



RED LION

WASTEWATER & MULTI-PURPOSE

PRODUCTS





Red Lion Pumps

With over 80 years of experience, Red Lion is the leader in water transfer pumps. Count on Red Lion to help you select the best wastewater pump for your needs.

What does a Sump Pump do?

A sump pump removes standing water from the sump basin in a basement or crawl space. When the water reaches a certain level, the sump pump turns on and removes the water through a discharge pipe or hose.

A sump pump can also be used in other applications for general dewatering, storm shelters, and performing emergency water transfer. Installing a sump pump is easy and can be completed using simple household tools in about 30 minutes.

Why do you need a Sewage Pump?

A necessity for homes with basement toilets or those without gravity sewage drains provided by the community, a sewage pump lifts flushable waste up to 2" diameter from the sewage basin into the main sewer line. Red Lion submersible sewage pumps handle the tough and demanding tasks of sewage waste transfer with efficiency and dependability. Installation takes as little as 30 minutes using common household tools.

What do you need a Multi-Purpose Pump for?

Utility and multi-purpose pumps are used for a complete range of household applications. Typically, they are used for removing water, boosting water pressure, watering lawns, and many other uses.

Red Lion offers both submersible and non-submersible utility and multi-purpose pumps.



RED LION®



SUMP PRODUCTS





Two Basic Types of Sump Pumps

Pedestal Sump Pumps – The motors are located far above the base. Motors must not be submerged under water leaving the motor exposed to the environment.

Submersible Sump Pumps – Since these pumps are submerged under water and are hidden within the sump basin, they are quieter and more efficient than pedestal pumps. These pumps come equipped with various switch styles to accommodate your needs, preferences, and space limitations.

Questions to Answer Before Selecting Your Pump

1. What type of pump do you currently have?



Pedestal Sump Pump

This pump effectively removes water from the sump pit, but is susceptible to damage in flooding situations as it is exposed above the sump basin. A pedestal pump can easily be replaced by a submersible pump.



Submersible Sump Pump

These pumps are submerged under water. A submersible pump can replace a pedestal pump and is more efficient.

Never use a sewage pump for a sump pump application. The sewage pump will cycle on and off too frequently which can shorten the life of the motor.

2. What is the size of your current pump?

You will want to choose a pump that has at least the same horsepower as your current pump. If the horsepower isn't clearly identified on the nameplate, the model number of the product can help you determine it. Model numbers that contain 25 will most likely be a 1/4 hp pump. If the model number contains a 3 or 33 it will most likely be 1/3 hp. If the model number contains a 5 or 50 it will most likely be a 1/2 hp model. If the model number contains a 7 or 75 it will most likely be 3/4 hp. If the model number contains a 1 or 100 it will most likely be 1 hp. To provide superior protection against heavy rain or flooding situations, step up in horsepower for more peace of mind.

HP	Light	Average	High Volume
	1/4	1/3	1/2

Type of Switch

There are three types of switches that Red Lion offers on their sump pumps. All offer reliability, effectiveness, and provide efficient service in moving large volumes of water.



Tethered Float Switch

The tethered float switch is a buoy device attached with a cord that raises and lowers with the water level, activating a switch inside the pump telling it to turn on, drain the water, and then turn off once water level has subsided.



Vertical Float Switch

The vertical float switch is a buoy device attached with a rod that raises and lowers with the water level, activating a switch attached outside the pump telling it to turn on, drain the water, and then turn off once the water level has subsided. This style allows for installation in confined areas.



Snap-Action Float Switch

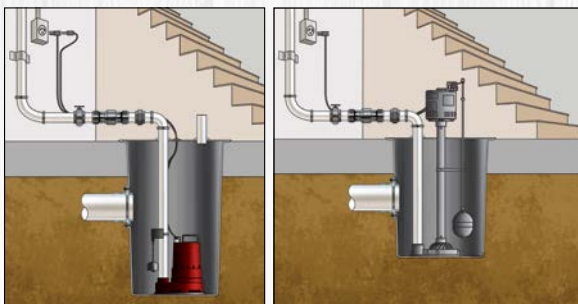
The snap-action float switch is a contractor-preferred switch built into the pump. It's designed for confined areas, but unlike a traditional vertical float switch, debris can't hinder operation so it is suitable for both sump and effluent applications. The switch features a solid float that will never become waterlogged.



