

Hand Vacuum/Pressure Pumps

mityvac®

www.mityvac.com

Pump Options

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

Metal or PVC

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

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

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

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

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

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

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

With or Without a Gauge

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

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

Standard or Dual Converter

Many applications for Mityvac hand pumps require pressure rather than vacuum. For example, a turbocharger wastegate requires pressure to test for proper function and accuracy. It's also convenient for testing cooling systems to determine the source of leaks that can lead to overheating and severe engine damage. To fulfill the needs of modern service technicians, Mityvac Selectline and Silverline dual pressure/vacuum pumps offer a switch that allows the operator to alternate between vacuum and pressure at the front port. These pumps include a compound gauge that indicates both pressure and vacuum levels.

Standard or Superpump

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

Our standard pump displaces 1 cu. in. (16 cc) per stroke, ideal for transferring volumes of fluid less than 1 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.



MV8510

MV8010



MV8030

MV8255



MV8010

MV8255

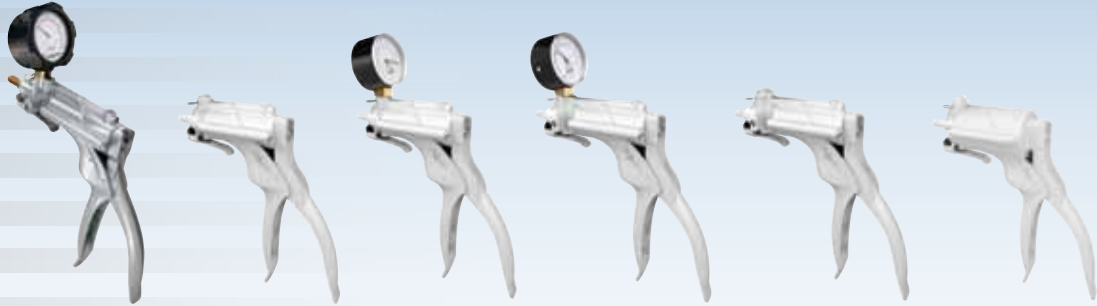


MV8030

MV8121

Hand Vacuum/Pressure Pumps

Mityvac offers a selection of six basic hand-held vacuum/pressure pump models, one Silverline and five Selectline. Each is featured in the chart below, and differentiated by a combination of features and options described on the previous pages. By offering such a wide selection, you can maximize the value and performance of your hand pump by choosing the exact features that best meet the requirements of your application.



Model No.	MV8510	MV8030	MV8010	MV8255	MV8257	MV8121
Description	Silverline Vacuum/Pressure Pump, 16cc w/ gauge	Selectline Vacuum Pump, 16cc	Selectline Vacuum Pump, 16cc, w/ gauge	Selectline Vacuum Pump, 16cc, w/ gauge, DC	Selectline Vacuum Pump, 16cc, DC	Selectline Superpump Vacuum Pump, 32cc
Material	Zinc/Aluminum	PVC				
Vol./Stroke	1 cu. in. (16cc)					2 cu. in. (32cc)
Gauge ¹	Yes	No	Yes		No	
Dual Converter ²	Yes	No		Yes		No
Weight	2.5 lbs (1.3 kg)	6.9 oz (194 g)	11 oz (313 g)	11.5 oz (326 g)	12.2 oz (345 g)	11.7 oz (332 g)
Max. Vacuum	25 in Hg (85 kPa)					
Max. Pressure ²	30+ psi (207+ kPa)	N/A		30 psi (207 kPa)		N/A
Maintenance Kit ³	MVM8900	MVM8901		MVM8903		MVM8902
Replacement Gauge	MVA6176	N/A	MVA6178	MVA6181	N/A	

¹ Mityvac vacuum gauges are scaled 0 - 30 inches of Mercury (0 - 100 kPa). Compound gauges included on dual vacuum/pressure converter pumps are scaled 0 - 30 psi (0 - 200 kPa) pressure, and 0 - 30 inches of Mercury (0 - 100 kPa) vacuum.

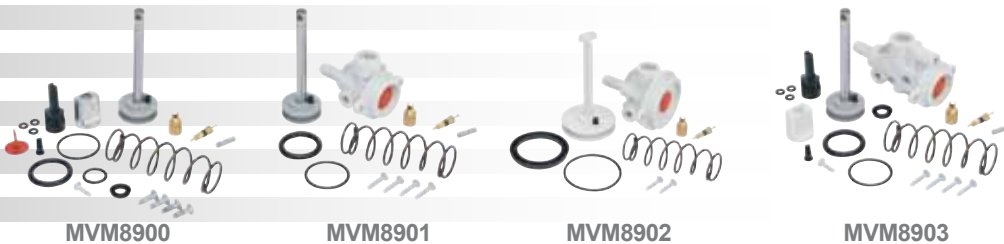
² All Mityvac pumps produce vacuum at the front port. Dual converter pumps are capable of producing vacuum or pressure at the front port. A rotating knob on the side of the pump allows the operator to switch between vacuum and pressure. Dual converter pumps include a compound gauge for indicating levels of both.

