

Mityvac offers a selection of five basic hand-held vacuum/pressure pump models, one Silverline and four 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	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 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)	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.

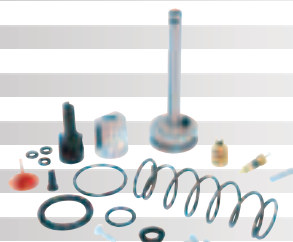
³ Maintenance kits include components necessary to perform routine maintenance on Mityvac pumps. Other service parts are available and indicated in the pump service manual.

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

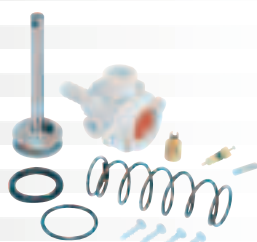
**All Mityvac pump vacuum/pressure ports fit standard 1/4" (6.4 mm) ID tubing.

***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.

For accessories, see pages 29 - 32.



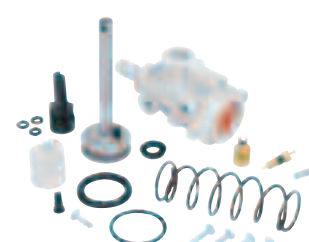
MVM8900



MVM8901



MVM8902



MVM8903



MVA6176



MVA6178



MVA6181

See pages 29-32 for hand pump accessories.

Hand Vacuum/Pressure Kits

Mityvac pump kits combine our hand vacuum/pressure pumps with accessories carefully selected to provide the most comprehensive kits available for automotive servicing. Mityvac offers kits for simple, clean and quick one-person brake bleeding, as well as more extensive kits for testing and diagnosing hundreds of automotive related functions. With our 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
- Turbocharger wastegates
- Carburetor adjustments & service
- Vacuum actuated accessories

Silverline Pump Kit

MV8500 Silverline Elite Automotive Kit

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

Features/Benefits

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

Kit Includes:

- Silverline Elite hand vacuum/pressure pump (Model 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)



MV8500

See pages 29-32 for
hand pump accessories.

Hand Vacuum/Pressure Kits

Selectline Pump Kits

MV8000 Automotive Tune-up and Brake Bleeding Kit

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

Kit Includes:

- Selectline hand vacuum pump (Model No. MV8030) 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-adaptor
- 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 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 29-32 for
hand pump accessories.

Fluid Evacuation Equipment

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:	1/4" 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)

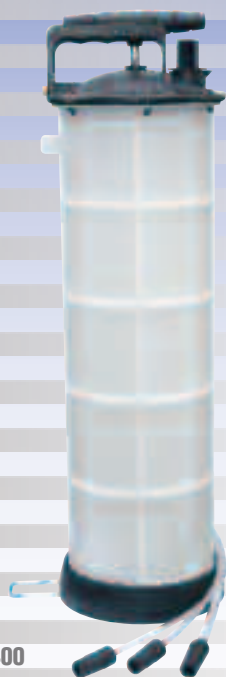
Specifications:

Reservoir Capacity:	2.3 gallons (8.8 liters)
Max. Operating Temperature:	175°F (80°C)
Compressed Air Inlet Size:	1/4" 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)



MV7300

Fluid Evacuation 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 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)



MV7201

Accessories (see page 32 for a complete description)

MVA6006 Extended Tube Kit



MVA6006

MVA7205 Brake Bleed Conversion Kit



MVA7205

Brake & Clutch Bleeding Equipment



Brake and Clutch Bleeding Equipment

Mityvac offers several great options to meet your unique hydraulic brake and clutch bleeding requirements. Our 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.

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:

- Compressed air operation
- Integrated 1.9 quart (1.8 liter) capacity fluid collection reservoir
- Variable control thumb throttle
- Swivel air inlet with quick-disconnect
- Automatically maintains fluid level in master cylinder
- Two refill kit styles ensure a fit to all makes and models of vehicles

Includes:

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



MV6838

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)

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 MV6838

Includes:

- Same as MV6838 except includes clamp-on style auto-refill kit (MVA6832) instead of Master Auto-refill Kit

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)



MV6835

See pages 5 – 6 for our line of Hand Pump Brake Bleeding Kits

Brake & Clutch Bleeding Equipment

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)

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:	1/4" NPT
Packaged Weight:	5.0 lbs (2.3 kg)
Size:	9" tall x 6.5" dia. (230 mm tall x 150 mm dia.)