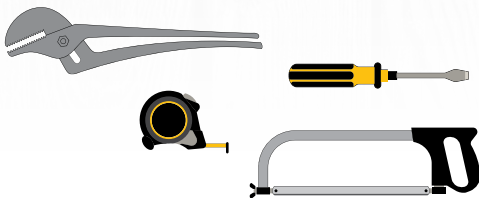
Pump Housing

Depending on the model, Red Lion pump housings are constructed with reinforced thermoplastic, cast iron, or stainless steel. While all models feature quality material and workmanship, the reinforced thermoplastic housing is corrosion- and rust-resistant. The cast iron housing is stronger, heavier, and more durable. The premium stainless steel models combine corrosion resistance with the strength and durability of the cast iron housing, and features the longest warranty.

Typical Installations



Tools needed



Submersible Stainless Steel Sump Pumps

Ideal for high-volume water removal in residential spaces such as basements, laundry facilities, and crawl spaces. These pumps are designed for aggressive water conditions.

- Automatic submersible sump pump
- Heavy-duty corrosion-resistant stainless steel and cast iron construction
- Clog-resistant design (3/4" semi-solids handling)
- Piggyback float switch
- 1-1/2" FNPT discharge*



Item #	Model	HP	Switch	Gallons per Hour at 0'	Shut-Off	Cord	Amps	Basin Diameter
14942780	RL-SS50V	1/2	Vertical	3450	25'	10'	5.0	11" or more
14942781	RL-SS50T	1/2	Tethered	3450	25'	10'	5.0	18" or more
14942782	RL-SS100T	1	Tethered	5300	36'	20'	8.0	18" or more

* RL-SS100T has a 2" FNPT discharge and comes with a 1-1/2" FNPT adapter.

Snap-Action Cast Iron Sump/Effluent Pumps

Ideal for average-to-high volume water and effluent removal in residential spaces such as basements, laundry facilities, and crawl spaces.

- Automatic submersible cast iron sump/effluent pump
- 1-1/2" FNPT discharge
- Integrated, contractor-preferred, snap-action float switch
- Solid float will never become waterlogged
- Built-in rod protection prevents float from contacting basin
- Clog-resistant design (1/2" semi-solids handling)
- 10' cord



Item #	Model	HP	Gallons per Hour at 5'	Shut-Off	Amps	Basin Diameter
14942652	RL-33SC	1/3	3200	26'	5.0	18" or more
14942653	RL-50SC	1/2	4000	36'	6.5	18" or more



Cast Iron Sump Pumps

Ideal for average-to-high volume water removal in residential spaces such as basements, laundry facilities, and crawl spaces.

- Automatic submersible sump pump
- 1-1/2" FNPT discharge
- Piggyback float switch
- Clog-resistant design (3/8" semi-solids handling)
- PSC motor
- 10' cord



Item #	Model	HP	Switch	Gallons per Hour at 0'	Shut-Off	Amps	Basin Diameter
14942744	RL-SC33T	1/3	Tethered	3300 gph	25'	4.3	18" or more
14942745	RL-SC33V	1/3	Vertical	3300 gph	25'	4.3	15" or more
14942746	RL-SC50T	1/2	Tethered	4300 gph	28'	5.3	18" or more
14942747	RL-SC50V	1/2	Vertical	4300 gph	28'	5.3	15" or more

1/3 HP Dual Cast Iron Sump Pump System

Ideal for average-to-high volume water removal in residential spaces such as basements, laundry facilities, and crawl spaces. This system offers worry-free operation, providing you with a back-up pump and double the flow rate when needed.*

- Dual automatic submersible sump pumps
- Pre-assembled piping and check valves included
- Maximum head of 25'
- 10' power cord
- 1-1/2" FNPT discharges
- Piggyback float switches
- Clog-resistant design (3/8" solids handling)
- PSC motors



Item#	Model	HP	Switch	Basin Diameter
14942771	RL-SC33DUP	1/3	Vertical	18" or more

Operation Mode	Gallons per Hour at 0'	Amps	Shut-Off
Single Pump	3350	4.3	25'
Dual Pump	6000	8.6	

* Friction loss in pipe not included



Thermoplastic Sump Pumps

Ideal for light-to-high volume water removal in residential spaces such as basements and crawl spaces.

