

# Ultimate Underground Hand Watering System

From the experts at Reelcraft



[reelcraft.com](http://reelcraft.com)



## Hand watering made easy with DGM System

Reelcraft's exclusive Series DGM underground hand watering system is specifically designed to make syringing golf courses easier, more efficient and economical. The DGM System is installed completely underground and enclosed in a high density polyethylene (HDPE) vault located next to the green, with only the 6" diameter cover plate visible. When hand watering is required, remove the cover and pull out the hose. Give a tug when you are finished; the hose will automatically be returned underground for storage. Return the cover and on to the next green. Hose is out-of-sight and out-of-the-way. When tapped into existing irrigation, the DGM system remains pres-

surized and ready-to-use; however, an isolation valve is recommended. Optional installation kit #600719 assists in connecting the DGM underground hand watering system to existing irrigation. Reelcraft's Series DGM underground hand watering system supplies the right amount of moisture at the right spot, at the right time.



**It's what you can't see that counts!**



### 1. Reduce Turf Damage

Reduce course wear and damage caused by driving utility carts and dragging hoses on turf.

### 2. Save Labor, Save Money

Hand watering becomes more timely, less labor-intensive. Hoses stored on a reel do not tangle and last longer.

### 3. Efficient

Improves hose logistics and hand watering provides a more even water distribution to the green.

### 4. Easy Access

Eliminate use of unsightly equipment and the need to drag hoses from green or leave hoses beside green.

### 5. Fast

Allows quickest reaction time in urgent situations such as extreme heat stress, dry conditions and possible hydraulic oil leaks.

### 6. No Interruptions

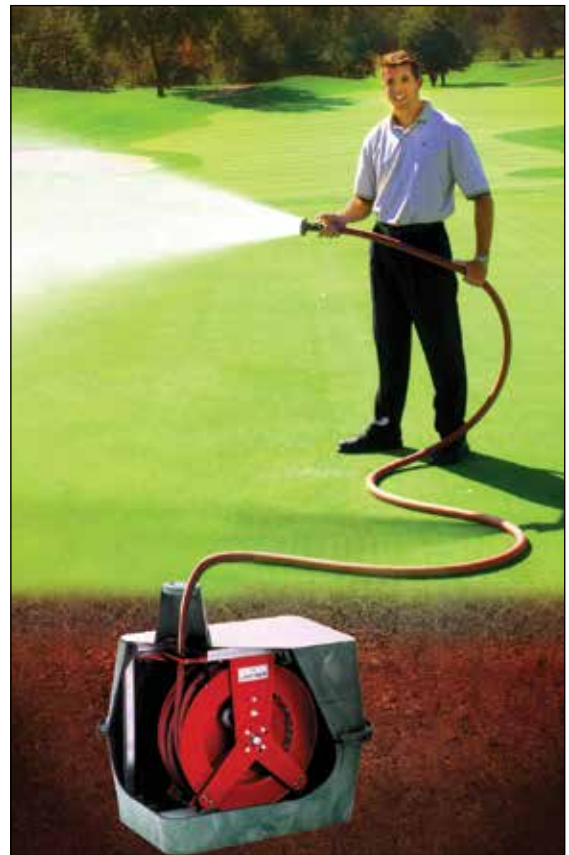
Less intrusive to golfers than sprinklers and does not interrupt play.

### 7. Trouble-Free

High quality, durable, corrosion-resistant components provide long-lasting performance.

### 8. Versatile

Irrigation system can be pressurized to act as a blower for leaves and other debris on greens.  
Note: System water must be blown out and hose must be hooked-up to a compressor.



# Series DGM System: Better By Design

## 6" Diameter Cover

Provides quick access to water hose, yet nearly out-of-sight. Hose reel and enclosure sit just 9" below grade level.

## Brass Ball Valve

Allows system to remain fully charged for quick on/off water flow.

