

# mityvac®

www.mityvac.com

## **Mityvac Cooling System Test & AirEvac Kits**

*Mityvac offers three cooling system test and refill kits with innovative features that make them more reliable and simple to use:*

**MV4525 Cooling System Test & Refill Kit**

**MV4530 Cooling System Pressure Test Kit**

**MV4535 Cooling System AirEvac Kit**

*These kits represent the beginning of an advanced generation of new cooling system diagnostic equipment designed for the professional mechanic.*



**MV4525**



**MV4530**



**MV4535**

Visit  
**www.mityvac.com**  
for more details

# MV4525 Cooling System Test & Refill Kit

**Performs pressure, vacuum & temperature diagnostics and refills cooling systems in minutes.**

**The MV4525 is the most innovative, advanced automotive cooling system tester ever designed. It is the first and only tester developed specifically to run complete cooling system diagnostics with the engine running 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.**

## Engine "On" Testing

With the engine on, monitor temperature, pressure and vacuum simultaneously to quickly and accurately diagnose a blown head gasket, or cracked or damaged block or head. Also diagnose faulty components such as a thermostat, fan switch/relay, or cooling sensor. When testing is complete, use the built in valve to safely drain off pressure and hot fluid without having to wait for the engine to cool.

## Engine "Off" Testing

With the engine off, apply pressure or vacuum to quickly locate leaks, or use vacuum to refill the entire cooling system in minutes without trapping air.

## Kit Includes

- Pressure pump
- Four (4) adapters for testing cooling systems on most Domestic and Asian vehicles
- Compressed-air-operated Venturi Vacuum
- Compound Pressure/Vacuum Gauge
- Valve Coupler
- Temperature Probe
- Hose Clip
- 5' (1.5 m) Coolant Refill Hose
- (2x) 30" (760 mm) Extension Hose
- Drain Hose
- Adapter Wrench
- Custom Molded Case
- User's Manual



# MV4535 Cooling System AirEvac Kit

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

## Kit Includes

- 2-1/2" (65 mm) diameter diaphragm style vacuum gauge
- Compressed-air-operated Venturi Vacuum
- Valve Coupler
- Universal Cooling System Adapter
- (2x) 30" (760 mm) Extension Hose
- 5' (1.5 m) Coolant Refill Hose
- Custom Molded Case



## **MV4530 Cooling System Pressure Test Kit**

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

### **Kit Includes**

- Pressure pump with 2' (610 mm) hose and push-button pressure relief valve
- Four (4) adapters for testing cooling systems on most Domestic and Asian vehicles
- Adapter Wrench
- Custom Molded Case
- User's Manual



**Works with your existing bayonet-style adapters**

**Compact quick-connect forms a safe, leak-proof connection between the pump and adapter**

**Custom designed to form an airtight seal with the radiator or coolant bottle**

**Hex shaped shield protects the connector and accepts wrench to loosen over-tightened adapters**

**Comfortable molded shape and knurled surface ensure a positive non-slip grip**

**System and Cap adapters are color differentiated**



**Pressure test ranges printed directly on the gauge face**

**Rubber boot surrounds and protects pressure gauge**

**Safe and convenient thumb-operated pressure relief valve**

**Machined aluminum body withstands shop abuse**

**Large volume capacity reduces time and strokes required to pressurize cooling system**

# Adapter Application Reference

Mityvac offers fifteen (15) custom fit cooling system adapters that expand the applications of the MV4525 and MV4530 kits to include virtually every make and model of US, Asian and European manufactured car and light truck. Fourteen (14) cap test adapters are also available for testing the function of cooling system pressure caps. All adapters are sold separately or in kits according to the chart below.



**MVA4610 U.S. Domestic/Asian Cap Adapter Kit**



**MVA4620 European System Adapter Kit**



**MVA4630 European Cap Adapter Kit**



**MVA4640 Extended System Adapter Kit**



**MVA4650 Extended Cap Adapter Kit**



**MVA400 Crossover Adapter converts Mityvac adapters for use with competitive cooling system testers.**

Adapter No.	Adapter Type	Application(s)	MV4525	MV4530	MVA4610	MVA4620	MVA4630	MVA4640	MVA4650
MVA100 MVA200	SYSTEM CAP	Original large bayonet style used on most early model autos. Still used on many apps. through current year.	X	X	X				
MVA101 MVA201	SYSTEM CAP	Small bayonet applications with 16mm deep neck. Numerous applications including many Asian autos.	X	X	X				
MVA102 MVA202	SYSTEM CAP	Small bayonet applications with 9mm deep neck. Numerous applications including many Asian autos.	X	X	X				
MVA103 MVA203	SYSTEM CAP	Numerous domestic applications especially GM beginning in early 1990s through current year. Also some Mercedes, Jaguar, and Ford.	X	X	X				
MVA104 MVA204	SYSTEM CAP	Volkswagen and Audi models 1975 through 1993 w/external thread on coolant bottle.				X			
MVA105 MVA205	SYSTEM CAP	Peugeot 206/406, Volvo, Land Rover Freelander, Alfa Romeo 164, Renault, Mini, Jeep, Sterling, Saab w/ external thread on coolant bottle.				X	X		
MVA106 MVA206	SYSTEM CAP	Volkswagen models 1990-1998 w/ internal thread on coolant bottle.				X	X		
MVA107 MVA207	SYSTEM CAP	Porsche, Mercury, Saturn, Saab, Jaguar, Range Rover, Pontiac, Daewoo, Ford.						X	X
MVA108 MVA208	SYSTEM CAP	Volkswagen and Audi models 1998 and later w/internal thread on coolant bottle.				X	X		
MVA109 MVA209	SYSTEM CAP	Mercedes E-Class 1996 and later, Mercedes w/ external thread on coolant bottle (except MClass), Chrysler Crossfire 2004 and later.				X	X		
MVA110 MVA210	SYSTEM CAP	Ford Focus and Escape, Jaguar XK8 and XJ8.						X	X
MVA111 MVA211	SYSTEM CAP	Toyota MR2 Spyder and Celica 2000 and later.						X	X
MVA112 MVA207	SYSTEM CAP	BMW through 1987, Merkur Scorpio 1987-1989							X
MVA113 MVA213	SYSTEM CAP	BMW 1998 through 2002 w/ external thread on coolant bottle, Land Rover Range Rover 1995 through 1997.				X	X		
MVA114 MVA214	SYSTEM CAP	Mazda 3						X	X

## 04505 Universal Cooling System Adapter

Expand the versatility of standard cooling system pressure testers by adding the Mityvac 04505 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 04505 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)



04505