- Automatic submersible sump pumps
- 1-1/2" FNPT discharge with 1-1/4" FNPT adapter included Piggyback float switch
- PSC motor and closed vane impeller design
- 1/8" semi-solids handling
- 8' cord
- Double seal system



Item #	Model	HP	Switch	Gallons per Hour at 0'	Shut-Off	Amps	Basin Diameter
14942739	RL-SP25T	1/4	Tethered	2900	23'	6.0	14" or more
14942740	RL-SP33T	1/3	Tethered	3200	25'	4.4	14" or more
14942741	RL-SP33V	1/3	Vertical	3200	25'	4.4	11" or more
14942742	RL-SP50T	1/2	Tethered	3600	28'	4.4	14" or more
14942743	RL-SP50V	1/2	Vertical	3600	28'	4.4	11" or more

Pedestal Sump Pumps

Ideal for average water removal in residential spaces such as basements and crawl spaces.

- Automatic pedestal sump pumps (column style)
- Poly or cast iron models available
- Adjustable snap action float switch
- Clog-resistant design
- 8' cord



SC33PED



Item #	Model	HP	Volute	Gallons per Hour at 0'	Shut-Off	Amps	Basin Diameter
14942050	SP33PED	1/3	Thermoplastic	3300	17'	4.0	11" or more
14942051	SC33PED	1/3	Cast Iron	3500	17'	4.0	11" or more



Under-Sink Sump Package

Ideal for water removal from impractical gravity drainage areas and residential spaces such as under sinks and laundry trays.

- 1/3 hp sump pump
- Engineered thermoplastic construction
- 6 gallon polypropylene basin
- Pre-assembled water removal system
- Up to 3200 gph
- 8' cord



Item #	Model	HP	Switch	Gallons per Hour at 0'	Shut-Off	Amps	Basin Size
14942736	RL-SPS33	1/3	Vertical	3200	25'	4.4	6 gallon

Back-up Sump System

Provides emergency protection from water damage due to primary sump pump failure or power outages in residential areas such as basements and crawl spaces.

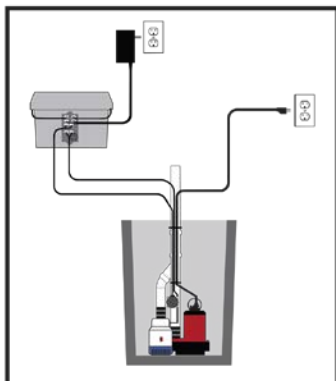
- Automatic sump pump back-up system
- 12 V DC/980 mA battery charger alarm
- System includes charger, pump, 1-1/2" street elbow, 1-1/2" check valve, 1-1/2" coupling, battery box, and 12 V DC pump control switch



* Not for sale in California

Item #	Model	Switch	Gallons per Hour at 0'	Shut-Off	Amps	Basin Diameter
14942792	RL-SPBS	Diaphragm	2500	20'	14	18" or more