MV6830

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 l)
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

Brake & Clutch Bleeding Equipment

MVA6834 Plate-style Auto-refill Upgrade Kit

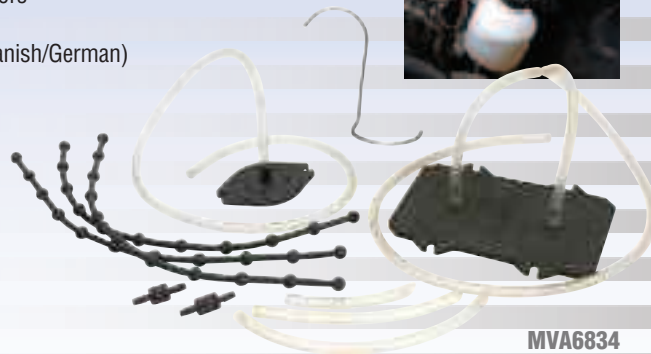
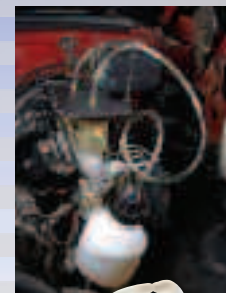
Upgrade your MVA6832 Clamp-on Auto-refill Kit with MVA6834, to create our Master Auto-refill Kit. The plates included with MVA6834 significantly expand the number of applications to include dual chamber and small neck master cylinders, as well as low clearance applications.

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)



MVA6834

Specifications:

Packaged Weight:	1.10 lbs (0.50 kg)
Packaged Size:	8.5" wide x 7.0" tall x 4.5" deep (215 mm wide x 180 mm tall x 115 mm deep)

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



MVA6837

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)

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:

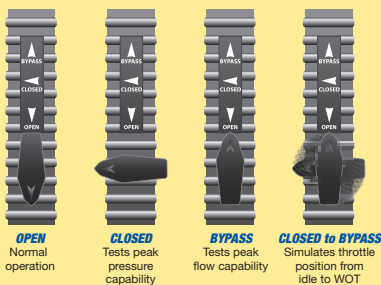
- Measures fuel system pressure and flow to accurately pinpoint fuel system failures.
- Saves hours of troubleshooting time by diagnosing a bad fuel pump and other related drivability problems in seconds.
- Patented system simulates extreme driving conditions in the shop to provide the most accurate 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 flowtube, 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



Flow Control Valve Positions



Specifications:

Packaged Unit Weight:	13.7 lbs (6.2 kg)
Unit Carton Qty:	1
Unit Carton Size:	17.1" long x 9.6" wide x 8.2" tall (435 mm x 245 mm x 210 mm)
Max. Volume	1.0 gallons/min. (3.8 liters/min.)
Max. Pressure	200 psi (13.5 bar)

MV5545



Engine Diagnostic Equipment

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



MV5546

Specifications:

Packaged Unit Weight:	11.5 lbs (5.2 kg)
Unit Carton Qty:	1
Unit Carton Size:	17.6" long x 10.2" wide x 8.2" tall (445 mm x 260 mm x 210 mm)

MVA5553 Flowmeter Upgrade Kit

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

Features:

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

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



MV5553

Specifications:

Packaged Unit Weight:	5.5 lbs (2.5 kg)
Unit Carton Qty:	1
Unit Carton Size:	14.0" long x 13.8" wide x 3.0" tall (355 mm x 350 mm x 75 mm)

MV5570 Fuel Injector Cleaner

The Mityvac Fuel Injector Cleaner utilizes the hoses and adapters supplied with the MV5545 FST, to provide a simple and effective way to clean and decarburize fuel injectors. It connects directly to shop air and has an adjustable regulator for use on low- and high-pressure fuel systems. Cleaning solutions must be purchased separately.

Features:

- Quick, clean connection using MV5545 FST hoses and adapters
- Durable metal construction
- Adjustable inlet pressure regulator for use on low and high pressure fuel systems

Includes:

- 12 oz canister
- Adjustable inlet pressure regulator
- Relief valve
- Pressure gauge (0-150 PSI) (0-10 bar)
- Instruction manual (English/French/Spanish)



MV5570

Specifications:

Packaged Unit Weight:	1.2 lbs (.55 kg)
Unit Carton Qty:	1
Unit Carton Size:	7.8" long x 5.8" wide x 2.0" tall (200 mm x 145 mm x 50 mm)

Engine Diagnostic Equipment



MVA552

MVA552 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:

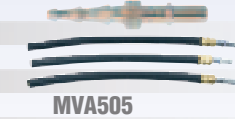
- 4' (1.2 m) long fuel pressure test hose.
- Right angle adapter for Schrader style fuel rail test ports with 7/16 x 20 thread
- Right angle adapter for Schrader style fuel rail test ports with .308 x 32 thread
- Inline adapter for Schrader style fuel rail test ports with 7/16 x 20 thread
- Inline adapter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

Specifications:

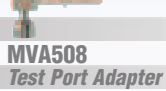
Packaged Unit Weight:	1.2 lbs (.55 kg)
Unit Carton Qty:	1
Unit Carton Size:	7.8" long x 5.8" wide x 2.0" tall (200 mm x 145 mm x 50 mm)



MVA507
Test Port Adapter



MVA505
Hose Adapter



MVA508
Test Port Adapter



MVA510
Test Port Adapter



MVA512
Quick-Change Adapter



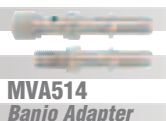
MVA511
Test Port Adapter



MVA513
Banjo Adapter



MVA520
Adapter



MVA514
Banjo Adapter



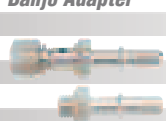
MVA521
Adapter



MVA515
Banjo Adapter



MVA522
Flare Nut Adapter



MVA516
Banjo Adapter



MVA523
Flare Nut Adapter



MVA518
Ball Nose Adapter



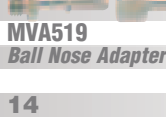
MVA524
Spring Lock Adapter



MVA517
Ball Nose Adapter



MVA525
Spring Lock Adapter



MVA519
Ball Nose Adapter



MVA526
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 #	Description	Application(s)
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
MVA505	1/4"-3/8" Barbed Flex Hose Adapter	Vehicles with 1/4", 5/16", or 3/8" rubber to steel hose connection
	1/4" Flex Hose Adapter	Vehicles with 1/4" rubber to steel hose connection
	5/16" Flex Hose Adapter	Vehicles with 5/16" rubber to steel hose connection
	3/8" Flex Hose Adapter	Vehicles with 3/8" rubber to steel hose connection
MVA513 ¹	M8 x 1.0 Banjo Adapter	Toyota
MVA514 ¹	M10 x 1.0 Banjo Adapter	Toyota
MVA515 ¹	M12 x 1.25 Banjo Adapter	Toyota, Lexus, Geo, Honda, Acura, Hyundai, Mazda, Daihatsu, Chrysler imports
MVA516 ¹	M12 x 1.5 Banjo Adapter	Audi, Volkswagen
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
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

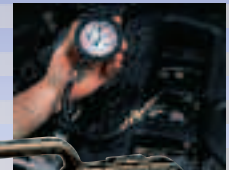


MVA502
U.S. Adapter Kit

Engine Diagnostic Equipment

MV5530 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 2³/₄" (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:

- 2³/₄" (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 6¹/₂" (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)



MV5530

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/cm ²) (20.5 bar) (2,070 kPa)

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



MVA5501



MVA5507

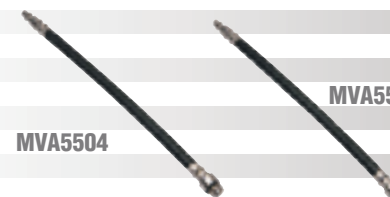


MVA5502



MVA5503

MVA5508



MVA5504

MVA5509



MVA5506

MVA5510

See pages 5 – 6 for our line of Hand Pump Automotive Test Kits

Engine Diagnostic Equipment

MV5532 Digital Compression Test Kit

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

Features:

- Stores maximum compression value for up to 12 cylinders
- Backlit LC display is easy to read from any angle and in any light
- Uses standard 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



MV5532

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

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



Engine Diagnostic Equipment

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)



MV5535

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 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)



