



RED LION

WASTEWATER & MULTI-PURPOSE

PRODUCTS





RED LION®

Since 1935, Red Lion has delivered quality pumping products that help our customers move water reliably, even in the toughest conditions. Backed by a global company with expertise in the development of industry-leading water systems, our promise is to be there for our customers with pumping solutions and technical support that help them own, install and operate our equipment with confidence.

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 general dewatering applications, including performing emergency water transfer after flooding or in storm shelters. 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 sewage pump lifts flushable waste up to 2" in diameter from a sewage basin into the main sewer line. They are a necessity for homes with basement toilets or those without gravity sewage drains provided by the community. 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.

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.

When do you need a multi-purpose pump?

Utility and multi-purpose pumps are used for a range of household applications, including water removal, boosting water pressure and watering lawns.

We offer both submersible and non-submersible utility and multi-purpose pumps.



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SUMP PRODUCTS





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Two Basic Types of Sump Pumps

Pedestal Sump Pumps – The motors in pedestal pumps are not submerged under water. Their design places the motor far above the base, leaving it exposed to the elements.

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 application needs 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 the motor 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.

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

Type of Switch

We offer three types of switches on our sump pumps. All of them are efficient, effective and reliable at 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. This activates a switch that tells the pump to turn on, drain the water, and then turn off once the 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. This activates a switch that tells the pump 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. Unlike a traditional vertical float switch, debris can't hinder operation. This makes it ideal for sump and effluent applications. The switch also features a solid float that will never become waterlogged.

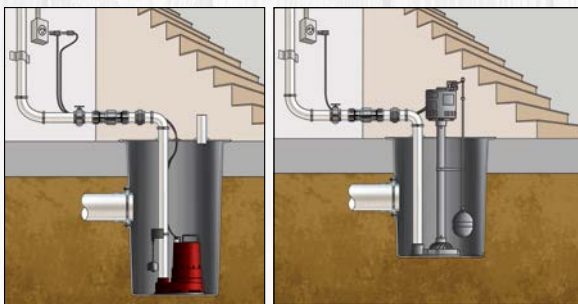


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Pump Housing

Depending on the model, Red Lion pump housings are constructed with reinforced thermoplastic, cast iron or stainless steel. While all models feature quality materials 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 feature the longest warranty.

Typical Installations



Tools needed



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
- Piggyback float switch
- Clog-resistant design (3/4" semi-solids handling)
- 1-1/2" FNPT discharge*



Item #	Model	HP	Switch	Gallons per Hour at 0'	Shut-Off	Cord	Amps	Min. 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	35'	20'	8.0	18" or more

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

Snap-Action Stainless Steel Sump Pumps

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

- Automatic submersible sump pumps
- 1-1/2" FNPT discharge
- 300 Grade stainless steel pump body
- Cast iron motor cover and pump base
- Snap-action float switch
- Removable volute for easy maintenance
- 10' power cord



Item #	Model	HP	Gallons per Hour at 5'	Shut-Off	Cord	Amps	Min. Basin Diameter
14942793	RL33CSS	1/3	3500	23'	10'	3.5	18"
14942794	RL50CSS	1/2	3900	25'	10'	4	11"
14942795	RL75CSS	3/4	4500	30'	10'	5.5	11"



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Cast Iron Sump/Effluent Pumps

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

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



Item #	Model	HP	Switch	Gallons per Hour at 0'	Shut-Off	Amps	Min. Basin Diameter
14942744	RL-SC33T	1/3	Tethered	3300	25'	4.3	18" or more
14942745	RL-SC33V	1/3	Vertical	3300	25'	4.3	15" or more
14942746	RL-SC50T	1/2	Tethered	4300	28'	5.3	18" or more
14942747	RL-SC50V	1/2	Vertical	4300	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'
- PSC motors
- Vertical float switches
- Clog-resistant design (3/8" solids handling)
- 1-1/2" FNPT discharges
- 10' power cord



RL-SC33DUP

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

Operation Mode	Gallons per Hour at 0'	Shut-Off
Single Pump	3300	25'
Dual Pump	6000	

* Friction loss in pipe not included



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
- 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)
- 1-1/2" FNPT discharge
- 10' power cord