## Bumper Stop and Roller

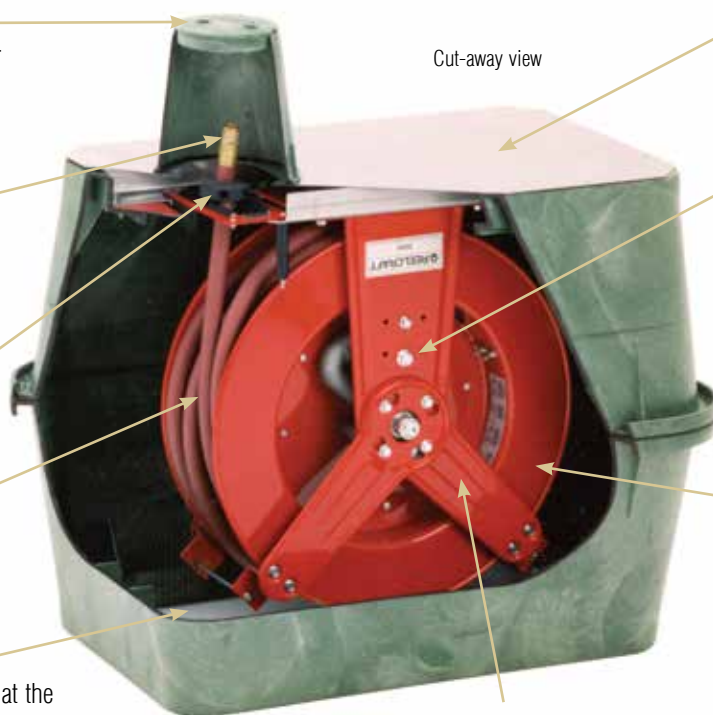
Bumper-stop maintains proper length of hose in riser.

## High Quality PVC Hose

Industrial grade PVC hose is specially blended for irrigation use.

## Drainage Opening

The housing is open at the bottom to allow for drainage.



Cut-away view

## Stainless Steel Cover

Corrosion-resistant cover allows quick and easy access to reel for maintenance.

## Ratchet Lock

A locking mechanism engages every three feet to maintain desired hose length outside unit.

## Two-Piece Reel Enclosure

Rugged, high density polyethylene housing unit provides long-lasting permanent protection.

## Corrosion-Resistant

Individual components are powder-coated, stainless steel or aluminum to handle adverse conditions. Corrosion-resistant stainless steel drive spring ensures long life.

## Anti-Jump Brackets

Anti-jump arms prevent the hose from slipping off the reel. Rollers insure smooth pulling action while guiding the hose onto the reel.



## Extracting hose



## Watering



## Retracting hose



## Models Feature:

- **Easy hose change** allows hose to be changed without disturbing the installation. Simply pull length of hose out until black steel braided hose appears, lock reel and change hose.
- **Spring retractable hose reel** and hose with 3/4" or 5/8" male hose thread, 3' x 3/4" inlet hose with 3/4" NPTF swivel fitting connection and latch ratchet.
- **Permanent high-density enclosure** is constructed of polyethylene (HDPE) with removable stainless steel cover and hose spout with locking cover.
- **Corrosion-resistant stainless steel** support rails and new stainless steel drive spring are standard on all units.

Model w/ Hose	Hose I.D. (in)	Hose Length (ft)	Hose Outlet (in)	(F)NPTF Reel Inlet (in)	Shpg. Wt. (lbs)	Dimensions L x W x H (in)
DGM 85100 OLP	5/8	100	1 (F)NPSH	3/4	159	39 1/4 x 26 1/2 x 40
DGM 83075 OLP	3/4	75	3/4 (M)GHT	3/4	159	39 1/4 x 26 1/2 x 40
DGM 84050 OLP	1	50	3/4 (M)GHT	1	159	39 1/4 x 26 1/2 x 40
600719	Optional Installation Kit					

The optional installation kit assists in connecting the DGM system to existing irrigation. Kit includes compression "T", 1 1/2" gate valve and related fittings, ball valves and quick disconnect for hose end.

## DGM Installation: Easy as 1, 2, 3



### STEP ONE: Preparation

- A. Determine suitable location (see #1 below).
- B. Remove the sod and dig hole approximately 48" x 48" x 51" deep.
- C. Place 12" of drainage stone in the hole and install a 4" drainage pipe (optional).
- D. Add and level additional drainage stone.



### STEP TWO: Installation

- A. Place reel unit in the hole and level.
- B. Connect reel to the water line.
- C. Check the system for leaks.
- D. Replace the cover and backfill hose with loam.



### STEP THREE: Operation

- A. To access the hose, remove cover and give hose a tug. The hose may be pulled to any desired length and locked in place.
- B. After use, pull or carry hose back to reel opening to avoid damaging turf. Give hose a tug to release lock and carefully feed hose back into the reel. Replace cover.