Recommended Installation





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EFFLUENT/SEWAGE PRODUCTS



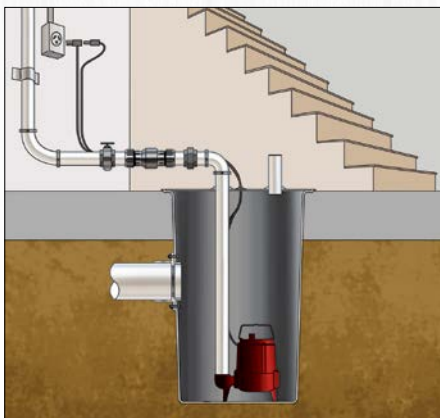


Replacing an Existing Sewage or Effluent Pump

1. Determine the size of your current pump. Check the identification plate to determine the horsepower (hp) needed. If the horsepower isn't clearly identified on the nameplate, the model number of the product can help you determine it. Model numbers that contain a 5 or 50 will most likely be a 1/2 hp model. If the model number contains a 7 or 75 it will most likely be 3/4 hp. If the model number contains a 1 or 100 it will most likely be 1 hp. Generally, you will want to select a pump with the same horsepower as your current pump.
2. Determine the size and type of discharge pipe you have. Sewer lines are 2" in diameter or larger, so it is important to measure the line. Ensure the discharge size on the pump matches the discharge pipe you have.
3. If you have recently added plumbing fixtures (such as a bathroom addition), please call our technical support hotline and they can assist you in finding the correct size pump for your needs.

Never use a sewage pump for a sump pump application. The sewage pump will cycle on and off too frequently which can shorten the life of the motor.

Typical Installation



Tools needed





Snap-Action Cast Iron Sump/Effluent Pump

Ideal for average-to-high volume water and effluent removal in residential spaces such as basements, laundry facilities, and crawl spaces.

- Automatic submersible cast iron sump/effluent pump
- 1-1/2" FNPT discharge
- Integrated snap-action float switch
- Solid float will never become waterlogged
- Built-in rod protection prevents float from contacting basin
- Clog-resistant design (1/2" semi-solids handling)
- 10' cord



RL-50SC

RL-33SC

Item #	Model	HP	Gallons per Hour at 5'	Shut-Off	Amps	Basin Diameter
14942652	RL-33SC	1/3	3200	26'	5.0	18" or more
14942653	RL-50SC	1/2	4000	36'	6.5	18" or more

Submersible Stainless Steel Effluent Pumps

Ideal for high-volume water and effluent removal in residential spaces such as basements, laundry facilities, and crawl spaces. These pumps are designed for aggressive water conditions.

- Automatic submersible effluent pump
- Heavy-duty corrosion-resistant stainless steel and cast iron construction
- Clog-resistant design (3/4" solids handling)
- Piggyback float switch
- 1-1/2" FNPT discharge*



RL-SS100T*

RL-SS50T

Item #	Model	HP	Switch	Gallons per Hour at 0'	Shut-Off	Cord	Amps	Basin Diameter
14942781	RL-SS50T	1/2	Tethered	3450	25'	10'	5.0	18" or more
14942782	RL-SS100T	1	Tethered	5300	36'	20'	8.0	18" or more

* RL-SS100T has a 2" FNPT discharge and comes with a 1-1/2" FNPT adapter.



Heavy-Duty Cast Iron Effluent Pump

Ideal for liquid effluent pumping applications, as well as light commercial applications with up to 1 1/16" diameter solids.

- 1/3 hp 115 V thermal overload protected continuous-duty motor
- Rugged cast iron construction
- Heavy-duty cast iron pump base and impeller
- Automatic piggyback float switch
- 2" NPT discharge



Item #	Model	HP	Amps	Gallons per Hour at 5'	Shut-Off	Cord	Min. Basin Diameter
620040	RL31EA	1/3	10.4	6300	28'	20'	18" or more

Cast Iron Surface Effluent Pump

Ideal for pumping liquid from septic tanks, as well as pumping out flooded basements, irrigation, and general dewatering.

- Non-submersible effluent pump with built-in check valve
- Rugged cast iron casing
- Heavy-duty 115/230 V motor
- Cast iron impeller
- 1-1/4" FNPT intake and discharge



Item #	Model	HP	Amps	Gallons per Hour at 20'	Shut-Off
621810	RL-S50	1/2	12 @ 115 V 6 @ 230 V	2700	49'
621826	RL-S75	3/4	12 @ 115 V 6 @ 230 V	3480	56'



Heavy-Duty Cast Iron Sewage Pump

Ideal for raw sewage applications, as well as light commercial applications with up to 2" diameter solids.

- 1/2 hp 115 V thermal overload protected motor
- Rugged cast iron construction
- Heavy-duty cast iron pump base and impeller
- Automatic piggyback float switch



Item #	Model	HP	Amps	Gallons per Hour at 5'	Shut-Off	Cord	Discharge	Min. Basin Diameter
620043	RL52SA	1/2	11.6	8100	23'	20'	2" NPT	18" or more

Cast Iron Sewage Pumps

Ideal for high volume sewage and effluent removal applications.