Item #	Model	HP	Gallons per Hour at 5'	Shut-Off	Amps	Min. Basin Diameter
14942652	RL-33SC	1/3	3200	25'	5.0	11" or more
14942653	RL-50SC	1/2	4000	32'	6.5	11" or more

Pedestal Sump Pump

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

- Reliable automatic operation for use in basins 13" or greater
- Adjustable snap-action float switch
- Reinforced engineered polypropylene construction; corrosion- and rust-resistant
- Clog-resistant design
- 115 V
- 8' power cord



Item #	Model	HP	Volute	Gallons per Hour at 0'	Shut-Off	Amps	Min. Basin Diameter
14942052	RLSP33PED	1/3	Thermoplastic	3300	16'	4.0	13" or more



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Aluminum/Thermoplastic Sump Pumps

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

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

Tethered



Vertical



Item #	Model	HP	Switch	Gallons per Hour at 0'	Shut-Off	Amps	Min. Basin Diameter
14942739	RL-SP25T	1/4	Tethered	3088	25.3'	6.0	14" or more
14942740	RL-SP33T	1/3	Tethered	3137	26'	4.4	14" or more
14942741	RL-SP33V	1/3	Vertical	3137	26'	4.4	11" or more
14942742	RL-SP50T	1/2	Tethered	3523	26'	6.5	14" or more
14942743	RL-SP50V	1/2	Vertical	3523	26'	6.5	11" or more

Thermoplastic Sump Pumps

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

- Automatic submersible sump pump
- 1-1/2" FNPT discharge
- Reinforced thermoplastic construction is corrosion and rust-resistant
- Reliable automatic operation for use in basins 14" or greater
- Tethered float switch



Item #	Model	HP	Amps	Gallons per Hour at 0'	Shut-Off	Cord	Min. Basin Diameter
14942725	PW-SP25T	1/4	2.7	1900	21'		
14942726	PW-SP33T	1/3	3.5	2500	24'	8'	14" or greater
14942727	PW-SP50T	1/2	4.5	3300	26'		

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
- 1-1/2" FNPT discharge
- 8' power cord



Item #	Model	HP	Switch	Gallons per Hour at 0'	Shut-Off	Amps	Basin Size
14942736	RL-SPS33	1/3	Vertical	3137	26'	4.4	6 gallon

Battery Backup System

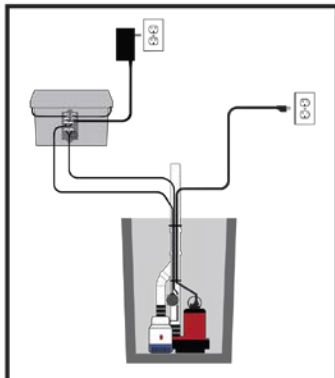
Provides emergency protection from water damage due to primary sump pump failure or power outages in residential areas such as basements and crawl spaces.

- Automatic sump pump back-up system
- 12 Volt DC/1000 mA battery charger with 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



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

Recommended Installation





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EFFLUENT/SEWAGE PRODUCTS

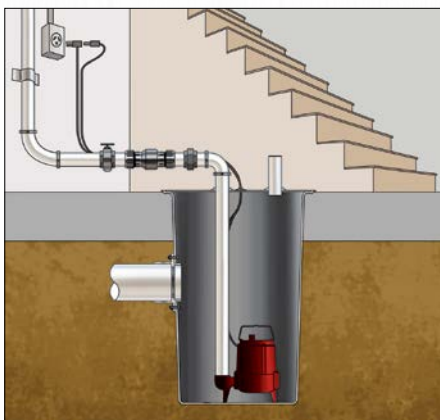


Replacing an Existing Sewage or Effluent Pump

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. If the discharge size on the pump does not match the discharge pipe, a reducer will be required.
3. If you have recently added plumbing fixtures (such as a bathroom addition), please call our Technical Service Line at 1-888-885-9254 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





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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
- 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)
- 1-1/2" FNPT discharge
- 10' power cord



Item #	Model	HP	Gallons per Hour at 5'	Shut-Off	Amps	Min. Basin Diameter
14942652	RL-33SC	1/3	3200	25'	5.0	18" or more
14942653	RL-50SC	1/2	4000	32'	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
- Piggyback float switch
- Clog-resistant design (3/4" solids handling)
- 1-1/2" FNPT discharge*