## Frequently asked questions:

### 1. Where is the best location to install?

Selection of the installation point is important to receive the maximum benefit. Select a site in close proximity to the green that reaches most, if not all, of the green. Consider drainage and access to the irrigation line.

### 2. When is a good time to install DGM?

The best time is during course construction, but you can install Series DGM anytime on an existing course.

### 3. Is it necessary to install the Series DGM underground hand watering system on every green?

No. Install DGM on your most difficult or least accessible greens, then add additional units to other greens as your budget allows. Practice greens are another good starting point.

### 4. What are the estimated cost savings?

Depending on seasonal conditions, five units should pay back in about a year. The cost of units for eighteen holes only adds a small fraction to the overall cost of a full irrigation system.

### 5. What if the unit requires service?

Simply roll back the top layer of sod. Dig down 9" to the unit's stainless steel lid. Remove the cover to access the reel. Reel can easily be serviced, removed or replaced. Hose can be changed without disturbing installation by extending the full length of hose until the black steel-reinforced hose connected to the reel appears, providing access to fittings (see photo).



For complete installation information, please refer to the DGM instruction manual.

\*Some, but not all, components shown are available in the optional installation kit.

## Portable Hose Reel and Cart



Hose reel cart package 600968

Reelcraft's cart mounted reels are easy-to-use and convenient for club house areas, maintenance areas and flower beds. Series 30000 reels are designed to fit on Reelcraft's cart or trailer. Applications include grounds maintenance, golf courses, sports turf/athletic fields and nurseries/orchards.

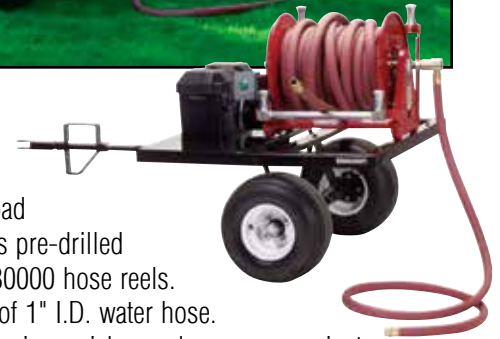


## Hose Reel and Trailer



Reel and trailer package 600910

Reelcraft's rugged, self-contained hose reel trailer easily attaches to most off-road vehicles or carts and is pre-drilled 12" or 18" for Series 30000 hose reels. Reels hold up to 100' of 1" I.D. water hose. Makes spot watering easier, quicker and more convenient.



Hose Reel and Cart Packages	
Package	Items Included
600965	12" hand crank hose reel (CA32112 L); 12" hand cart with pneumatic tires (600741-1); 10' inlet hose (600962)
600966	12" hand crank hose reel (CA32112 L); 12" hand cart with semi-pneumatic tires (600741-2); 10' inlet hose (600962)
600967	12" hand crank hose reel (CA33112 L); 12" hand cart with pneumatic tires (600741-1); 10' inlet hose (600963)
600968	18" hand crank hose reel (CB37118 L); 18" hand cart with pneumatic tires (600885-1); 10' inlet hose (S600982-10)

CA32112 L = 200' of 1/2" I.D. air or 5/8" I.D. garden hose (not included)  
 CA33112 L = 100' of 3/4" I.D. air or 5/8" I.D. garden hose (not included)

Hose Reel and Trailer Packages	
Package	Items Included
600911	Trailer (600810); 1" hand rewind hose reel (CB37118 L); 10' lead hose (S600982-10); Roller bracket, top wind (S602133-3); Roller bracket, bottom wind (S602132-3)
602072	Trailer (600810); 3/4" hand rewind hose reel (CA33118 L); 10' lead hose (S601034-10); Roller bracket, top wind (S602133-3); Roller bracket, bottom wind (S602132-3)
600910	Trailer (600810); 1" - 12 V DC motor driven hose reel (EB37118 L12D); Switch, complete (S600808); Battery box, battery not included (S600812); Chain guard (S600518); Roller bracket, top wind (S602133-3); Roller bracket, bottom wind (S602132-3); 10' lead hose with 1" I.D. (S600982-10)
602071	Trailer (600810); 3/4" - 12 V DC motor driven hose reel (EA33118 L12D); Switch, complete (S600808); Battery box, battery not included (S600812); Chain guard (S600518); Roller bracket, top wind (S602133-3); Roller bracket, bottom wind (S602132-3); 10' lead hose with 1" I.D. (S601034-10)

## Series 30000 Reels

The Series 30000 hose reel is ideal for mounting on a golf cart or on Reelcraft's rugged trailer. Designed for grounds maintenance applications requiring up to 3/4" I.D. x 150' or 1" I.D. x 100' of hose, both hand crank and motor-driven models offer trouble-free performance and long product life.