- Automatic submersible cast iron sewage pump
- PSC dual bearing motor with overload protection
- Capable of passing up to 2" diameter solids
- Piggyback tethered float switch



Item #	Model	HP	Amps	Gallons per Hour at 0'	Shut-Off	Cord	Basin Diameter
14942748	RL-WC50TA	1/2	9.0	5600	22'	10'	18" or more
620051	RL52WAM	1/2	11.4	9000	22'	20'	18" or more
14942635	RL75WAM	3/4	10.3	10500	28'	10'	18" or more



Sewage Basin Systems

Ideal for the collection and removal of sewage, effluent, drainage or seepage water from low lying areas.

- Available with 18" x 30" or 24" x 24" polyethylene basin
- 2" full-flow sewage check valve
- Cover assembly and hardware
- Includes 1/2 hp sewage pump
- Discharge pipe - pump to basin cover
- Heavy-duty cast iron pump base and impeller
- Automatic piggyback float switch
- Assembly required



RL-WCS50TA



RL-WCS50TA-24

Item #	Model	HP	Amps	Gallons per Hour at 0'	Shut-Off	Discharge	Cord	Basin Diameter	Check Valve
14942749	RL-WCS50TA	1/2	9.0	5600	22'	2" FNPT	10'	18" x 30"	Plastic
14942756	RL-WCS50TA-24	1/2	11.4	5600	22'	2" NPT	10'	24" x 24"	Cast Iron



RED LION®



MULTI-PURPOSE PRODUCTS





General Specifications

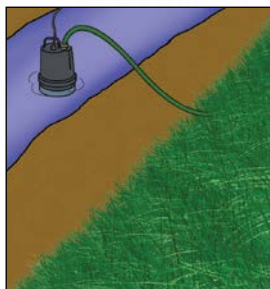
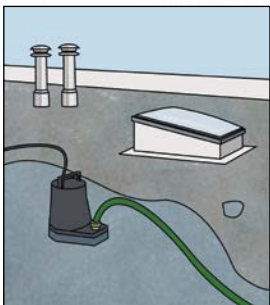
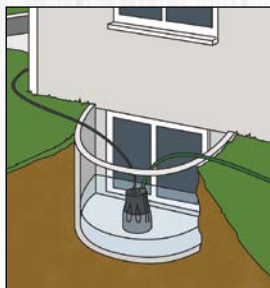
Whether selecting a submersible or non-submersible, emergency or permanent use multi-purpose pump, rest assure that your Red Lion pump is crafted to perform and last.

Typical Installations

Red Lion offers multi-purpose pumps for a complete a range of household applications. Whatever you need, Red Lion has the pump for you. Our multi-purpose pumps are ideal for:

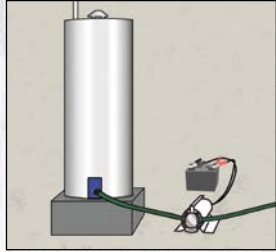
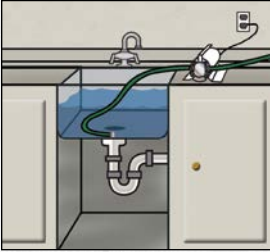
- Removing or transferring water from basements, rooftops, hot tubs, crawl spaces, and general dewatering

Models: RL-MP16, RL-MP25, RL-MP50, RL-MP25A, RL50CON



- Draining water beds, hot water tanks, appliances, aquariums, and other emergency dewatering needs

Models: MPFVK115, MPFV12, MPDP, MPTC, RL-50



- Pumping out boat bilges and stock tanks, water transfer for washing an RV or ATV

Model: MPFV12CAMO



- Boosting household water pressure for washing vehicles, sidewalks, and driveways