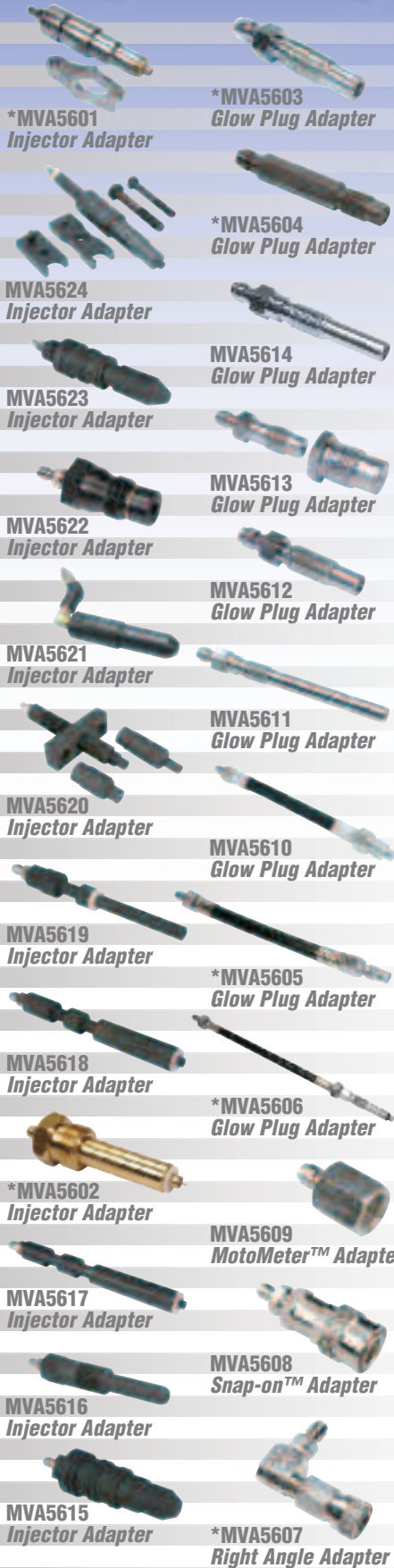
MV5536

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)

See page 18 for diesel adapters sold separately

Engine Diagnostic Equipment



***MVA5601**
Injector Adapter

***MVA5603**
Glow Plug Adapter

MVA5624
Injector Adapter

***MVA5604**
Glow Plug Adapter

MVA5623
Injector Adapter

MVA5614
Glow Plug Adapter

MVA5622
Injector Adapter

MVA5613
Glow Plug Adapter

MVA5621
Injector Adapter

MVA5612
Glow Plug Adapter

MVA5620
Injector Adapter

MVA5611
Glow Plug Adapter

MVA5619
Injector Adapter

MVA5610
Glow Plug Adapter

MVA5618
Injector Adapter

***MVA5605**
Glow Plug Adapter

***MVA5602**
Injector Adapter

***MVA5606**
Glow Plug Adapter

MVA5617
Injector Adapter

MVA5609
MotoMeter™ Adapter

MVA5616
Injector Adapter

MVA5608
Snap-on™ Adapter

MVA5615
Injector Adapter

***MVA5607**
Right Angle Adapter

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
Toyota	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 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)



MV5534

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 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:

- 2³/₄" (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 1 ³ / ₈ " deep (125 mm wide x 305 mm tall x 35 mm deep)
Max. Pressure:	300 psi (21 kg/cm ²) (20.5 bar) (2,070 kPa)



MV5520

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 four (4) scales of measure: bar, psi, kPa, and kg/cm²) with pressure release, quick-change coupler and stem with universal rubber spark plug hole adapter and manual release pressure valve
- User manual (English/Spanish/French)

Specifications:

Packaged Weight:	6.7 oz (190 g)
Size:	6" tall x 2 ³ / ₄ " dia. (150 mm tall x 70 mm dia.) gauge
Max. Pressure:	300 psi (21kg/cm ²) (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:

- 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:	1.0 lb (0.45 kg)
Packaged Size:	5" wide x 12" tall x 1 ³ / ₈ " deep (125 mm wide x 305 mm tall x 35 mm deep)
Max. Pressure:	100 psi (700 kPa)

05511 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 3¹/₂" (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:

- 3¹/₂" (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 1 ³ / ₈ " deep (125 mm wide x 305 mm tall x 35 mm deep)
Max. Pressure:	10 psi (0.7 kg/cm ²)
Max. Vacuum:	28 in. Hg (70 cm Hg)

Cooling System 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 Cooling System Test & Refill Kit

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

Applications:

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

Features:

- Patent pending coupler saves the expense of up to three separate kits by combining pressure, vacuum and temperature testing capabilities
- Tests cooling system with engine on or off to pinpoint leaks or diagnose blown head gaskets, cracked block, or damaged head(s).
- Refills cooling system in minutes without trapping air that can cause overheating
- Components connect using self-locking quick-disconnects for easy and time saving assembly and breakdown.
- Safety valves prevent discharge of pressure and/or hot fluid in case of accidental disconnect
- Built-in valve allows the rapid, safe release of pressure and fluid without waiting for the system to cool
- Includes four 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)
- User's Manual (English, French, Spanish)
- Adapter Selection Guide (English, French, Spanish)



MV4525

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:	1/4" NPT

Cooling System Equipment

MV4530 Cooling System Pressure Test Kit



MV4530

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. For more adapter features, selection details, and vehicle make/model application guide, click on the link above. Cost saving adapter kits are featured below.

Applications:

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

Features:

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

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



MV4529

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

Applications:

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

Features:

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

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 Equipment

MVA4535 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.

Applications:

- Vacuum refilling cooling systems without trapping air
- Vacuum testing for leaks in automotive cooling systems

Features:

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

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)



MVA4535

Specifications:

Packaged Weight:	5.0 lbs (2.3 kg)
Packaged Size:	17.7" x 12.8" x 4.2" (450 mm x 325 mm x 107 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:	1/4" NPT

MVA4610 US/Asian Cap Adapter Kit

The Mityvac MVA4610 US/Asian Cap Adapter Kit contains four adapters for testing the proper function of the radiator and coolant bottle caps on the vast majority of US and Asian manufactured cars and light trucks. These cap adapters compliment the system adapters included with kits MV4525 and MV4530. The pump included with MV4525 or MV4530 is required for pressure testing with these adapters, or crossover adapter MVA400 may be purchased to use these adapters with competitive bayonet style pressure pumps.