Motor driven reel  
EA33118 L12D



Model without Hose	Type	Hose I.D.		Hose O.D.		Hose Length		(F)NPTF Reel Outlet	(F)NPTF Reel Inlet	Pressure		Shipping Wt.	
		in	mm	in	mm	ft	m	in	in	psi	bar	lbs	kg
CB37118 L	Hand crank	1	25	1.375	35	100	30	1	1	300	21	52	24
EB37118 L12D	Motor driven	1	25	1.375	35	100	30	1	1	300	21	70	32
CA33118 L	Hand crank	3/4	19	1.075	27	175	53	3/4	3/4	300	21	51	23
EA33118 L12D	Motor driven	3/4	19	1.075	27	175	53	3/4	3/4	300	21	68	31
600810	Trailer only - does not include reel or hose. Above reels fit trailer dimensions. Trailer weight 154 lbs/ 70 kg.												

## General Industrial Spring Retractable Reels

### Series RT

Reelcraft's Series RT is a new hybrid, lighter, spring-driven hose reel with a composite spool designed for applications that are less demanding, yet require a product that can withstand industrial use.

Model with Hose	Hose I.D.		Hose O.D.		Hose Length		(M)NPTF Hose Outlet	(F)NPTF Reel Inlet	Pressure		Shipping Wt.	
	in	mm	in	mm	ft	m	in	in	psi	bar	lbs	kg
RT450-OLP	1/4	6	.475	12	50	15	1/4	3/8	300	21	24	11
RT635-OLP	3/8	10	.600	15	35	11	1/4	3/8	300	21	21	10
RT650-OLP	3/8	10	.600	15	50	15	1/4	1/2	300	21	27	12



**Series RT**  
RT650-OLP



## Premium Duty Spring Retractable Reels

### Series 4000 & 5005

Series 4000 and 5005 reels are durable and compact for a wide range of applications with critical space requirements. A full flow shaft and swivel assures maximum product delivery.

Model with Hose	Hose I.D.		Hose O.D.		Hose Length		(M)NPTF Hose Outlet	(F)NPTF Reel Inlet	Pressure		Shipping Wt.	
	in	mm	in	mm	ft	m	in	in	psi	bar	lbs	kg
4625 OLP	3/8	10	.600	15	25	8	1/4	3/8	300	21	20	9
5650 OLP	3/8	10	.600	15	50	15	1/4	3/8	300	21	36	16
A5850 OLP	1/2	13	.750	19	50	15	1/2	3/8	300	21	41	19



**Series 4000**  
4625 OLP



**Series 5005**  
5650 OLP

## Heavy Duty Industrial Spring Retractable Reels

### Series 7000

The base and guide arms of the Series 7000 are formed from high-grade steel and engineered with structural forms and gussets to yield the greatest amount of strength. The Series 7000 incorporates all steel construction and a baked-on powder coat finish to produce a rugged corrosion resistant product.

Model with Hose	Hose I.D.		Hose O.D.		Hose Length		(M)NPTF Hose Outlet	(F)NPTF Reel Inlet	Pressure		Shipping Wt.	
	in	mm	in	mm	ft	m	in	in	psi	bar	lbs	kg
7670 OLP	3/8	10	.600	15	70	22	1/4	1/2	300	21	47	21
7850 OLPSW57	1/2	13	.750	19	50	15	3/4 NH	1/2	300	21	47	21
GC7535 OLP	5/8	16	.970	25	35	11	3/4 NH	3/4 NH	150	10	55	25
GC7925 OLP	3/4	19	1.075	27	25	8	3/4 NH	3/4 NH	300	21	53	24

\*GC7000 models come complete with lead hose and shut off valve.



**Series 7000**  
GC7925 OLP



**Series 7000**  
7850 OLPSW57

## Dual Pedestal Spring Retractable Reels

### Series GC80000

The Series 80000 incorporates a dual pedestal base and guide arm design that is structurally reinforced. An all-steel construction and baked-on powder coat finish combine to produce a rugged corrosion resistant product.