Model: MPTC

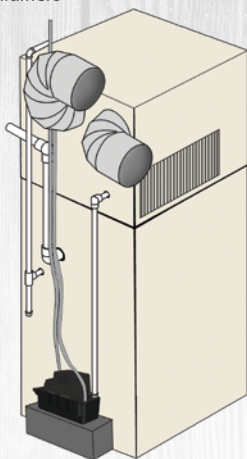




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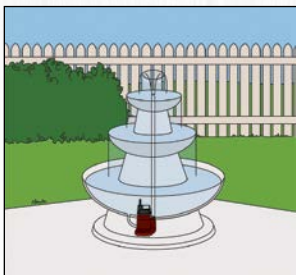
- Removing condensation build-up from air handlers, boilers, furnaces, ice makers, and dehumidifiers

Models: C15, C20ST



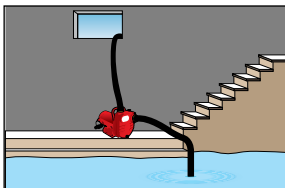
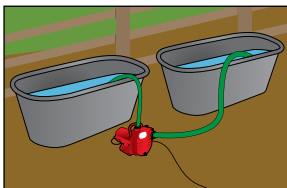
- Emptying fountains

Models: RL-160U, RL-250U, RL50CON



- Pumping out flooded basements, livestock watering, flood irrigation, and general where portability is preferred

Models: RL-50, RL50CON



Thermoplastic Utility Pumps

Ideal for general water transfer applications and household water removal in places like basements, aquariums, and window wells.

- Submersible 115 V utility pumps
- Reinforced, engineered thermoplastic construction
- Screened bottom intake design
- Pumps down to 3/16" depth
- Includes 3/4" garden hose adapter



RL-MP25

RL-MP16

RL-MP50

Item #	Model	HP	Amps	Gallons per Hour at 0'	Shut-Off	Cord	Discharge
14942731	RL-MP16	1/6	2.3	1300	25'	8'	1" MNPT
14942732	RL-MP25	1/4	3	2200	22'	8'	1-1/4" MNPT
14942721	RL-MP50	1/2	4	3000	30'	8'	1-1/2" FNPT

Aluminum Utility Pumps

Ideal for general water transfer applications and household water removal in places like basements, crawl spaces, rooftops, and window wells.

- Oil-free motor design
- Submersible 115 V utility pumps
- Corrosion-resistant aluminum casing for superior heat dissipation
- Lightweight portability
- Removes water to within 1/4" of surface
- 3/4" garden hose adapter included



Applies to RL-250U



Applies to RL-160U



Item #	Model	HP	Amps	Gallons per Hour at 0'	Shut-Off	Cord	Discharge
620109	RL-160U	1/6	2.1	1300	19'	10'	3/4" FNPT
14942734	RL-250U	1/4	3.2	1800	22'	10'	3/4" FNPT



Automatic Utility Pump

Ideal for general water transfer applications and household water removal in places like basements, crawl spaces, rooftops, and other areas where accessibility may be an issue or automatic operation is required.

- Technologically advanced switch for automatic operation
- Checks for water every three minutes
- Automatic submersible 115 V utility pump
- Thermoplastic construction
- Screened bottom intake design
- Includes 3/4" garden hose adapter

Pumps automatically when water is present



Item #	Model	HP	Amps	Gallons per Hour at 0'	Shut-Off	Cord	Discharge
14942735	RL-MP25A	1/4	2.0	2200	22'	8'	1-1/4" MNPT

Heavy-Duty Submersible Utility Pump

Construction-grade, heavy-duty submersible utility pump designed for the most demanding applications such as dewatering construction sites, ponds, and ditches.

- Rugged construction with stainless steel motor housing and suction strainer
- Special urethane rubber impeller
- High efficiency, 115 V permanent split capacitor (PSC) motor with thermal overload protection, as well as upper and lower ball bearings for extended operation
- Double-seal system (silicon carbide primary mechanical seal with a carbon ceramic secondary seal)
- 20' extended length power cord



Item #	Model	HP	Amps	Gallons per Hour at 4'	Shut-Off	Cord	Intake	Discharge
14942722	RL-50CON	1/2	5.0	3600	37'	20'	Screened Bottom	2" MNPT

Self-Priming Utility Transfer Pump

Ideal for pumping out flooded basements, livestock watering, flood irrigation, and general dewatering where portability is preferred.