Applications:

- Tests the capability of the cooling system cap to hold pressure
- Tests the capability of the cooling system cap to vent pressure at the proper level

Features:

- Custom design ensures an airtight seal with the cooling system cap for reliable results.
- Comfortable molded design makes the adapters lightweight and easy to grip
- Conveniently connects to pump using low-profile quick-connects
- Custom molded case contains space for four additional adapters

Includes:

- MVA200 Bayonet Cap Adapter (US and foreign cars)
- MVA201 Bayonet Cap Adapter (Asian cars)
- MVA202 Bayonet Cap Adapter (Asian cars)
- MVA203 Threaded Cap Adapter (US and foreign cars)
- Custom Molded Case
- User's Manual (English, French, Spanish)
- Adapter Selection Guide (English, French, Spanish)



MVA4610

Specifications:

Packaged Weight:	4.1 lbs (1.9 kg)
Packaged Size:	17.7" x 12.8" x 4.2" (450 mm x 325 mm x 107 mm)

Cooling System Equipment

MVA4620 European System Adapter Kit

MVA4620 contains six cooling system adapters that expand the applications of test kits MV4525 and MV4530 to include a large number of European makes and models of cars and light trucks. This kit contains adapters only, and requires additional equipment included with MV4525 and MV4530 to perform cooling system tests or refill functions. Crossover adapter MVA400 may be purchased to use these adapters with competitive bayonet style testers.

Applications:

- Expands the testing applications of MV4525 and MV4530 to include many European vehicles.
- Adapts test equipment to a vehicle's radiator or coolant bottle for performing cooling system diagnostics, refilling, and airlock elimination.

Features:

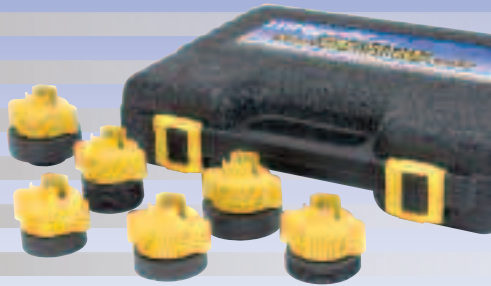
- Each adapter is custom designed to accurately duplicate the coolant bottle cap to ensure an airtight seal with the cooling system.
- Comfortable molded design makes the adapters lightweight and easy to grip
- Adapters use low-profile quick-connects to conveniently connect to test equipment
- Custom molded case contains space for two additional adapters

Includes:

- MVA104 Cooling System Adapter
- MVA105 Cooling System Adapter
- MVA106 Cooling System Adapter
- MVA108 Cooling System Adapter
- MVA109 Cooling System Adapter
- MVA113 Cooling System Adapter
- Custom Molded Case
- User's Manual (English, French, Spanish)
- Adapter Selection Guide (English, French, Spanish)

Specifications:

Packaged Weight:	5.3 lbs (2.4 kg)
Packaged Size:	17.7" x 12.8" x 4.2" (450 mm x 325 mm x 107 mm)



MVA4620

MVA4630 European Cap Adapter Kit

The Mityvac MVA4630 European Cap Adapter Kit contains six adapters for testing the proper function of the coolant bottle caps used on many European manufactured cars and light trucks. The pump included with MV4525 or MV4530 is required for pressure testing with these adapters, or crossover adapter MVA400 may be purchased to use these adapters with competitive bayonet style pressure pumps.

Applications:

- Tests the capability of the cooling system cap to hold pressure
- Tests the capability of the cooling system cap to vent pressure at the proper level

Features:

- For reliable results, each adapter is custom designed to ensure an airtight seal with the cooling system cap
- Comfortable molded design makes the adapters lightweight and easy to grip
- Conveniently connects to pump using low-profile quick-connects
- Custom molded case contains space for two additional adapters

Includes:

- MVA204 Cooling System Cap Adapter
- MVA205 Cooling System Cap Adapter
- MVA206 Cooling System Cap Adapter
- MVA208 Cooling System Cap Adapter
- MVA209 Cooling System Cap Adapter
- MVA213 Cooling System Cap Adapter
- Custom Molded Case
- User's Manual (English, French, Spanish)
- Adapter Selection Guide (English, French, Spanish)

Specifications:

Packaged Weight:	5.2 lbs (2.4 kg)
Packaged Size:	17.7" x 12.8" x 4.2" (450 mm x 325 mm x 107 mm)



MVA4630

Cooling System Equipment

MVA4640 Extended System Adapter Kit

Extended System Adapter Kit MVA4640 contains four cooling system adapters that extend the applications of test kits MV4525 and MV4530 to include additional makes and models of U.S., European, and Asian cars and light trucks. This kit contains adapters only, and requires additional equipment included with MV4525 and MV4530 to perform cooling system tests or refill functions. Crossover adapter MVA400 may be purchased to use these adapters with competitive bayonet style testers.