Item #	Model	HP	Switch	Gallons per Hour at 0'	Shut-Off	Cord	Amps	Min. Basin Diameter
14942781	RL-SS50T	1/2	Tethered	3450	25'	10'	5.0	18" or more
14942782	RL-SS100T	1	Tethered	5300	35'	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	RL3IEA	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
- Not suitable for pond use



Item #	Model	HP	Amps	Gallons per Hour at 20'	Shut-Off	Max Pressure
621810	RL-S50	1/2	13.78 @ 115 V 6.89 @ 230 V	2700	49'	21 PSI



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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
- Piggyback tethered float switch
- Capable of passing up to 2" diameter semi-solids



RL50WA



RL75WA



RLWC50TA



Item #	Model	HP	Amps	Gallons per Hour at 0'	Shut-Off	Cord	Min. Basin Diameter
14942663	RL50WA	1/2	9.3	7200	22'	20'	18" or more
14942664	RL75WA	3/4	11.0	8400	28'	20'	18" or more
14942748	RL-WC50TA	1/2	9.0	5600	22'	10'	18" or more



Sewage Basin Systems

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

- 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

RL-WCS50TA

- Available with 18" x 30" polyethylene basin
- Assembly required



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

* Basin dimensions are approximate and do not include the lip of the basin.

RL-WCS50TA-24

- Available with 24" x 24" polyethylene basin
- Comes assembled
- Meets gas-tight and radon-free building code requirements



RL-GTC24



RL-GTB24



RL-WCS50TA-24

Item #	Model	HP	Amps	Gallons per Hour at 0'	Shut-Off	Discharge	Cord	Basin Diameter*	Check Valve
14942756	RL-WCS50TA-24	1/2	9.0	5600	22'	2" FNPT	10'	24" x 24"	PVC
14942772	RL-GTB24 (Basin Only)	-	-	-	-	-	-	24"	-
14942773	RL-GTC24 (Cover Only)	-	-	-	-	-	-	24"	-

* Basin dimensions are approximate and do not include the lip of the basin.



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MULTI-PURPOSE PRODUCTS



General Specifications

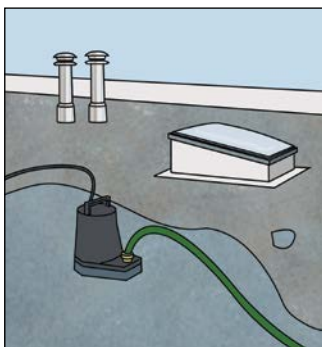
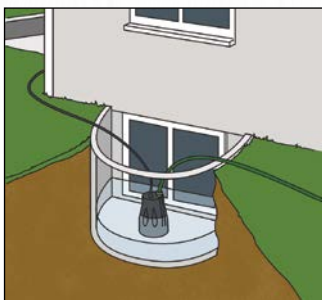
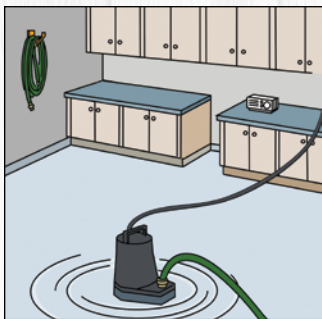
Whether you need a submersible, non-submersible, emergency or permanent use multi-purpose pump, rest assured that your Red Lion pump is crafted to perform and last.

Typical Installations

Our multi-purpose pumps are ideal for a range of household applications. Select the best pump based on your water transfer needs:

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

- Remove or transfer water from basements, rooftops, hot tubs or crawl spaces.