- Self-priming transfer pump with built-in suction check valve
- Rugged cast iron casing
- Heavy-duty 1/2 hp 115 V motor
- Self-priming to 25'
- Power cord, carry handle, and garden hose adapter included



Item #	Model	HP	Amps	Gallons per Hour at 20'	Shut-Off	Cord	Intake	Discharge
621804	RL-50	1/2	9.0	2700	49'	8'	1-1/4"	1" FNPT

Multi-Purpose Transfer Pump

Ideal for boosting household water pressure to wash vehicles and driveways, and for use in other water transfer and removal applications.

- Non-submersible utility pump
- Heavy-duty cast iron construction
- Includes 3/4" brass garden hose adapters



Item #	Model	HP	Amps	Gallons per Hour at 0'	Shut-Off	Cord	Discharge
14942006	MPTC	1/2	9.0	1250	105'	10'	3/4" GHT



Utility Transfer Pumps (12 V DC & 115 V)

Ideal for draining hot water tanks, appliances, and aquariums, as well as water transfer applications where easy portability is required.

- Portable, non-submersible transfer pumps
- Choice of 115 V or 12 V DC models
- Stainless steel construction
- MPFVK115 includes hoses and suction attachment



MPFV12



Item #	Model	HP	Amps	Gallons per Hour at 1'	Voltage	Cord	Discharge
14942015	MPFVK115	1/10	1.7	365	115 V	6'	3/4" GHT, 3/8" FNPT
14942004	MPFV12	1/10	7.0	300	12 V DC	6' leads	3/4" GHT, 3/8" FNPT

MPFV12CAMO

Designed for the outdoor hunting, camping, and fishing enthusiast, this pump is ideal for pumping out boat bilges and stock tanks, water transfer for washing an RV or ATV, and any other applications where easy portability is required. Includes a vehicle power adapter with 6' cord for use with any car, boat, truck RV, or ATV equipped with a 15A (or greater), 12 VDC vehicle outlet.

- Non-submersible utility pump
- Stainless steel pump head and steel motor cover
- Convenient built-in carry handle
- Inlet and outlet easily connects to a garden hose
- Slip-resistant rubber feet to keep pump in place



Item #	Model	HP	Amps	Gallons per Hour at 1'	Voltage	Cord	Discharge
14942008	MPFV12CAMO	1/10	7	300	12 V	6'	3/4" FNPT



Drill Powered Transfer Pump

A cost-effective device that uses an ordinary drill to pump out water and other liquids. Ideal for changing oil in lawn mowers, boats and cars and can also be used for draining sinks, dishwashers, water heaters, and aquariums, as well as emergency pumping of shallow flooded areas.

- Multi-purpose drill pump
- Thermoplastic self-priming construction for best pump performance and extended service life
- Connects to standard drill and garden hose - makes easy work of household jobs



Item #	Model	Max. Flow (gph)
14942003	MPDP	156*



* Based on 2500 rpm drill

Condensate Removal Pumps

Ideal for use in removing condensation build-up from air handlers, boilers, and furnaces.

- Automatic operation
- High-impact ABS construction
- Removable check valve
- 15' and 20' models available



Applies to C-15



Applies to C-20ST

Item #	Model	Amps	Tubing	Gallons per Hour at 1'	Shut-Off	Cord	Discharge
14942600	C15	1.0	n/a	65	15'	6'	3/8" BARB
14942601	C20ST	1.5	20' included	80	20'	6'	3/8" BARB



Accessories/Repair Kits

Item Number	Description
599304	RL-SPDK, Sump pump discharge hose kit - 1-1/2" & 1-1/4"
14941004	MPFVRIK - replacement impeller kit for MPFVK115, MPFV12CAMO and MPFV12
14942901	SCV114 - 1-1/4" plastic sump pump check valve
640171	Tethered float switch - piggyback 10'
640172	Tethered float switch - piggyback 20'
14942904	SRVS - vertical float switch - piggyback 10'
14942914	Heavy Duty 2" x 2" Sewage Check Valve
577155	VS-P2800-RS - column pump replacement switch
640199	Replacement flapper valve for RL-S50 and RL-S75
640176	Pump up switch (reverse action switch) - piggyback 20'

Notes



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