Model with Hose	Hose I.D.		Hose O.D.		Hose Length		(M)NPTF Hose Outlet	(F)NPTF Reel Inlet	Pressure		Shipping Wt.	
	in	mm	in	mm	ft	m	in	in	psi	bar	lbs	kg
GCD83075 OLP	3/4	19	1.075	27	75	23	3/4	3/4	250	17	112	51
GC85100 OLP	5/8	16	.970	25	100	30	5/8	3/4	250	17	110	50
GC84050 OLP	1	25	1.375	35	50	15	1	1	250	17	110	50

\*GC80000 models come complete with lead hose and shut off valve.



**Series GC80000**  
GC83075 OLP

## Spring Retractable Composite Reels

### Series S

The S Series is economical, lightweight and easy to handle. This reel is made of corrosion proof, tough polypropylene and extensive tests have shown it to be highly resistant to the vast majority of acids, alkalis and UV Rays.



**Series S**  
SWA3850 OLP

Model with Hose	Hose I.D.		Hose O.D.		Hose Length		(M)NPTF Hose Outlet	(F)NPTF Reel Inlet	Pressure		Shipping Wt.	
	in	mm	in	mm	ft	m	in	in	psi	bar	lbs	kg
SGA3665 OLP**	3/8	10	.621	16	65	20	3/8	3/8	232	16	25	11
SWA3850 OLP*	1/2	13	.750	19	50	15	3/4 NH	1/2	125	9	23	10

\*Water reel with garden style hose end \*\*Air or water hose reel

## Hand Crank & Motor Driven Air/Water Reels

### Series 30000

Reelcraft's Series 30000 reels are designed for rugged, heavy duty applications requiring long lengths of hose and large storage capacity. A full flow swivel and heavy gauge steel frame, spool and drum ensure longest service life.



**Motor Driven**  
GCEA33118 L12D

Model without Hose	Hose I.D.		Hose O.D.		Hose Length		(F)NPTF Reel Outlet	(F)NPTF Reel Inlet	Pressure		Shipping Wt.	
	in	mm	in	mm	ft	m	in	in	psi	bar	lbs	kg
<b>Heavy Duty Hand Crank Hose Reels</b>												
GCCA33112 L	3/4	19	1.075	27	100	30	3/4	3/4	1000	69	46	21
GCCA33118 L	3/4	19	1.075	27	175	53	3/4	3/4	1000	69	51	23
GCCB37118 L	1	25	1.375	35	100	30	1	1	300	21	54	24
<b>Heavy Duty Motor Driven Hose Reels</b>												
GCEA32112 L12D	1/2	13	.750	19	200	61	1/2	1/2	1000	69	81	37
GCEA33118 L12D	3/4	19	1.075	27	175	53	3/4	3/4	1000	69	82	37
GCEB37118 L12D	1	25	1.188	30	100	30	1	1	300	21	85	39

Series GC hand crank reels include connecting hose and GH fitting. Series GC motor driven reels include hose roller guide, operating switch (#600808), chain guard, connecting hose and GH fitting.

## Spring Retractable Power Cord Reels

### Series L4000

Series 4000 power cord reels offer many different styles of outlets. Easy to mount and structurally strong, the power cord reels have robotically welded heavy gauge steel frame that attaches to most structurally sound surfaces.



**Series L4000**  
L 4545 123 3



**Series L4000**  
L 4545 123 9G

Model with Cord	Accessory	Cord Specifications				Volts	Amps	Shipping Wt.		
		ft	m	AWG	mm			# Cond	lbs	kg
L 4545 123 3	Single Receptacle	45	14	12	3.32	3	125	15	27	12
L 4545 123 9G	Triple Tap w/GFCI(F)	45	14	12	3.32	3	125	15	29	13

## Spring Retractable Welding Reels

### Series TW

Series TW has an independent dual swivel body manufactured from aluminum and hard coated for wear resistance. This unique design assures positive separation of gases. Double-sealed, special molded "O" rings prevent leakage.



**Series TW**  
TW5425 OLPT



**Series TW**  
TW7450 OLPT

Model with Hose	Hose I.D.		Hose O.D.		Hose Length		Hose Outlet	Reel Inlet	Pressure		Shipping Wt.	
	in	mm	in	mm	ft	m	in	in	psi	bar	lbs	kg
TW5425 OLPT	1/4	6	.530	13	25	8	9/16 - 18(F)	1/4 NPT(F)	200	14	26	12
TW7450 OLPT	1/4	6	.530	13	50	15	9/16 - 18(F)	1/4 NPT(F)	200	14	50	23

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