

Cooling System Equipment

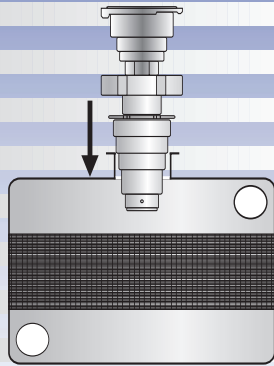


Fig. 1

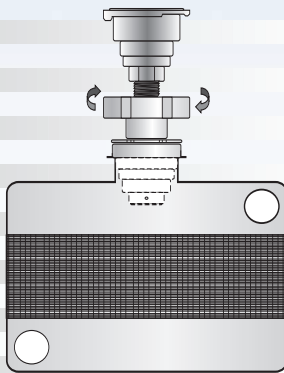


Fig. 2

Cooling System Test & Evacuation Equipment

All Mityvac cooling system test, evacuation and refill equipment utilize our specially designed universal cooling system adapter that conveniently adapts to a wide variety of cars, trucks and SUVs. Capable of replacing numerous specialized radiator and expansion tank adapters, our flexible stepped design provides the most economical, efficient means for performing routine testing and maintenance on automotive cooling systems.

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.

04700 AirEvac Cooling System Vacuum Purge & Refill Kit

New, sleeker automotive designs often place the radiator below the engine, creating the potential for air to become trapped in the engine block or cylinder head(s) causing the engine to overheat. The Mityvac AirEvac Kit combines our universal cooling system adapter with a compressed-air-operated venturi vacuum to quickly eliminate trapped air by purging and refilling the cooling system under vacuum. Equipped with a flow control valve, our unique design allows the operator to vacuum purge the cooling system, hold the vacuum in order to monitor the cooling system for leaks and then refill it using the same vacuum.

Features:

- Universal design fits most automotive radiators and expansion tanks
- Flow control valve for maintaining system vacuum
- Muffled, venturi-style vacuum for quiet operation
- Professional-grade diaphragm gauge with protective rubber boot
- Durable brass and aluminum construction

Includes:

- Universal cooling system adapter with:
 - Diaphragm gauge with rubber boot protector, 0 - 30 inches Hg (0 - 100 kPa) vacuum
 - Brass flow control valve
 - Quick-connect coupler
- Venturi-style vacuum generator with muffler
- Coolant refill hose with inlet screen
- 3-piece rubber adapter kit for micro-neck and x-large neck applications
- Blow-molded case
- User manual (English/French/Spanish)

Specifications:

Packaged Weight:	3.2 lbs (1.6 kg)
Packaged Size:	12" x 8" x 3 3/8" (305 mm x 203 mm x 85 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 (85 kPa) @ 120 psi (8.3 bar) inlet pressure
Air Inlet Size:	1/4" NPT



04700

Cooling System Equipment

04520 Universal Cooling System Pressure Test Kit

Utilizing the Mityvac Universal Cooling System Adapter and a hand pressure pump, this kit is ideal for diagnosing a wide variety of cooling system-related functions. Its unique design allows simultaneous monitoring of temperature and pressure crucial for accurately detecting and/or troubleshooting: damaged head(s) or block, blown head gasket(s), thermostat operation, electric fan system functions, leaking radiators, reservoirs and hoses.

Features:

- Universal design fits most automotive radiators and expansion tanks
- Performs simultaneous monitoring of pressure and temperature
- Color-coded gauge for easy reading and diagnosis
- Automatic pressure-relief valve
- Compatible for use with specialized radiator and pressure cap testing adapters

Includes:

- Universal cooling system adapter with brass shuttle valve and pressure hose assembly with quick-connect
- Repairable hand-held pressure pump with 0 - 30 psi (0 - 200 kPa) gauge, rubber boot protectors and quick-connect coupler
- Temperature probe (Fahrenheit/Celsius)
- Custom-fit blow-molded case
- User manual (English/French/Spanish)

Specifications:

Packaged Weight:	2.9 lbs (1.3 kg)
Packaged Size:	12" x 8" x 3 ³ / ₈ " (305 mm x 205 mm x 85 mm)
Max. Pressure:	30 psi (200 kPa)
Max. Temperature:	400°F (200°C)



04520

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