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

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

**All Mityvac pump vacuum/pressure ports fit standard 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.



Service Kits for Discontinued Hand Pump Models

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



MVA6176



MVA6178



MVA6181

Hand Pump 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
- Turbcharger wastegates
- Carburetor adjustments and service
- Vacuum actuated accessories

Silverline Pump Kit

MV8500 Silverline Elite Automotive Kit

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

Features/Benefits

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

Kit Includes:

- Silverline Elite hand vacuum/pressure pump (Model 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 7-10 for hand pump accessories.

Hand Pump Kits

Selectline Pump Kits

MV8000 Automotive Tune-up and Brake Bleeding Kit

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

Kit Includes:

- Selectline hand vacuum pump (Model No. MV8010) with 2" (50 mm) gauge
- 4.5 oz. (135 ml) fluid reservoir bottle w/ fluid transfer and storage lids
- 4 Tapered adapters for connecting to tubing from .09" (2.3 mm) to .50" (13 mm) ID
- 2 Tapered manifold plugs
- 2 Tapered bleed screw adapters
- 2 Universal bleed screw adapters
- Vacuum line T-adapter
- 3/32" (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
- 3/32" (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)



MV8000



MV8020

See pages 7-10 for
hand pump accessories

Mityvac

Hand Pump Accessories

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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)



MVA6005

MVA6910 4.5 oz Fluid Reservoir Kit

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

Kit includes:

- 4.5 oz (135 ml) capacity reservoir bottle
- Fluid transfer lid
- Fluid storage lid
- 1/4" ID x 3 5/8" long (6.4 mm ID x 90 mm long) fluid pick-up tube

Specifications:

Weight: 2.3 oz (65 g)



MVA6910

MVA6001 Fluid Transfer Kit

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

Includes:

- 4.5 oz (135 ml) capacity reservoir bottle with fluid transfer and storage lids
- 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
- 1/4" 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 5/8" (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)



MVA6001

Hand Pump Accessories



MVA6000

MVA6000 Complete Automotive Accessory Kit

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

Includes:

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

Specifications:

Weight: 14.8 oz (420 g)



MVA660



MVA660 Power Steering AirEvac Adapter

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

Specifications:

Weight: 3.2 oz (90 g)

Packaged Size: 1.6" diameter x 3" tall (40 mm x395 mm)

MVA360



MVA360 Cooling System Test Hose

Allows Mityvac hand pressure pumps to be used with any of the MVA100 and MVA200 series cooling system test adapters (see page 34) to test automotive cooling systems and cooling system caps for leaks that can lead to overheating and severe engine damage.

Specifications:

Weight: 5.2 oz (150 g)

MVA6007



MVA6007 Dual Adapter Bleed Kit

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

Specifications:

Weight: 7.6 oz (215 g)

MVA6912



MVA6912 Automotive Test Adapter Kit

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

Kit includes:

- ¼" ID x 1½" long (6.4 mm ID x 40 mm long) connection tube
- ⅝" ID x 3" long (4 mm ID x 75 mm long) connection tube
- ¼" ID x 3⅝" long (6.4 mm ID x 90 mm long) connection tube
- Rubber cup adapter
- ⅝" ID x ¼" ID (4 mm ID x 6.4 mm ID) tubing adapter
- (4) Tapered adapters for connecting to tubing from .090" to .50" ID (2.3 mm to 12.7 mm ID)
- (2) Tapered manifold plugs

Specifications:

Weight: 0.8 oz (23 g)

Hand Pump Accessories

MVA6913 Universal Brake Bleed Adapters

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

Kit includes:

- (2) Universal bleed screw adapters
- (2) Tapered bleed adapters
- Brass barbed adapter for connecting to ¼" (6.4 mm) ID tubing

Specifications:

Weight: 0.7 oz (20 g)



MVA6913

MVA6004 Vacuum Line Caps

Contains 12 rubber caps for plugging vacuum lines while performing in-line vacuum and pressure tests. Caps are color coded for easy line identification and tapered for plugging lines from 5/32"-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:

- 2¼" (70 mm) diameter standard mason jar lid
- 3½" (84 mm) diameter wide-mouth mason jar lid
- (2) ¼" ID x 48" long (6.4 mm ID x 1220 mm long) connection tubes
- Adapters for tubing sizes 1/8"-1/2" OD (3.2 mm-13 mm OD) and ¼"-3/8" ID (6.4 mm-9.5 mm ID)

Specifications:

Weight: 6.6 oz (187 g)



MVA6845

MVA6008 Diesel Fuel Primer Kit

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

Includes:

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

Specifications:

Weight: 1.0 oz (28 g)



MVA6008

Hand Pump Accessories



MVA6825

MVA6825 Master Cylinder Refill Kit

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

Kit includes:

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

Specifications:

Weight: 4.7 oz / 135 g



MVA6832

MVA6832 Clamp-on Auto-refill Kit

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

Features:

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

Includes:

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

Specifications:

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



MVA6834

MVA6834 Plate-style Auto-refill Upgrade Kit

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

Features:

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

Includes:

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

Specifications:

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