Applications:

- Expands the testing applications of MV4525 and MV4530 to include many European vehicles.
- Adapts test equipment to a vehicle's radiator or coolant bottle for performing cooling system diagnostics, refilling, and airlock elimination.

Features:

- Each adapter is custom designed to accurately duplicate the coolant bottle cap to ensure an airtight seal with the cooling system.
- Comfortable molded design makes the adapters lightweight and easy to grip
- Adapters use low-profile quick-connects to conveniently connect to test equipment
- Custom molded case contains space for two additional adapters

Includes:

- MVA107 Cooling System Adapter
- MVA110 Cooling System Adapter
- MVA111 Cooling System Adapter
- MVA114 Cooling System Adapter
- Custom Molded Case
- User's Manual (English, French, Spanish)
- Adapter Selection Guide (English, French, Spanish)



MVA4640

Specifications:

Packaged Weight:	4.6 lbs (2.1 kg)
Packaged Size:	17.7" x 12.8" x 4.2" (450 mm x 325 mm x 107 mm)

MVA4650 Extended Cap Adapter Kit

The Mityvac MVA4650 Extended Cap Adapter Kit contains four adapters for testing the proper function of the coolant bottle caps used on additional makes and models of U.S. Asian, and European manufactured cars and light trucks. The pump included with MV4525 or MV4530 is required for pressure testing with these adapters, or crossover adapter MVA400 may be purchased to use these adapters with competitive bayonet style pressure pumps.

Applications:

- Tests the capability of the cooling system cap to hold pressure
- Tests the capability of the cooling system cap to vent pressure at the proper level

Features:

- For reliable results, each adapter is custom designed to ensure an airtight seal with the cooling system cap
- Comfortable molded design makes the adapters lightweight and easy to grip
- Conveniently connects to pump using low-profile quick-connects
- Custom molded case contains space for two additional adapters

Includes:

- MVA207 Cooling System Cap Adapter
- MVA210 Cooling System Cap Adapter
- MVA211 Cooling System Cap Adapter
- MVA214 Cooling System Cap Adapter
- Custom Molded Case
- User's Manual (English, French, Spanish)
- Adapter Selection Guide (English, French, Spanish)






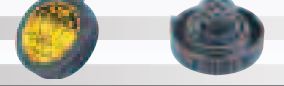





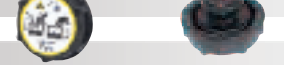
MVA4650

Specifications:

Packaged Weight:	4.5 lbs (2.0 kg)
Packaged Size:	17.7" x 12.8" x 4.2" (450 mm x 325 mm x 107 mm)

Cooling System Equipment

Cooling System Adapter Selection Guide

Radiators and Coolant Bottles with bayonet style neck				
<i>Pressure Cap</i>	<i>System Adapter #</i>	<i>Cap Adapter #</i>	<i>Application(s)</i>	
	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 M-Class), Chrysler Crossfire 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 Equipment

MV4506 Universal Cooling System Adapter

Expand the versatility of standard cooling system pressure testers by adding the Mityvac 4506 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 4506 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:	5 1/4" tall x 2 1/2" diameter (135 mm tall x 65 mm diameter)



MV4506

Application of the Universal Cooling System Adapter

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

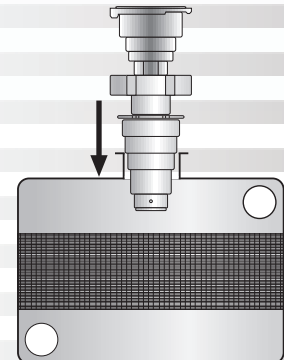


Fig. 1

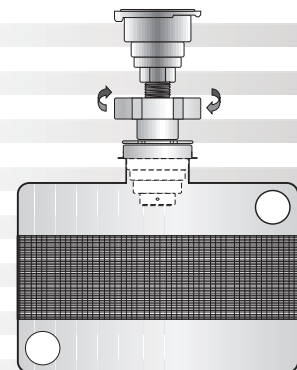


Fig. 2

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.