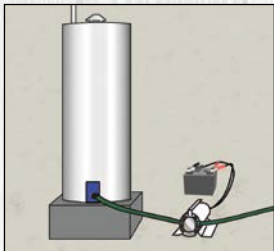


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Typical Installations

Models: RLMPFVK115, RLMPFV12, RLMPDP, RLMPTC

- Drain water beds, hot water tanks, appliances, aquariums or emergency dewatering needs



Model: RLMPFV12

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



Model: RLMPTC

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



Models: RL25U, RL-MP16, RL-MP25, RL-MP25A

- Empty fountains





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 pump
- Reinforced engineered thermoplastic construction
- Screened bottom intake design
- Pumps down to 3/16" depth
- Includes 3/4" garden hose adapter



RL-MP25



RL-MP16

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	2.5	2200	22'	8'	1-1/4" MNPT

*Utility Pump performance is measured without the garden hose adapter. Performance will be lower when using the adapter.

Aluminum Utility Pump

Ideal for general water transfer applications and household water removal in places like basements, crawl spaces, rooftops and window wells. Consider using with the RL-SPDK universal hose kit when the application requires moving water up to 24' away from the site.

- Submersible 1/4 HP, 115 volt utility pump casing for superior heat dissipation
- Lightweight portability
- Screened bottom intake removes water to within 1/4" of surface
- 3/4" garden hose discharge with 1-1/4" FNPT adapter included
- 10' power cord



Item #	Model	HP	Amps	Gallons per Hour at 0'	Shut-Off	Cord	Discharge
14942730	RL25U	1/4	2.5	1500	19'	10'	3/4" GHT 1-1/4" 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'	10'	1-1/4" MNPT



RED LION®

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, two replacement motor brushes and strainer



Item #	Model	HP	Amps	Gallons per Hour at 20'	Shut-Off	Cord	Intake & Discharge
14942016	RLMPTC	1/2	10.0	1600	145'	10'	3/4" GHT

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. 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)
14942013	RLMPDP	154*

* Based on 2500 rpm drill

* Based on 2500 rpm drill

redlionproducts.com | Technical Support: 1.888.885.9254



Drill-Powered Transfer Pump Kit

Ideal for removing oil from lawnmowers or draining water from sinks, dishwashers, water heaters, aquariums or other shallow areas.

- Multi-purpose drill pump
- Thermoplastic easy-to-prime construction for best pump performance and extended service life
- Connects to standard drill and garden hose
- Kit includes:
 - Drill pump
 - One 32" x 3/4" garden hose with FGHT brass coupling
 - One 32" x 1/4" diameter tube with 3" x 1/4" adapter



Item #	Model	Max. Flow (gph)
14942022	RLMPDP-KIT	154*



Utility Transfer Pumps

Ideal for draining hot water tanks, appliances, aquariums or boat bilges, for filling live wells, or for other water transfer applications where easy portability is required. The RLMPFV12 conveniently clips to a 12 V battery (not included) and can be used where electricity is not available. The RLMPFVK115 is a 115 V pump designed to plug into a standard wall outlet.

- Portable, non-submersible transfer pump
- Rugged metal pump head and motor cover
- Corrosion- and rust-resistant 3/4" male garden hose threading
- RLMPFV12 Includes replacement impeller kit
- RLMPFVK115 includes suction hose, strainer, suction attachment, and replacement impeller/motor brush kit



RLMPFV12



RLMPFVK115

Item #	Model	HP	Amps	Gallons per Hour at 1'	Voltage	Cord	Intake and Discharge	Shut-off
14942014	RLMPFV12	1/12	9.0	300	12 V DC	10' leads	3/4" GHT	38"
14942025	RLMPFVK115	1/12	2.3	350	115 V	10'	3/4" GHT	38"



Universal 24' Hose Kit

Sump pump discharge hose kit for use with sump pumps that have a 1-1/4" or 1-1/2" discharge. Temperature range -40°F to 110°F (-40°C to 43°C).

- 24' x 1-1/4" flexible drain tubing/hose ideal for use with sump pumps
- 1-1/4" and 1-1/2" high-impact NPT barbed adapters for easy connection to pump
- Rust-resistant steel hose clamp secures hose to adapter

Item #	Model
599304	RL-SPDK



Accessories/Repair Kits

Red Lion accessories and repair kits help you service and maintain your investment for years to come. Refer to your Owner's Manual for available products, including:

- Replacement vertical float switches
- Replacement tethered float switches
- Repair kits
- Accessories

Please visit redlionproducts.com to download your pump's specific Owner's Manual for more information.

Notes



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redlionproducts.com

1.888.885.9254