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:	1.2 lbs (0.5 kg)
Packaged Size:	10 ¹ / ₂ " x 9 ¹ / ₂ " x 2 ³ / ₄ " (265 mm x 240 mm x 70 mm)
Pump Size:	2" dia. x 9" long (50 mm dia. x 230 mm long)



MV7605

MV7605 Hose Clamp

This tool works great for clamping flexible coolant, fuel, vacuum and brake lines or hoses up to 1/2" (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:	1 ¹ / ₂ " x 6 ¹ / ₂ " x 1/4" (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)

Accessories

Hand Vacuum Pumps

MVA6176 Compound Vacuum/Pressure Gauge (PSI/in-Hg)

Durable, high-quality 2" diameter compound vacuum/pressure gauge with accurate gearless diaphragm movement and protective rubber boot. Special stem design allows convenient 360° rotation and easy pin-release removal. Replaces original gauge on all Mityvac Silverline Elite and Selectline models, or additional option for pumps purchased without gauge. Includes locking pin. Indicates 0-30 psi (0-200 kPa) pressure and 0-30 inches of Mercury (0-100 kPa) vacuum.

Specifications:

Weight:	6.1 oz (173 g)
Size:	2 ³ / ₄ " x 1 ¹ / ₂ " x 3 ¹ / ₂ " (70 mm x 40 mm x 90 mm)



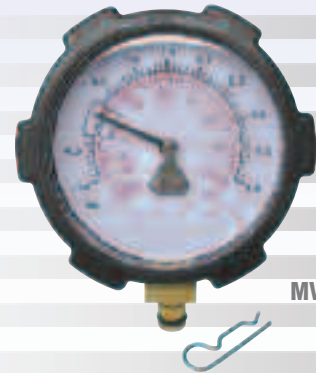
MVA6176

MVA6177 Compound Vacuum/Pressure Gauge (Bar)

Durable, high-quality 2 1/2" diameter compound vacuum/pressure gauge with accurate gearless diaphragm movement and protective rubber boot. Special stem design allows convenient 360° rotation and easy pin-release removal. Replaces original gauge on all Mityvac Silverline Elite and Selectline models, or additional option for pumps purchased without gauge. Includes locking pin. Indicates 0-4 bar (0-60 psi) pressure and -1-0 bar (0-30 inches of Mercury) vacuum.

Specifications:

Weight:	6.1 oz (173 g)
Size:	2 ³ / ₄ " x 1 ¹ / ₂ " x 3 ¹ / ₂ " (70 mm x 40 mm x 90 mm)



MVA6177

MVA6178 Vacuum Gauge

Durable, high-quality vacuum gauge with accurate diaphragm movement. Special stem design allows convenient 360° rotation of gauge and easy pin-release removal. Replaces original gauge on Mityvac line and Selectline hand pumps or additional option for pumps purchased without gauge. Indicates 0-30 inches of Mercury (0-100 kPa) vacuum.

Specifications:

Weight:	6.1 oz (173 g)
Size:	2 ³ / ₄ " x 1 ¹ / ₂ " x 3 ¹ / ₂ " (70 mm x 40 mm x 90 mm)



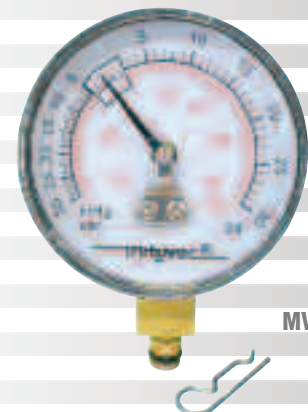
MVA6178

MVA6181 Compound Vacuum/Pressure Gauge

Durable, high-quality compound vacuum/pressure gauge with accurate gearless diaphragm movement. Special stem design allows convenient 360° rotation and easy pin-release removal. Replaces original gauge on all Mityvac Selectline dual vacuum/pressure models. Includes locking pin. Indicates 0-30 psi (0-200 kPa) pressure and 0-30 inches of Mercury (0-100 kPa) vacuum.

Specifications:

Weight:	6.1 oz (173 g)
Size:	2 ³ / ₄ " x 1 ¹ / ₂ " x 3 ¹ / ₂ " (70 mm x 40 mm x 90 mm)



MVA6181

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) 1/4" 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)



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



MVA6005

MVA6005 16 oz Fluid Reservoir Kit

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

Kit includes:

- 16 oz (475 ml) capacity reservoir bottle
- Fluid transfer lid
- Fluid storage lid
- Removable hanging hook
- 1/4" ID x 6" long (6.4 mm ID x 150 mm long) fluid pick-up tube

Specifications:

Weight: 4.4 oz (125 g)



MVA6910

MVA6910 4.5 oz Fluid Reservoir Kit

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

Kit includes:

- 4.5 oz (135 ml) capacity reservoir bottle
- Fluid transfer lid
- Fluid storage lid
- 1/4" ID x 35/8" long (6.4 mm ID x 90 mm long) fluid pick-up tube

Specifications:

Weight: 2.3 oz (65 g)

Accessories

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:

- 1/4" ID x 1 1/2" long (6.4 mm ID x 40 mm long) connection tube
- 5/32" ID x 3" long (4 mm ID x 75 mm long) connection tube
- 1/4" ID x 3 5/8" long (6.4 mm ID x 90 mm long) connection tube
- Rubber cup adapter
- 5/32" ID x 1/4" 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



MVA6912

Specifications:

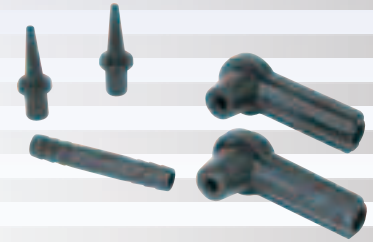
Weight: 0.8 oz (23 g)

MVA6913 Universal Brake Bleed Adapters

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

Kit includes:

- (2) Universal bleed screw adapters
- (2) Tapered bleed adapters
- Brass barbed adapter for connecting to 1/4" (6.4 mm) ID tubing



MVA6913

Specifications:

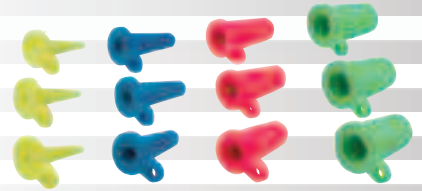
Weight: 0.7 oz (20 g)

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"-1/2" 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:

- 2 1/4" (70 mm) diameter standard mason jar lid
- 3 5/16" (84 mm) diameter wide-mouth mason jar lid
- (2) 1/4" ID x 48" long (6.4 mm ID x 1220 mm long) connection tubes
- Adapters for tubing sizes 1/8"-1/2" OD (3.2 mm-13 mm OD) and 1/4"-3/8" ID (6.4 mm-9.5 mm ID)



MVA6845

Specifications:

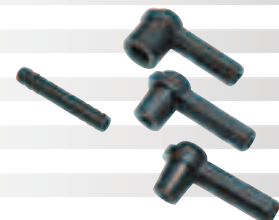
Weight: 6.6 oz (187 g)

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



MVA6008

Specifications:

Weight: 1.0 oz (28 g)

Accessories



MVA6001

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
- 1/4" ID x 1 1/2" long (6.4 mm ID x 40 mm long) connection tube
- 5/32" ID x 3" long (4 mm ID x 75 mm long) connection tube
- (2) 1/4" ID x 3 5/8" long (6.4 mm ID x 90 mm long) fluid pick-up and connection tubes
- Rubber cupped adapter
- 5/32" ID x 1/4" 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
- 2 3/4" (70 mm) diameter mason jar lid
- 3 5/16" (84 mm) diameter wide-mouth mason jar lid
- 1/4" ID x 48" long (6.4 mm ID x 1220 mm long) connection tube
- Adapters for tubing sizes 1/8"-1/2" OD (3.2 mm-13 mm OD) and 1/4"-3/8" ID (6.4 mm-9.5 mm ID)
- 3/8" ID x 48" long (9.5 mm ID x 1220 mm long) connection tube

Specifications:

Weight: 10.3 oz (292 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 1/4" ID (6.4 mm ID) hoses and two universal bleed adapters.

Specifications:

Weight: 7.6 oz (215 g)



MVA6914

MVA6914 Vacuum Pump Case

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

Specifications:

Weight: 1.3 lbs (0.59 kg)

Size: 12" x 8" x 3 3/8" (305 mm x 205 mm x 85 mm)



MVA6006

Fluid Evacuators

MVA6006 Extended Tube Kit

Extends the reach of Mityvac fluid evacuators models 07400, 07300 and 07201 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.

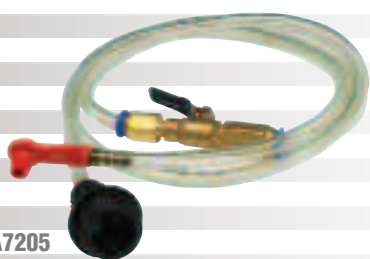
Kit includes:

- 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:

Weight: 12.8 oz (365 g)

Carton Size: 13" x 13" x 2" (330 mm x 330 mm x 50 mm)



MVA7205

MVA7205 Brake Bleed Conversion Kit

The 07205 quickly connects to Mityvac models 07400, 07300 or 07201 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:

Weight: 9.3 oz (265 g)

Size: 8" x 12" x 1 1/2" (150 mm x 305 mm x 65 mm)

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